

Acknowledgments

This Report benefited greatly from ideas, technical inputs, and critical review from a broad range of individuals and organizations. Contributions to specific chapters are acknowledged in the Bibliographical note. In addition, valuable input was provided through four other mechanisms: a World Health Organization Steering Committee, an Advisory Committee, a series of consultations on specific subjects, and a series of seminars, mostly held at the World Bank. Those from outside the World Bank who contributed to the Report through these mechanisms are listed below.

World Health Organization Steering Committee

This committee provided the focal point for the major contributions from WHO to the *World Development Report*, for WHO's participation in consultations, and for its critical review of various drafts.

Chair: Jean-Paul Jardel

Members: Andrew L. Creese, Michel Jancloes, Yuji Kawaguchi, R. Srinivasan, and Muthu Subramanian

Advisory Committee

The Advisory Committee met on October 7-9, 1992, at the World Bank in Washington, D.C.; in addition, committee members later provided critical review of an early draft of the Report.

Chair: Richard G. A. Feachem

Members: Jane C. Baltazar, José Barzellato, Mayra Buvinić, Lincoln C. Chen, Antoine Degrémont, Nicholas Eberstadt, John Evans, Mahbub ul Haq, Peter Heller, Abraham Horwitz, Jean-Paul Jardel, Richard Jolly, Somkid Kaewsonthi, Pangu Kasa-Asila,

Adolfo Martínez-Palomo, David N. Nabarro, Gen Ohi, Richard Peto, Kenneth I. Shine, Pravin Visaria, and Richard Zeckhauser

Consultations

1. Ministerial Review of Health Transition Issues

June 22–26, 1992, Bellagio Study and Conference Center, Villa Serbelloni, Bellagio, Italy. Partial financial support for the consultation was provided by the Rockefeller Foundation.

Participants: Alfredo R. A. Bengzon, Demissie Habte (provided written comments), Richard G. A. Feachem, Julio Frenk, Mamdouh Gabr, Scott Halstead, Jean-Paul Jardel, Jorge Jiménez de la Jara, Jeffrey R. Koplan, Marthini K. Budi Salyo, Adolfo Martínez-Palomo, Piotr Mierzewski, Rajiv L. Misra, W. Henry Mosley, Samuel Ofosu-Amaah, Raphael Owor, Olikoye Ransome-Kuti, and Leonardo Santos Simão

2. Interventions for Nervous System Disorders

July 6-7, 1992, Pan American Health Organization, Washington, D.C.

Chair: Benedetto Saraceno

Participants: Antonio Campino, Vijay Chandra, Brian Cooper, Bulent Coskun, Marcelo E. Cruz, Mary Jane England, John T. Farrar, Jefferson Fernandes, R. Juan Ramon de la Fuente, Walter Gulbinat, Itzhak Levav, Thomas McGuire, Kay Redfield Jamison, Norman Sartorius, Carole Siegel, Donald H. Silverberg, T. Takayanagi, and Richard Jed Wyatt

3. International Aid Flows to the Health Sector

August 27, 1992, Harvard Center for Population and Development Studies, Cambridge, Massachusetts

Chair: David Bell

Participants: Lincoln C. Chen, Nick Drager, Ramesh Govindaraj, Eva Jespersen, Catherine Michaud, Christopher J. L. Murray, and David Parker

4. Investing in Health Research

September 16, 1992, World Health Organization, Geneva, Switzerland. Financial support was provided by the WHO/UNDP/World Bank Special Programme for Research and Training in Tropical Diseases.

Chair: Carlos Morel

Participants: Eusebe Alihouno, Barry R. Bloom, David J. Bradley, Barbro Carlsson, Gelia T. Castillo, Jacqueline Cattani, Anthony Cerami, Joseph A. Cook, Henry Danielsson, Ronald W. Davis, Peter de Raadt, David Evans, Esmat Ezzat, Tore Godal, Melba Gomes, E. Robert Greenberg, Win E. Gutteridge, Ralph H. Henderson, H. Robert Horvitz, Nathan K. Kere, Veronique Lawson, David N. Nabarro, Richard Peto, Vulimiri Ramalingaswami, Peter Reeve, Hans Remme, Lateef Akinola Salako, Ebrahim M. Samba, Vladimir Petrovich Sergiev, Carol Vlassoff, Gabisiu A. Williams, and Richard Wilson

5. Resource Flows to the Health Sector

September 21, 1992, Harvard Center for Population and Development Studies, Cambridge, Massachusetts

Chair: William Hsiao

Participants: Sudhir Anand, Peter Berman, Mirnal Dutta Choudray, Gnanaraj Chellaraj, Lincoln C. Chen, Michel Cichon, Andrew Creese, Ramesh Govindaraj, Catherine Michaud, Christopher J. L. Murray, Sudhakar Rao, and George Scheiber

6. AIDS Policy

November 5-6, 1992, Rockefeller Foundation, New York. Financial support was provided by the Rockefeller Foundation and the Danish International Development Agency.

Chair: Robert S. Lawrence

Participants: Roy Anderson, José Barzellato, Seth Berkley, Robert Black, Kevin De Cock, Richard G. A. Feachem, Penelope Hitchcock, King Holmes, Robert E. Howells, Jane Hughes, Peter Lamptey, Jonathan Mann, Michael Merson, Daan Mulder, Peter Piot, Peer Sieben, Werasit Sittirai, Judith Wasserheit, Fernando Zacharias, and Richard Zeckhauser

7. Urban Health

November 9–11, 1992, Basel, Switzerland. Financial support was provided by Swiss Development Cooperation and the Swiss Tropical Institute.

Co-chairs: Marcel Tanner and Trudy Harpham

Participants: Antoine Degrémont, Maria Elena Ducci, Lilia Durán Gonzales, Paul Garner, Greg Goldstein, Emile Jeannée, Matthias Kerker, Peter Kilima, Nicolaus Lorenz, Ngudup Paljor, Voahangy Ramahatafandry, Allessandro Rossi-Espagnet, John Seager, Gustavo A. Torres, and Charles Yesudian

8. Human Resources for Health

November 18-19, 1992, McMaster University, Hamilton, Ontario, Canada. Financial support was provided by the Canadian International Development Agency.

Co-chairs: Julio Frenk and Victor Neufeld

Participants: Orvill Adams, Barbara Carpio, Gilles Dussauld, John Evans, Alfonso Mejía, Hiroshi Nakatani, Kenneth Ojo, Una Reid, Charas Suwanwela, and Peter Tugwell

9. Health of the Elderly

November 23–24, 1992, Voksenasen, Norway. The consultation was organized by the London School of Hygiene and Tropical Medicine. Financial support was provided by the Norwegian Ministry of Foreign Affairs.

Chair: Alex Kalache

Participants: Jordi Alonso, Nana Apt, Chris Beer, Felix Bermejo, Ruth Bonita, Carol Brayne, Paul Chen, Yolande Coombes, Xianglin Du, Denise Eldemire, J. Grimley Evans, Richard G. A. Feachem, Joe Hampson, Hana Hermanova, Benedicte Ingstad, Zhang Kaiti, Roberto Kaplan, Luis Ramos, Melba Sánchez-Ayéndez, Bela Shah, Alberto Spagnoli, Knight Steel, and Renato Veras

10. District Health Services

November 24–27, 1992, Institute of Health and Development, University of Dakar, Senegal. Financial support was provided by Swiss Development Cooperation and the Swiss Tropical Institute.

Co-chairs: Antoine Degrémont and Ibrahima Wone

Participants: Abdel Wahed Abassi, Waya Amoula, Anarfi Asamoa-Baah, Hubert Balique, Wolfgang Bichmann, Malang Coly, Christian Darras, Pierre Daveloose, Annemarie Demazy, Issakha Diallo, Isseu Diop-Touré, Gina Etheridge, Georges Fournier, Lucy Gilson, Kathia Janovsky, Emile Jeannée, Pangu Kasa-Asila, Matthias Kerker, Vincent Litt, Mandiaye Loum, Javier Martínez, Sigrun Mogedal, Maty Cissé Samb Ndao, Sène Touré Ngoné, Cornelius Oepen, Bakary Sambou, Lamine Cissé Sarr, Malick Sarr, Peter Schubarth, Michael Singleton, Thierno Mame Aby Sy, Al Hadji Ali Tahirou, James Tumwine, Jean-Pierre Unger, Adamou Yada, and Alfredo Zurita

11. Child Health

November 30-December 2, 1992, Baltimore, Maryland. The consultation was organized by the Johns Hopkins School of Hygiene and Public Health. Financial support was provided by the U.S. Agency for International Development.

Chair: W. Henry Mosley

Participants: Fernando Barros, Al Bartlett, Mark Belsey, Seth Berkley, Robert E. Black, David Boyd, Donald A. P. Bundy, Carlos C. Campbell, Dennis Carroll, Robert Clay, Felicity Cutts, Steve Esrey, Ronald Gray, Jerry Gibson, Bill Hausdorf, Jim Heiby, Donald A. Henderson, Terrel Hill, Sandra L. Huffman, Jessica Jitta, Pamela Johnson, Charlotte Neuman, Alok Perti, Phyllis Piotrow, Kenneth F. Schulz, Jim Shepperd, William A. Smith, Sally Stansfield, Hope Sukin, Nebiat Tafari, Taha el Tahir Taha, Carl E. Taylor, James L. Tulloch, Roxann Van Dusen, Caby C. Verzosa, Kenneth S. Warren, and Vivian Wong

12. Women and Health

December 7–9, 1992, Cumberland Lodge, Windsor, England. The consultation was organized by the London School of Hygiene and Tropical Medicine. Financial support was provided by the U.K. Overseas Development Administration.

Organizers: Oona Campbell, Wendy Graham, and Veronique Filippi

Participants: Uche Amazigo, Carmen Barroso, Loretta Brabin, Mayra Buvinic, Mirai Chatterjee, Ann Coles, Richard G. A. Feachem, Zuzana Feachem, Aleya El Bindari Hammad, Sioban Harlow, Gillian Holmes, Susan Joekes, Marjorie Koblinsky, Joanne Leslie, Claudia García Moreno, Jacky Mundy, Cynthia Myntti, David N. Nabarro, Phoebe Roome, Kasturi Sen, Jacqueline Sherris, Godfrey Walker, and Judith Wasserheit

13. Global Burden of Disease

December 10-11, 1992, World Health Organization, Geneva, Switzerland. The consultation was organized by the World Health Organization. Financial support was provided by the Edna McConnell Clark Foundation.

Chair: Jean-Paul Jardel

Participants: Carla Abou-Zahr, David Barmes, Monika Blössner, Luis López Bravo, Anthony Burton, Yankum Dadzie, Richard G. A. Feachem, Jacques Ferlay, Tore Godal, Ann Goerdt, Sandra Gove, Walter Gulbinat, Habib Rachmat Hapsara, Joachim Hempel, Mark Kane, Hilary King, Jeffrey R. Koplan, Jacob Kumaresan, Marie-Hélène Leclerq, Alan Lopez, Ingrid Martin, Alvaro Moncayo, Christopher J. L. Murray, Jenny Pronczuk, Jean-Marie Robine, Claude

Romer, Elizabeth Sherwin, Peter Smith, Jan Stjernswärd, Rand Stoneburner, Muthu Subramanian, Carole Torel, and Godfrey Walker

14. Health Finance

Décember 14-16, 1992, Montebello, Quebec, Canada. Financial support was provided by the Canadian International Development Agency.

Chair: Stephen Simon

Participants: Nicholas Barr, David Bell, Ricardo Bitran, Åke Blomqvist, Joseph Brunet-Jailly, Claude Castonguay, Andrew L. Creese, Robert G. Evans, Claude Forget, William Hsiao, Naoki Ikegami, Daniel M. Le Touzé, Mario Taguiwalo, Abdelmajid Tibouti, Bokar Touré, and Katarzyna Tymowska

15. Review of WDR Findings

January 26, 1993, Institute of Medicine, Washington, D.C.

Chair: William H. Foege

Participants: Abdelmonem A. Afifi (provided written comments), Carolyn Asbury, David E. Bell, Richard Bissell, Barry R. Bloom, Margaret Catley-Carlson, J. Jarrett Clinton, Joseph A. Cook, Richard G. A. Feachem, Harvey V. Fineberg, Julio Frenk, Susan Gibb, Polly F. Harrison, Donald A. Henderson, Jeffrey R. Koplan, Adetokunbo O. Lucas, Christopher J. L. Murray, June E. Osborn, Adeline Wynante Patterson, David P. Rall, Frederick C. Robbins, Timothy Rothermel, Kenneth I. Shine, Alfred Sommer, Roxann Van Dusen, Noel S. Weiss, Barbara L. Wolfe, and James Wyngaarden

16. Environment and Health

February 4–5, 1993, World Bank, Washington, D.C. Financial support was provided by the Environmental Health Division, World Health Organization.

Chair: Wilfried Kreisel

Participants: Hendrik De Koning, Devra Lee Davis, Richard G. A. Feachem, Jacobo Finkelman, Gregory Goldstein, Tord Kjellstrom, Anthony J. McMichael, Horst Otterstetter, David P. Rall (provided written comments), and Kirk Smith

17. Improving the Effectiveness of International Assistance to Health

February 9–10, 1993, World Bank European Office, Paris, France. Partial financial support was provided by the Danish International Development Agency.

Chair: Anthony R. Measham

Participants: Marja Antilla, Lynn Bailey, José Barzellato, Alfredo R. A. Bengzon, Luciano Carrino, Genevieve Chedville-Murray, Zafrullah Chowdhury,

Immita Cornaz, Göran Dahlgren, François Decaillet, Nicolas de Riviere, Tore Godal, Klaus Gordel, Armelle George-Guiton, Jacques Hallak, Kyo Hanada, Anne Kristin Hermansen, Gillian Holmes, Jean-Paul Jardel, Eva Jespersen, Jorge Jiménez de la Jara, Matthias Kerker, Robert Kestell, Irene Klinger, Rolf Korte, Louise Lassonde, Jean-Marie Laure, Robert S. Lawrence, Rune Andreas Lea, Dominique Maroger, Catherine Michaud, Rajiv L. Misra, Bernard Montaville, W. Muchenje, David N. Nabarro, François Orivel, Tom Ortiz, Aagje Papineau Salm, Liu Peilong, Ines Perin, Martin Pinero, Peter Poore, Vulimiri Ramalingaswami, Olikoye Ransome-Kuti, Brett Ridgeway, Jon Rohde, Yolanda Richardson, Kenneth Ross, Timothy Rothermel, Philippa Saunders, Christopher Shaw, Leonardo Santos Simão, Stephen Simon, Margareta Sköld, Guillermo Soberon, Birgit Storgaard, Muthu Subramanian, Carl Wahren, Ronald Wilson, Robert Wrin, Carlos Yanez-Barneuvo, and Pat Youri

18. Violence against Women

February 12, 1993, Washington, D.C. This follow-up consultation to that on Interventions for Nervous Systems Disorders focused on the health outcomes of violence against women for the global burden of disease exercise.

Chair: Helen Saxenian

Participants: Jacqueline Campbell, Walter Gulbinat, Lori Heise, Dean Kilpatrick, and Christopher J. L. Murray

19. Review of the Global Burden of Disease

March 15, 1993, Centers for Disease Control and Prevention, Atlanta, Georgia

Chair: Jeffrey R. Koplan

Participants: Ruth L. Berkelman, Ruth A. Etzel, Françoise F. Hamers, Jeffrey R. Harris, Nancy C. Lee, Alan Lopez, Christopher J. L. Murray, Mark L. Rosenberg, Richard B. Rothenberg, Frank M. Vinicor, and Ray Yip

Seminars

An important source of ideas for this Report was a series of seminars. Most were held at the World Bank and were cosponsored by the World Bank's Population, Health, and Nutrition Department. The Harvard Center for Population and Development Studies held a series of five seminars to assist in developing World Development Report themes; these were organized by Lincoln C. Chen and Julio Frenk. The George Washington University Center for International Health held a seminar, organized by Rosalía Rodrigues-García, to critically review the findings of the World Development Report.

The World Bank series included presentations by Henry Aaron, John Akin, Kenneth Arrow, Amie Batson, Jere Behrman, David Bloom, Michael Cichon, Andrew Creese, Anil Deolalikar, Avi Dor and Janet Hunt-McCool, Alain Enthoven, Michelle Fryer, Paul Gertler, Eric Hanushek, Estelle James, Lawrence J. Lau, Beryl Levinger, Joseph Newhouse, Abdel Omran, Joel Nobel, François Orivel, Charles Phelps, Samuel Preston, Barry Popkin, Uwe Reinhardt, George Scheiber, T. Paul Schultz, Donald Shepard, John Strauss, Duncan Thomas, Carol Vlassoff, and Beverly Winikoff.



Bibliographical note

The Report has drawn on a wide range of World Bank reports and advice and on numerous outside sources. Special thanks go to the World Health Organization (WHO) for providing extensive expert advice, technical materials, and helpful comments.

The principal sources are noted below and are also listed alphabetically by author or organization in two groups: background papers commissioned for this Report and a selected bibliography.

In addition to the sources listed, many people both inside and outside the World Bank helped with the Report. In particular, helpful comments were received from World Bank staff and consultants, including Alexandre Abrantes, Masood Ahmed, Michael Azefor, Howard Barnum, Alan Berg, Eduard Bos, Patricia Daly, Willy De Geyndt, Janet de Merode, Jean-Jacques de St. Antoine, Dennis de Tray, Alfred Duda, Graham Dukes, Oscar Echeverri, A. Edward Elmendorf, James Green, Charles Griffin, Ann Hamilton, Jeffrey Hammer, Barbara Herz, Janet Hohnen, Ishrat Z. Husain, Estelle James, Emmanuel Jimenez, Elizabeth King, Timothy King, Mubina Kirmani, Kathie Krumm, Joseph Kutzin, Jean-Louis Lamboray, Kye Woo Lee, Danny M. Leipziger, Maureen Lewis, Samuel Lieberman, Bernhart Liese, James Listorti, Marlaine Lockheed, Jack Maas, Jo Martins, Judith McGuire, Mohan Munasinghe, Rieko Niimi, Mead Over, Lisa Pachter, Ok Pannenborg, David Peters, Ian Porter, Juan Prawda, George Psacharopoulos, Sandra Rosenhouse, Anna Sant'Anna, Miguel Schloss, Julian Schweitzer, Iona Sebastian, Paul Shaw, James Socknat, Lyn Squire, Andrew Steer, Susan Stout, Vinod Thomas, Erik Thulstrup, Anne Tinker, Vincent Turbat, Jagadish Upadhyay, Denise Vaillancourt, Armand Van Nimmen, Herman van der Tak, Dominique van de Walle, Claudia Von Monbart, Marie-Odile Waty, Kin Bing Wu, Guillermo Yepes, Mary E. Ming Young, and Shahid Yusuf.

Those outside the World Bank who contributed substantially with comments and material include Aloysio Achutti, Universidade Federal do Rio Grande do Sul, who assisted with the preparation of Figure 3; A. A. Afifi, University of California, Los Angeles; Jere Behrman, University of Pennsylvania; Marit Berggrav, Einar Heldal, Rune Andreas Lea, Johanne Sundby, and Ann-Karin Valle, Norwegian Agency for International Development (NORAD); Barry Bloom, Albert Einstein College of Medicine; Robert H. Cassen, International Development Centre, Oxford University; Immita Cornaz, Swiss Development Cooperation; Göran Dahlgren, Swedish International Development Authority (SIDA); Joe H. Davis, Centers for Disease Control and Prevention; Antoine Degrémont, Swiss Tropical Institute; David Fraser, Aga Khan Institute; Lucy Gilson, London School of Hygiene and Tropical Medicine; Ted Greiner, Uppsala University; Davidson Gwatkin, International Health Policy Program; David J. Halliday, UNICEF; Gillian Holmes and David Nabarro, U.K. Overseas Development Administration (ODA); William C. Hsiao, Harvard School of Public Health; Valerie Hull, Australian International Development Assistance (AIDAB); Pamela Johnson, Richard Seifman, and Robert Wrin, U.S. Agency for International Development (USAID); Joanne Leslie, UCLA School of Public Health; Adetokunbo O. Lucas, Harvard University; A. J. McMichael, University of Adelaide; Peter Poore, John Seaman, and David Woodward, Save the Children (U.K.); Barry Popkin, University of North Carolina; Vulimiri Ramalingaswami, Task Force on Health Research for Development; Patricia L. Rosenfield, Carnegie Corporation; Timothy S. Rothermel, United Nations Development Programme (UNDP); A. Papineau Salm, Ministry of Foreign Affairs, Netherlands; Philippa Saunders, OXFAM; Alfred Sommer and Carl Taylor, Johns Hopkins School of Hygiene

and Public Health; Birgit Storgaard, Ministry of Foreign Affairs, Denmark; Noel S. Weiss, University of Washington; and Hans Emblad, Tore Godal, Marcus Grant, Fritz Kaferstein, Wilfried Kreisel, Alan D. Lopez, and James C. Tulloch, WHO.

Chapter 1

This chapter draws on technical materials from the World Health Organization and the World Bank and on the scientific literature. The smallpox story is adapted from Fenner and others 1988. The discussion of the gains in worker productivity from better health draws on studies by Castro and Mokate 1988, Conly 1975, Max and Shepard 1989, Nur and Mahran 1988, Pitt, Rosenzweig, and Hassan 1990, Sagan and Afifi 1979, Schultz and Tansel 1993, and Hill and others, background paper, as well as on helpful materials provided by John Caldwell, Gavin Jones, and John Anarfi. Anil Deolalikar provided additional material on the economic impact of improved nutrition in India, and John Akin made available unpublished notes on the relationship between health and income. The cost-benefit calculations of malaria eradication in Sri Lanka are derived from Barlow and Grobar 1985. Aehyung Kim and Bruce Benton contributed to Box 1.1.

The discussion of the education benefits of improved health and the related economic benefits of improved education is based on studies by Behrman and others 1991, Boissiere, Knight, and Sabot 1985, Glewwe 1991, Gomes-Neto and Hanushek 1991, Jamison and Leslie 1990, Jamison and Moock 1984, Nokes and others 1992, and Psacharopoulos 1993.

The section on reduced costs of medical care draws on studies by Ainsworth and Over 1992, notes by David Bloom and Ajay Mahal on the implications of reducing the rate of HIV transmission among seropositive individuals (with additional personal communication from the authors) and Musgrove 1988. Martha Ainsworth and Mead Over drafted Box 1.2. Bloom and Lyons 1993 provide analyses pointing to the economic gains associated with AIDS prevention in a number of Asian countries.

The discussion of the impact of health investments on poverty draws on the work of Henry Mosley and on World Bank 1980 and 1990a. The record of success draws heavily on statistical publications of the United Nations (*Demographic Yearbook*, various years) and the World Health Organization (*Statistics Annual*, various years). Ingram 1992 discusses the greater convergence of social (including health) indicators than of income across countries.

Child mortality estimates are derived in part from United Nations 1988 but were mostly calculated from data in United Nations 1992 as part of a joint World

Bank-UNICEF exercise to be used in UNICEF forthcoming and described in Hill and Yazbeck, background paper. Eduard Bos and My Vu of the World Bank's Population, Health and Nutrition Department provided invaluable assistance and advice with the base regional population projections underlying much of Chapter 1 and Appendix A. Mortality assumptions were updated and revised in the light of discussions with Larry Heligman of the United Nations Population Division, Gareth Jones of UNICEF, and recent data from the Demographic and Health Surveys program provided by Ties Boerma or extracted from recent reports. Nicholas Eberstadt contributed useful ideas on mortality differentials in adulthood, and the section further benefited from Feachem and others 1992.

The results in the section on the global burden of disease are taken from a joint World Bank-World Health Organization study (Murray and Lopez background paper); many collaborators are listed in Appendix B. Material on measuring the burden of disease for Ghana, to establish health care priorities, came from Ghana Health Assessment Project Team 1981. Feachem 1988 stresses the importance of "macroepidemiology" for health planning.

The section on challenges for the future is based on Institute of Medicine 1992, Mackay 1993, and WHO 1992b and 1992c and on information on HIV and AIDS provided by Seth Berkley, Rand Stoneburner, and WHO staff. D. A. Henderson provided information on emerging microbial infections; Tore Godal, Tekle Haimanot, and Hans Remme on malaria; and Alan D. Lopez and Neil Collishaw on smoking. Jacobs and others 1993 report on the development of a test for drug resistance in tuberculosis.

The discussion on demographic and epidemiologic transition draws on studies by Bobadilla and others forthcoming, Frenk and others 1989, and Omran 1971. Country-specific discussions of the implications of epidemiological transition for health policy may be found in World Bank 1984a, World Bank 1990a, and World Bank 1992a. The purchasing power parity per capita incomes used in Figure 1.9 were provided by Angus Maddison. The discussion of the factors explaining mortality declines is based on Ewbank and Preston 1990, McKeown 1976, and Preston and Haines 1991.

The structure and content of the chapter benefited from presentations made by Abdel Omran and Samuel Preston. Valuable comments on earlier drafts were made by Joseph Cook and Richard Morrow.

Chapter 2

This chapter draws on academic sources, presentations by speakers in the seminar series cosponsored by the World Development Report and the World Bank Population, Health and Nutrition Department, and on numerous World Bank documents. The discussion on household capacity (income and schooling) was informed by studies that included Anand and Ravallion 1993, Behrman 1990, Benefo and Schultz 1992, Fuchs 1979, Grossman 1975, Hill and Palloni 1992, Jeyaratnam 1985, Lau and others, background paper, Luft 1978, Natale and others 1992, Oganov 1992, Palloni 1981, Pierce 1989, Pritchett and Summers, background paper, Rodgers 1979, Rogot, Sorlie, and Johnson 1992, Strauss and others 1992, United Nations 1985, Wilkinson 1992, and World Bank 1990a.

The discussion on women's schooling and child health drew on the extensive literature, including Bhargava and Yu 1992, Bruce and Lloyd 1992, Caldwell 1986, Cleland 1990, Elo 1992, Engle 1991, Hoddinott and Haddad 1991, Kennedy 1992, King and Hill 1993, Leslie 1989b, Lindenbaum, Chakraborty, and Elias 1985, Louat, Grosh, and van der Gaag 1992, Over and others 1992, Sahn 1990, Summers 1992, Thomas 1990, Thomas, Strauss, and Henriques 1990, and World Bank Water Demand Research Team 1993.

The discussion on economic policy reform and adjustment lending drew on sources that included Behrman 1992, Berg and Hunter 1992, Edwards forthcoming, Kakwani, Makonnen, and van der Gaag 1990, Serageldin, Elmendorf, and El-Tigani forthcoming, Summers and Pritchett 1993, Thomas, Lavy, and Strauss 1992, Woodward 1992, World Bank 1990b, World Bank 1992e, and World Bank 1993c. Duncan Thomas contributed materials on protecting nonsalary spending during economic adjustment.

The presentation on education policies was informed by Alderman and others 1992, Jamison and Leslie 1990, Jarousse and Mingat 1992, Lockheed, Verspoor, and associates 1991, Minhas 1991, Over and Piot forthcoming, Tan and Mingat 1992, and World Bank 1988.

The work on policies for empowering women drew on Akin and others 1985, Birdsall and McGreevey 1983, and Leslie 1989a. The discussion of women and violence benefited from assistance from Jacquelyn Campbell, Rosemary Garner, Lori Heise and Dean Kilpatrick and drew on Archavanitkui and Pramaualrantan 1990, Bradley 1988, CAMVAC 1985, Council on Scientific Affairs 1992, COVAC 1990, Fauveau and Blanchet 1989, Handwerker 1991, Hosken 1988, Koop 1989, Koss, Koss, and Woodruff 1991, Plitcha 1992, Shim 1992, Stark 1984, and Stark and Flitcraft 1991.

Lawrence Lau contributed to the drafting of Box 2.1. Box 2.2 is based on material provided by Michelle Fryer. Carmen Barroso, Lori Heise, and Nahid Toubia contributed to Box 2.3. John Hobcraft and Aloysio Achutti assisted with the preparation of Figures 2.4

and 2.5, respectively. Robert Anda, David Bradley, John Briscoe, Mayra Buvinic, Brigitte Duces, Luis Escobedo, Paul Gertler, A. K. Shiva Kumar, Joanne Leslie, Ruth Levine, Jack Molyneaux, Damianos Odeh, Nick Prescott, Luis Serven, John Strauss, and Molly Tees contributed helpful data and resource materials. Valuable comments on earlier drafts were received from Sue Berryman, Joseph Bredie, Barbara Bruns, Ishac Diwan, Edward Henevald, Eva Jarawan, Himelda Martinez, Kenneth Shine, and David Woodward.

Chapter 3

This chapter draws on a wide range of published and unpublished sources, including documentation and expertise from the World Health Organization and the World Bank and on the academic literature. Discussion of the role of government draws on World Bank 1991. Jamison and others forthcoming summarizes the methods and findings of the cost effectiveness analysis that forms the starting point for the analyses used in this report. The data on health expenditures in the first section were compiled from a background paper by Murray, Govindaraj, and Chellaraj, which used a wide range of government health budgets, World Bank reports, and other country studies of health financing. Heller and Diamond 1990 also treat this issue. Data on equity in health status, access, and expenditure were drawn from the World Bank's Living Standard Measurement Study (LSMS) and were further analyzed by Kalpana Mehra. The analysis of costs and benefits of packages of public health measures and essential clinical services draws on the background paper by Bobadilla and others.

Box 3.1 was drafted by Richard Bumgarner. Box 3.2 is based on unpublished data provided by the Instituto Materno-Infantil de Pernambuco and on UNICEF and IMIP 1992. Box 3.3 is from the chapters on measles and on tuberculosis in Jamison and others forthcoming. The discussion of cost-effective interventions also draws on Halstead, Walsh, and Warren 1985, Walsh 1988, and Walsh and Warren 1979. Basic economic issues and their application are treated in Over 1991. The discussion of market failures in health draws particularly on Arrow 1963. Insurance and regulation are discussed generally in Diamond 1992 and for Brazil in Piola and Vianna 1991. The section on government failures in health policy takes examples from Evans, Barer, and Labelle 1988, Hlady and others 1992, and IDB 1988. Equity examples are drawn from Black and others 1982, Meerman 1980, Musgrove 1986 and 1993, and President's Commission 1983, as well as from the work of Prescott and others on social spending in Indonesia. The discussion of satisfaction with health care uses Bitran and McInnes 1993, Blendon and others 1990, and Gertler and van der Gaag 1990. Leslie 1989a discusses the time cost of health interventions, an issue that is not explicitly addressed in the cost-effectiveness calculations reported here but that deserves further work. Brook and Lohr 1986 provide evidence pointing to huge overuse of medical care in the United States beyond what is of value even at zero cost, resulting in part from third-party financing.

Nicholas Barr, Peter Diamond, Robert Evans, and Fernando Figueira provided valuable ideas and comments.

Chapter 4

This chapter draws on documentation and expertise from the World Health Organization and the World Bank and from the academic literature, as well as on expert consultations and on papers and discussions in the seminar series sponsored by the *World Development Report* and the World Bank Population, Health, and Nutrition Department.

The discussion on immunization and other population-based health services draws on ideas and data discussed at the consultation on Child Health held in Baltimore in 1992. Berkley and Jamison 1991 discuss the cost and effectiveness of school-based programs for mass treatment of worm infections and micronutrient deficiencies. Assistance was also provided by Amie Batson, Donald Bundy, Pamela Johnson, Marjorie Koblinsky, Jim Shepperd, Jacqueline Sherris, and Nebiat Tafari. Other sources were Bourdon, Orivel, and Perrot 1993, Brenzel 1990, Nokes and others 1992, Robertson and others 1992, Shepard and others 1989, and chapters in Jamison and others forthcoming on measles, polio, hepatitis B, tetanus, and helminth infection.

The section on diet and nutrition drew on Levin and others forthcoming, Pinstrup-Anderson and others forthcoming, and a variety of other sources. Valuable summaries of particular topics are given in ACC/SCN 1991, 1992a, and 1992b, Beaton and Ghassemi 1987, Beaton and others 1993, Berg 1987, Drèze and Sen 1989, Elliott 1988, Humphrey, West, and Sommer 1992, Keusch and Scrimshaw 1986, Leslie 1987, Leslie, Jamison, and Musgrove forthcoming, McGuire and Popkin 1990, Monteiro 1988, National Research Council 1989, Pelletier 1991, Pollitt 1990, Popkin 1993, Sen 1981, Tomkins and Watson 1989, and U.S. Centers for Disease Control and Prevention 1992. The section also drew on studies by Adair and others 1993, Bhargava 1992, Black 1991, Bouis 1990, Lutter and others 1992, Mardones and Zamora 1989, Martorell and others 1992, Musgrove 1990, Stamler and others 1989, Thomas, Lavy, and Strauss 1992, Waaler 1984, and Walter, Olivares, and Hertrampf 1990. Joanne Leslie contributed Box 4.1, and Jayshree Balachander contributed Box 4.2. Harold Alderman, George Beaton, Robert Black, Barry Bloom, Leslie Elder, Paul Elliott, Abraham Horwitz, Suraiya Ismail, Francisco Mardones, Reynaldo Martorell, John Mason, Paul McKeigue, Daan Mulder, Philip Payne, David Pelletier, and Peter Piot provided helpful information or comments.

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and Smith and Rodgers 1992. Christopher Curtis prepared Box 4.6, with assistance from Colin Leake, making use of data from Alonso and others 1991, Curtis 1992, and Maxwell and others 1990. Discussion of housing policy was informed by World Bank 1993b.

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Material on the success of prevention was drawn from the literature and from a meeting at GPA/WHO in 1992. The costs and benefits of the public health measures in the essential package are presented in Bobadilla and others, background paper.

Chapter 5

The costs and benefits of the clinical services in the essential package are described in Bobadilla and others, background paper. The discussion of the cost of the essential package of clinical services and mechanisms for delivering it drew on the work of the World Bank's Africa Technical Department and World Bank forthcoming. The components of the essential package of clinical services for children drew on analyses from UNICEF 1993 and on priorities proposed in UNICEF, WHO, and UNESCO 1991. The analyses of sources of health financing, provider compensation, and alternative modes of service delivery are based on the work of Arrow 1963, Barr 1992, Griffin 1992, Hsiao 1992, Hurst 1992, Reinhardt 1991, Schneider and others 1992, van Doorslaer, Wagstaff, and Rutten 1993, and World Bank 1992a. It draws on and is closely linked with a series of papers by the World Health Organization: WHO 1991a, on health care reform in Eastern and Central Europe; WHO 1991c, on the public-private mix; and WHO

The analysis of user charges and community financing draws on the work of Abel-Smith and Dua 1988, Gertler and van der Gaag 1990, Hecht, Overholt, and Holmberg 1993, Korte and others 1992, Lewis and Parker 1991, Litvack and Bodart 1993, McPake, Hanson, and Mills 1992, and others. The discussion of health insurance in developing countries draws on Abel-Smith 1992b, De Geyndt 1991, Ikegami 1992, Kutzin and Barnum 1992, McGreevey 1990, Mesa-Lago 1992, Vogel 1989, Yang 1991, and Yu and Anderson 1992. Analysis of the determinants of health spending in the OECD countries draws on Gerdtham and others 1992. The review of options for improving public and private delivery of clinical services draws on Bennett 1992, Foster 1991, and World Bank 1992g. The discussion of managed competition relies on Enthoven 1988 and Relman 1993. The discussion of decentralization of health services draws on Mills and others 1990 and World Bank 1992b.

Box 5.1 draws on material produced by Marjorie Koblinsky and on Tinker and Koblinsky 1993 and Walsh and others forthcoming. Box 5.2 was prepared with information provided by James C. Tulloch and Sandra Gove of WHO. Box 5.3 draws on material provided by Judith Wasserheit. Box 5.4 was based on Murray, Styblo, and Rouillon forthcoming. Box 5.5 draws on Grosh 1992. Box 5.6 uses material from

Schieber, Poullier, and Greenwald 1992 and the results of analysis by the *WDR* team of the relationship between the public share of health spending and health care costs. Box 5.7 is based on material from Hurst 1992. Werner 1987 discusses approaches to low-cost but effective rehabilitation from disability.

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Chapter 6

This chapter draws on technical materials from the World Health Organization and the World Bank and from the scientific literature. Regional estimates of hospital beds, physicians, and nurses are from OECD, WHO, World Bank, and national statistics. The hospital and district health system discussion draws on Barnum and Kutzin 1993 and World Bank forthcoming.

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Box 6.1 was prepared by Tamara Fox and Ruth Levine. Estimates of medical equipment expenditure are from Rozynski and Gallivan 1992.

Estimates on the efficiency of outpatient surgery in Colombia are from Shepard and others 1990. Hospital planning experience in the United States is based on Davis and others 1990. The discussion of regional planning is based in part on Jonsson 1989. The relationship between the volume of surgery and health outcomes is based on Hughes, Hunt, and Luft 1987. Papua New Guinea's experience with containing hospital spending is based on Newbrander 1987. The medical equipment discussion draws on Bloom 1989, Bruley 1991, Garber and Fuchs 1991, Gelijns and Halm 1991, Halbwachs 1992, and WHO various years. Abel-Smith 1992a and Rublee 1989 provided information on medical technology policies in industrial countries.

The human resources for health discussion draws on Abel-Smith 1986, Enthoven and Vorhaus 1992, Evans 1981, Foster 1987, Frenk and others 1991, Fuchs 1978, Institute of Medicine 1988, Javitt forth-

coming, Reyes and Picazo 1990, Richards and Fülöp 1987, Schmidt and others 1991, Schroeder 1984 and 1992, Schwab 1987, Tarlov 1986 as cited in Reinhardt 1991, Welch and others 1993, Whitfield 1987, and unpublished material from Ruth Roemer and WHO. In Box 6.2 the discussion of community health workers in Jamaica draws on Cumper and Vaughan 1985. The discussion of the Pastoral da Criança draws on materials provided by the Coordenação Nacional da Pastoral da Criança and on Victora and Barros 1990.

The drug discussion draws on Andersson 1992, Caplan 1985, Foster 1990, Hlady and others 1992, Holly and Lee 1992, Kanji and others 1992, Laing 1990, Management Sciences for Health 1992, Nazerali 1992, Office of Technology Assessment 1993, Thomas, Lavy, and Strauss 1992, Tomson and Sterky 1986, and WHO 1988a, 1988b, and 1988c. Box 6.5 draws on World Bank material and on Barros and others 1986 and Faúndes and Cecatti 1993. Information on the INCLEN program is from Halstead, Tugwell, and Bennet 1991. The information and research to guide decisionmaking draws on Enthoven 1989. Estimates of global spending on health research are from the Commission on Health Research for Development 1990. The health research discussion also draws on Free 1991, Godal 1993, and WHO 1991d.

Chapter 7

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Appendix B

The global burden of disease study was directed by Christopher Murray and Alan D. Lopez. The results reported here come from Murray and Lopez, background paper; a much expanded discussion will appear in Murray and Lopez forthcoming (a). Contributions from the United Kingdom were coordinated by Jonathan Broomberg.

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The methodology used for this study drew in part on the established literature on quality-adjusted life years (see Torrance 1986). One of the first applications to developing countries was Ghana Health Assessment Project Team 1981.

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Hecht, Robert M., and Vito L. Tanzi. "The Role of NGOs in the Delivery of Health Services in Developing Countries."

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Appendix A. Population and health data

Tables A.1 and A.2 present summary data on population and GNP. Tables A.3 through A.9 provide population and health data as a supplement to the main text and to the data presented in the World Development Indicators. All the tables except A.1 and A.2 are organized by demographic region as presented in Table A.10. Economies are listed in ascending order of GNP per capita as estimated for mid-1991. Regional totals include all the economies listed in Table A.10, but country data are presented only for those economies with estimated populations of 3 million or more in mid-1990. Taiwan (China) is not presented separately in this appendix but is included in the estimates for Other Asia and islands. Countries for which GNP per capita is uncertain are listed at the end of the regional groups and italicized.

Although the data reported here are drawn from the most authoritative sources available, comparability is limited because of variation in data collection, statistical methods, and definitions. Differences in the reliability of the data are indicated by presenting in italics the figures that are deemed to be less precise.

Table A.3 Population structure and dynamics

Population in 1990 by country and the percentages for under age 15 and for age 60 and over were taken from Bos and others 1992. Regional totals were obtained by addition. The regional population totals provide the basis for the regional projections carried out for this Report for the period 1950 to 2050. The basis for the mortality assumptions for these projections varies by region. For the established market economies and the formerly socialist economies of Europe vital registration data from about 1990 were used; future mortality trends were then adapted to agree with Bos and others 1992 for 2050. For the past,

vital registration data and official life tables were used in combination with child mortality estimates averaged across the countries of each region. For China mortality in 1990 was obtained by adjusting upward the deaths by age recorded in the 1990 census, using an adjustment factor of 1.20 for males and 1.25 for females; these adjustment factors were derived from a comparison of the deaths by age and sex with the population distribution in 1982 and 1990. For India the 1988 Sample Registration System life table was taken for 1990 without adjustment. For Latin America and the Caribbean 1990 mortality was based on deaths and population by age as available in the Pan American Health Organization (PAHO) data base for 1990. For Sub-Saharan Africa, Other Asia and islands, and the Middle Eastern crescent mortality estimates were based on country-specific estimates of child mortality, combined with indicators from a small number of accurate life tables of the relationship between child and adult mortality. Fertility estimates by region for the period 1950 to 1990 were determined by the 1990 age distributions and the mortality assumptions. Fertility estimates for the period 1990 to 2050 were taken as weighted averages of the country-specific values used by Bos and others 1992. Estimates of migration were obtained indirectly from United Nations, World Population Prospects 1990. Regional summaries for various columns of Table A.3—total fertility rate, total live births, life expectancy, median age at death, child mortality rate, and adult mortality rate by sex-are taken directly from the regional projections.

Country-specific values for *total fertility rate* and *total live births* in 1990 are taken from projection data bases in Bos and others 1992. Mortality indicators are based on the child mortality estimates for 1960, 1975, and 1990, which, for developing countries, are largely based on the special exercise described below.

Life expectancy at birth, e(0), is the number of years that a person born in a given year could expect to live, given the age-specific mortality rates for that year. Life expectancy in 1960 and 1990 and male and female adult mortality rates for 1990 were derived from the child mortality estimates for that year, combined with assumptions about the relationship between child and adult mortality based on the country-specific projections in Bos and others 1992. The adult mortality rate for a given sex is the probability of dying between ages 15 and 60, expressed per 1,000. Median age at death is the age below which half of all deaths occur in a year.

The perinatal mortality rate is the number per 1,000 births of perinatal deaths (late fetal deaths, occurring at twenty-eight weeks of gestation or thereafter, and early neonatal deaths, occurring within the first seven days of life). Estimates of perinatal mortality were derived from various data sources. Vital registration data were used for most of the established market economies and for Argentina, Chile, China, Singapore, and Uruguay. Vital registration data for the republics of the former U.S.S.R. were corrected for underreporting of perinatal deaths by using a regression model of perinatal mortality on postneonatal mortality based on a data series extending over about forty-five years (1945-91) from forty countries with complete vital registration. The remaining estimates drew on community- and hospital-based studies at the district or other subnational level that were expanded to the national level using either percentage of the population living in urban areas in 1990 or percentage of births attended by trained health staff. Vital statistics for the established market economies and the historical data base were obtained from the U.S. National Center for Health Statistics (NCHS).

The *child mortality rate* is defined as the probability of dying by exact age 5. Estimates for the period 1960 to 1990 were obtained from a special exercise carried out jointly for the World Development Report and the United Nations Children's Fund (UNICEF), the results of which will be published as UNICEF, The Progress of Nations 1993. (The methodology is described in Hill and Yazbeck, background paper.) The sources of information are those given in United Nations, Child Mortality since the 1960s (1992), augmented by recently available census and survey data. For each observation of child mortality, there is a corresponding observation of the date to which the measure refers. Point estimates of child mortality were obtained by fitting a line to the observations using weighted least squares, the independent variables being years (to account for trends) and the weights being based on consensus judgment about the relative robustness of estimates derived from different types of data. In order to focus on rates of change, the dependent variable used is the logarithm of the observed child mortality rates. For estimates beyond the range of the observations, extrapolation is used; all estimates based on extrapolation are shown in italics. For countries not included in *Child Mortality since the 1960s*, estimates of child mortality by period have been taken from United Nations, *Mortality of Children under Age Five* (1988). For these countries, point estimates for calendar years have been obtained by averaging estimates for adjacent five-year periods; thus, for example, child mortality for 1960 for Ethiopia is obtained as the average of the estimated values for 1955–60 and 1960–65.

Table A.4 Population and deaths by age group

Population projections for the eight demographic regions were made for the period 1990 to 2030, and reverse projections were made back to 1950. The starting point for these forward and reverse projections is the age and sex distribution of each region's population, as reported in Bos and others 1992. For reverse projections, mortality assumptions are based on child mortality estimates derived for this Report as described above for child mortality rates, with additional information derived from United Nations, Mortality of Children under Age Five (1988); migration assumptions were obtained indirectly from United Nations, World Population Prospects (1990). For the forward projections, assumptions on fertility, mortality, and migration were chosen to agree with Bos and others 1992, starting from the levels used in the reverse projection for 1985-90. The population projection follows the component projection model used by the World Bank.

Table A.5 Mortality risk and life expectancy across the life cycle

The figures in Table A.5 are derived from the regional population projections described in the note to Table A.4.

Table A.6 Nutrition and health behavior

Stunting is defined as low height-for-age; data are for children ages 24–59 months. Wasting is defined as low weight-for-height; data are for children ages 12–23 months. Moderate to severe stunting or wasting means, respectively, height-for-age or weight-for-height more than 2 standard deviations below the median of the NCHS reference population. What matters is the excess over the prevalence in the reference population; the latter includes genetic effects as well as malnutrition. Stunting is interpreted as measuring chronic malnutrition and wasting as measuring acute or short-term malnutrition, whether the cause is inadequate food intake or infectious disease or both. Mild or moderate malnutrition is not consid-

ered disease, but all degrees of malnutrition increase the risk of death in children. *Fully breastfed* babies are defined as those given breast milk with or without water, juice, or other liquids but no food or non-breast milk before age 4 months. Women are classified as *anemic* when the blood hemoglobin level is below the WHO norm of 110 grams per liter.

Tobacco consumption per year is an estimate of kilograms of consumption of dry-weight tobacco per adult (age 15 and older). Where consumption in rawleaf equivalent is not available, data are derived by converting data on consumption or sales of products. In some cases consumption is calculated from production of and net trade in leaf and products. Consumption of tobacco for 1990 and 2000 was projected through a model that used assumptions on the growth of private consumption expenditure to derive per capita demand for tobacco. The demand functions and elasticities were based on analysis of recent national family budget surveys and past time series of consumption. Antismoking campaigns and other preventive activities that have influenced the level of tobacco consumption were considered for some countries through a trend factor, independent of income and price.

Sources for data on child nutrition are World Health Organization (WHO), Demographic and Health Surveys, Institute for Resource Development of Macro Systems (IRD), and UNICEF; for anemia, WHO; and for tobacco consumption, the Commodities and Trade Division of the Food and Agriculture Organization of the United Nations (1990).

Table A.7 Mortality by broad cause, and incidence of tuberculosis

Mortality rates are standardized for age by the direct method, using world population as the standard population. Infectious diseases and reproductive health problems include all deaths from infectious diseases listed in the International Classification of Diseases, Ninth Revision (1977), plus influenza and pneumonia, nutritional disorders and anemia, maternal causes of death (including abortion), and perinatal causes of death. Injuries include all violent causes, whether intentional, unintentional, or unknown. Noncommunicable diseases include all other causes of death. Deaths of which the cause was coded as ill-defined are distributed among the three groups in proportion to the number of deaths in each group. The source is WHO data derived from national vital statistics. Estimates for economies with incomplete death registration (less than 90 percent of deaths), high levels of nonmedical certification of causes of death (more than 15 percent), or high proportions of deaths from ill-defined causes (more than 20 percent) are considered unreliable and are shown in italics.

The incidence rate of *tuberculosis* has been estimated using the most recent available information recorded by governments and corrected for many developing countries with additional information from epidemiological studies. The data source is WHO's Tuberculosis Programme.

Table A.8 Health infrastructure and services

Doctor is defined to include only individuals with the professional degree of medical doctor. The definition of nurse includes only registered nurses and registered midwives. Hospital bed is defined as beds in clinics and hospitals; beds in long-term care facilities and nursing homes are excluded. Data sources are the World Bank, the Organization for Economic Cooperation and Development (OECD), PAHO, and WHO.

Immunization data refer to DPT3—three completed doses of vaccine against diphtheria, pertussis (whooping cough), and tetanus—and to measles. The denominator for estimating coverage is the number of surviving infants age 1 year. The source of data is WHO's Expanded Programme on Immunization.

Table A.9 Health expenditure and total flows from external assistance

Health expenditure includes outlays for prevention, promotion, rehabilitation, and care; population activities; nutrition activities; program food aid; and emergency aid specifically for health. It does not include water and sanitation. Per capita expenditures and per capita aid flows are based on World Bank midyear population estimates.

Total health expenditure is expressed in official exchange rate U.S. dollars. Data on public and private health expenditure for the established market economies and Turkey are from the OECD. For other countries, information on government health expenditures is from national sources, supplemented by Government Finance Statistics (published by the International Monetary Fund), World Bank sector studies, and other studies. Data on parastatal expenditures (for health-related social security and social insurance programs) are from the Social Security Division of the International Labour Office (ILO) and the World Bank. Data are drawn from Murray, Govindaraj, and Chellaraj, background paper.

Public sector expenditures include government health expenditures, parastatal expenditures, and foreign aid, making the figures comparable with those for OECD countries. Private sector expenditures for countries other than OECD members are based on household surveys carried out by the ILO and other sources, supplemented by information from United Nations National Income Accounts, World Bank

studies, and other studies published in the scientific literature.

Estimates for countries with incomplete data were calculated in three steps. First, where data on either private or public expenditures were lacking, the missing figures were imputed from data from countries for which information was available. The imputation followed regressions relating public or private expenditure to GDP per capita. Second, for a country with no health expenditure data, it was assumed that the share of GDP spent on health was the same as the average for the corresponding demographic region. Third, if GDP was also unknown but population was known, it was assumed that per capita health spending was the same as the regional average.

Estimates for development assistance for health are expressed in official exchange rate U.S. dollars. Total aid flows represent the sum of all health assistance for health to each country by bilateral and multilateral agencies and by international nongovernmental organizations (NGOs). Direct bilateral official development assistance (ODA) comes from the OECD countries. Sources of multilateral development assistance include United Nations agencies, development banks (including the World Bank), the European Community, and the Organization of Petroleum Exporting

Countries (OPEC). Major international NGOs include the International Committee for the Red Cross (ICRC) and the International Planned Parenthood Federation (IPPF). National NGOs were not included because the available information was not separated by recipient country.

Information on ODA from bilateral and multilateral organizations was completed by data from the OECD's Development Assistance Committee (DAC) and Creditor Reporting System (CRS) and from the Advisory Committee for the Coordination of Information Systems (ACCIS). DAC has compiled annual aggregate ODA statistics, by sector, since 1960. The OECD's CRS, established in 1970, complements the DAC statistics by identifying contributions allocated by sector. The CRS data base is the most complete source of information for bilateral ODA, but its completeness varies among OECD countries and from year to year. ACCIS has kept, since 1987, a Register of Development Activities of the United Nations that lists sources of funds and executing agencies for all United Nations projects by sector.

The estimates of development assistance in this table were prepared by the Harvard Center for Population and Development Studies as a background paper for this Report.

Table A.1 Population (midyear) and average annual growth

			Popul	ation (n	nillions)			Average annual growth (percent)					
Country group	1965	1973	1980	1990	1991	2000a	2030a	1965-73	1973-80	1980-90	1990-2000a	2000-2030a	
Low- and middle-income	No. 11 244				5						· <u>-</u>		
economies	2,602	3,166	3,662	4,445	4,528	5,294	7,736	2.5	2.1	2.0	1.8	1.3	
Low-income economies	1,776	2,169	2,507	3,066	3,127	3,686	5,459	2.5	2.1	2.0	1.9	1.3	
Middle-income economies	826	997	1,155	1,379	1,401	1,608	2,273	2.3	2.2	1.8	1.5	1.2	
Severely indebted	274	332	389	477	486	569	841	2.4	2.3	2.1	1.8	1.3	
Sub-Saharan Africa ^b	233	288	351	474	489	635	1,313	2.7	2.9	3.1	3.0	2.4	
East Asia and the Pacific	1,009	1,240	1,399	1,641	1,667	1,891	2,442	2.6	1.7	1.6	1.4	0.9	
South Asia	632	765	903	1,128	1,152	1,368	2,004	2.4	2.4	2.2	1.9	1.3	
Europe and Central Asia			448	489	492	517	566			0.9	0.6	0.5	
Latin America and the													
Caribbean	249	305	358	438	455	516	721	2.6	2.4	2.0	1.7	1.1	
Middle East and North Africa	114	141	173	236	244	315	600	2.8	3.0	3.2	2.9	2.2	
High-income economies	671	725	766	817	822	864	920	1.0	0.8	0.6	0.6	0.2	
OECD members	649	698	733	777	783	820	871	0.9	0.7	0.6	0.5	0.2	
World	3,281	3,895	4,428	5,262	5,351	6,157	8,664	2.2	1.8	1.7	1.6	1.2	

Note: Because of incomplete coverage, discrepancies between summed subgroup figures may occur.

Table A.2 GNP, population, GNP per capita, and growth of GNP per capita

	1991 GNP (billions of	1991 population	1991 GNP per capita	Ave	Average annual growth of GNP per capita (percent)							
Country group	dollars)	(millions)	(dollars)	1965-73	1973-80	1980-90	1989	1990	1991=			
Low- and middle-income		,										
economies	4,571	4,528	1,010	4.3	2.7	1.2	1.1	-0.1	-2.1			
Low-income economies	1,097	3,127	350	2.5	2.6	4.0	2.9	2.9	2.1			
Middle-income economies	3,474	1,401	2,480			0.5	0.7	-1.0	-3.4			
Severely indebted	1,130	486	2,320	5.2	3.4	-0.8	-0.6	-5.4	-2.5			
Sub-Saharan Africab	173	489	350	1.7	0.9	-1.3	0.5	-1.4	-0.6			
East Asia and the Pacific	1,081	1,667	650	5.0	4.8	6.2	4.5	5.3	5.0			
South Asia	372	1,152	320	1.2	1.7	3.2	2.9	3.3	-0.7			
Europe	1,314	492	2,670			1.4	1.4	-2.7	-9.8			
Latin America and the												
Caribbean	1,065	445	2,390	4.6	2.2	-0.4	-1.1	-1.4	1.7			
Middle East and North Africa	474	244	1,940	6.0	1.7	-2.5	-0.2	-0.2	-1.3			
High-income economies	16,920	822	20,570	3.7	2.1	2.3	2.7	1.6	0.3			
OECD members	16,463	783	21,020	3.8	2.1	2.3	2.7	1.6	0.1			
World	21,464	5,351	4,010	2.8	1.3	1.2	1.6	0.5	-0.1			

Note: Because of incomplete coverage, discrepancies between summed subgroup figures may occur.

a. Projections. For the assumptions used in the projections, see technical notes for Table 26 in the World Development Indicators.

b. Excludes South Africa.

a. Projections. For the assumptions used in the projections, see technical notes for Table 26 in the World Development Indicators.

b. Excludes South Africa.

Table A.3 Population structure and dynamics

		Pop	ulation and fert	ility										
					Total	Gen	eral mortalit				e-specific morta	lity rates	Adult 1	nortality
	Population, 1990	Under 15 years old, 1990	60 years and over, 1990	Total fertility rate,	live births per year, 1990 (hundreds of	Life expectane	y at birth	Median age at death,	Perinatal mortality rate,	Chi	ld mortality rat	e	rate,	1990 15-59)
Demographic region and economy	(millions)	(percent)	(percent)	1990	thousands)	1960	1990	1990	1990	1960	1975	1990	Male	Female
Sub-Saharan Africa	510 t	46 w	5 w	6.4 w	251.8 t	43 w	52 w	5 w	68w	251 w	212 w	175 w	381 w	322 w
Mozambique	16	44	5	6.4	7.2	39	43	2	75	280	280	280	490	421
Tanzania Estimia	25 51	47 47	5 5	6.6	11.7	42 37	49	5	71 87	242	202	165	379	335
Ethiopia Uganda	16	4/ 49	5	7.5 7.3	26.5 8.5	3/ 44	48 47	4 4	87 85	294 224	262 173	197 185	404 424	329 367
Burundi	5	46	5	6.8	2.7	40	47	11	87	255	209	180	424	367
Chad	6	42	6	6.0	2.5	35	47	7	74	326	271	212	445	358
Madagascar	12	46	5	6.3	5.3	4 2	51	11	76	250	200	170	389	333
Sierra Leone	4	43	5	6.5	1.9	34	38	2	. 72	391	375	360	503	436
Malawi Rwanda	9 7	47	4	7.6	4.6	35	47	4	83	361	313	201	426	369
Kwanda Mali	8	48 47	4 5	8.3 7.0	3.9 4.3	45 33	44 48	3 4	86 80	210 413	223 321	222 200	453 417	395 361
Burkina Faso	9	46	5	6.5	4.2	35	49	4	85	318	254	159	429	352
Niger	8	47	4	7.1	3.9	35	38	3	79	320	320	320	513	454
Nigeria	96	47	4	6.0	42.5	47	49	7	71	204	198	191	406	354
Kenya	24	50	4	6.6	11.1	46	59	15	77	203	139	83	315	259
Benin	5	48	5	6.4	2.2	35	50	6	69	307	228	170	387	316
Central Africa Rep.	3	42	5	5.8	1.3	35	55 53	15	64	332	209	132	346	288
Ghana Togo	15 4	47 48	5 5	6.3 6.7	6.6 1.8	45 39	52 54	7 7	71 75	213 264	169 193	170	344 325	282
Togo Guinea	6	48 46	4	6.7 6.5	1.8 2.7	39 35	54 44	2	75 76	264 347	193 297	143 268	325 452	268 395
Zimbabwe	10	45	4	5.0	3.6	52	62	26	55	159	120	58	269	216
Côte d'Ivoire	12	47	4	6.7	5.4	40	57	10	68	260	194	90	332	277
Senegal	7	47	4	6.5	3.4	35	50	15	73	303	265	156	397	340
Cameroon	12	46	6	5.9	4.8	40	57	16	68	265	194	125	316	256
South Africa	36	38	6	4.3	12.1	48	62	41	50	192	141	91	278	209
Somalia Zaire	8 37	46 46	5 4	6.8 6.3	3.8 17.0	36 37	45 49	4 6	70 68	294 286	262 223	214 190	443 387	390 319
Sudan	25	46	5	6.3	11.2	46	57	13	78	203	152	104	367 267	234
Zambia	8	49	4	6.7	4.0	45	47	11	63	213	167	190	422	354
Angola	10	45	5	6.5	4.7	- 35	46	3	75	346	281	214	434	381
India	850	37	7	4.0	258.1	47	58	37	64	235	195	127	272	229
China	1,134	27	9	2.5	251.3	43	69	64	25	210	85	43	201	150
Other Asia			11 00000				/Ava	-						
and islands	683 t	37 w	6 w	3.3 w	188.7 t	50 w	62 w	42 w	49w	182 w	135 w	97 w	243 w	177 w
Nepal Cambodia	19	42 35	5 5	5.7	7.6	44	56	12	90	279	202	135	312	243
Bangladesh	8 107	33 43	5	4.6 4.6	3.3 37.2	45 46	50 56	30 12	85 75	218 251	239 236	17 4 137	347 295	274
Lao PDR	4	43 44	. 5	6.7	2.0	40 44	50	8	85	232	209	171	295 345	244 280
Sri Lanka	17	32	8	2.4	3.5	58	72	73	19	140	69	22	158	92
Indonesia	178	36	6	3.1	45.9	46	59	47	40	214	151	111	278	212
Philippines	61	40	5	3.6	17.8	59	64	49	27	103	75	62	234	172
Papua New Guinea	4	41	5	5.1	1.4	47	52	22	43	204	185	169	374	327
Thailand	56	33	6	2.4	12.0	52	68	71	25	149	85	36	242	163
Malaysia Korea, Rep.	18 43	38 26	6 8	3.8 1.8	5.5 6.9	<i>58</i> 53	71 72	63 74	25 10	106 133	54 29	20 10	177	120 67
Hong Kong	6	20	13	1.5	0.7	64	72 78	7 4 77	8	53	17	7	149 91	67 44
Singapore	3	24	8	1.9	0.5	65	74	76	8	48	16	8	135	64
Myanmar	42	37	6	3.9	12.7	43	61	41	50	234	153	101	256	187
Viet Nam	66	40	7	3.9	20.4	57	67	50	40	105	68	46	180	118
Korea, Dem. People's Rep.	22	28	7	2.4	4.7	53	70	71	20	133	55	31	179	84
Latin America and the Caribbean	444 t	36 w	7 w	3.3 w	124.6 t	54 w	70 w	55 w	33 w	161 w	104 w	60 w	228 w	163 w
Nicaragua	4	46	4	5.4	1.5	50	62	13	35	191	149	106	283	264
Haiti	6	40	6	4.8	2.3	47	54	18	43	221	208	156	413	406
Honduras	5	45	5	5.3	2.0	49	67	23	39	203	126	62	220	162
Bolivia	7	43	5	4.9	2.6	43	60	13	37	251	205	125	330	269
Guatemala Dominican Bon	9 7	45	5	5.5	3.6	49	64	23	40	205	152	84	287	227
Dominican Rep. Ecuador	10	37 39	6 6	3.3 3.8	2.0 3.1	56 53	68 70	49 57	35 37	149 174	114 120	56 42	212 218	147 157
Peru	22	38	6	3.8	6.6*	45	65	47	40	233	157	73	272	221
El Salvador	5	44	6	4.3	1.7	51	69	32	39	188	146	52	318	217
Colombia	32	35	6	2.7	7.9	58	73	66	33	132	88	21	200	109
	4	41	5	4.7	1.5	64	70	42	37	92	70	37	261	210
Paraguay	13	31	9	2.6	2.9	55	73	69	14	155	68	20	214	112
Chile		38	6	3.6	5.7	67	72	62	26	78	59	26	196	105
Chile Venezuela	20						770	70	20					
Chile Venezuela Argentina	32	30	13	2.8	6.5	67	72	72	28	73	56	26	168	90
Chile Venezuela Argentina Uruguay	32 3	30 26	16	2.3	0.5	71	74	73	17	55	58	23	194	101
Chile Venezuela Argentina Uruguay Brazil	32 3 150	30 26 35	16 7	2.3 3.3	0.5 40.4	71 52	74 66	73 57	17 35	55 179	58 110	23 69	194 250	101 182
Chile Venezuela Argentina Uruguay	32 3	30 26	16	2.3	0.5	71	74	73	17	55	58	23	194	101

		Pop	ulation and fert	ility		Ger	eral mortalit	y		Age	e-specific mort	ality rates		
	Population, 1 99 0	Under 15 years old, 1990	60 years and over, 1990	Total fertility rate,	Total live births per year, 1990 (hundreds of	Life expectan	cy at birth	Median age at death,	Perinatal mortality rate,		d mortality ra		rate,	nortality 1990 15–59)
Demographic region and economy	(millions)	(percent)	(percent)	1990	thousands)	1960	1990	1990	1990	1960	1 9 75	1990	Male	Female
Middle Eastern crescent	503 t	41 w	6 w	5.0 w	195.8 t	44 w	61 w	24 w	46 w	242 w	174 w	111 w	228 w	174 u
Pakistan	112	44	5	5.9	47.1	49	56	7	65	222	163	139	296	263
Yemen, Rep.	11	49	5	7.7	6.1	33	49	4	60	378	270	183	334	327
gypt	52 25	39	6	5.6	16.2	40	64	38	58	256	212	56	214	158
Morocco Faiikistan	25 5	41 45	6 6	4.6 5.0	8.7 2.0	45	62 65	4 1 22	45 37	215	17 4 115	71 75	214 190	183 133
ordan	3	43 44	4	5.5	1.3	54	69	35	40	145	85	75 34	138	93
Syrian Arab Rep.	12	48	4	6.5	5.5	47	66	23	45	199	98	44	157	121
Úzbekistan	21	42	6	4.0	6.6		67	37	33		67	60	225	135
T unisia	8	38	6	3.7	2.3	41	67	58	40	245	140	45	166	136
Kyrgyzstan	4	38	9	3.7	1.3		68	64	31		63	53	268	131
Georgia	5	24	16	2.1	0.9	• •	72	71	24	• •	39	28	218	94
Azerbaijan	7	33	9	2.7	1.7	• •	69	66	30 41		69	52 93	239 270	106 155
Turkmenistan Turkey	4 56	41 35	6 7	4.1 3.5	1.2 15.9	47	64 65	48 52	41 45	217	101 172	93 94	270 175	107
Algeria	25	44	5	5.2	9.1	43	65	47	40	242	174	82	135	105
Armenia	3	30	11	2.4	0.6		72	67	25	242	43	32	195	100
Iran	56	44	5	6.3	25.1	42	63	18	56	234	164	64	174	124
Kazakhstan	17	32	10	2.8	3.7		68	65	27		48	39	291	131
Saudi Arabia	15	46	4	7.0	6.4	38	64	18	40	292	166	81	175	138
Israel	5	31	12	2.9	1.1	72	76	76	11	38	26	10	110	72
Afghanistan	20	4 5	4	6.9	9.8	34	40	2	75 53	358	314	307	421	421
Iraq Libya	19 5	47 46	4	6.2 6.7	8.0 2.0	52 39	63 62	24 16	52 35	163 269	106 146	72 82	194 191	129 144
	3	40	4	0.7	2.0	37	02	10	33	207	140	02	191	144
Formerly socialist economies of Europe (FSE)	346 t	23 w	17 w	2.2 w	52.9 t	66 w	72 w	72 w	19w	68 w	36 w	22 w	281 w	112 v
Romania	23	24	16	2.2	3.7	63	70	71	12	82	43	31	233	119
Poland	38	25	15	2.2	5.9	65	71	72	15	70	29	20	263	102
Bulgaria	9	20	20	1.9	1.1	67	73	73	11	62	29	21	217	97
Moldova Ukraine	4 52	32 21	11 19	2.9	0.8 7.5		69 72	68 73	24 22		51 25	32 22	271 270	153 107
Okraine Czechoslovakiaa	16	23	17	2.1 2.0	2.2	70	72	73 73	10	32	23	13	243	98
Lithuania	4	30	16	2.0	0.6		72	73	20		23	18	276	108
Hungary	11	20	19	1.8	1.3	68	71	73	15	57	33	20	305	133
Belarus	10	23	18	2.2	1.6		73	73	21		22	18	272	64
Russian Federation	148	24	17	2.3	23.5		71	71	22		33	27	304	110
Albania	3	33	8	3.0	0.8	51	70	67	45	164	71	36	250	110
Yugoslaviab	22	23	15	2.1	2.8	59	71	71	16	113	4 7	28	195	94
Established market economies (EME)	798 t	19 w	18 w	1.7 w	104.0 t	70 w	76 w	75 w	9w	36 w	21 w	11 w	147 w	73 1
Portugal	10	21	18	1.6	1.3	60	75	75	13	108	49	13	169	82
Greece	10	19	20	1.5	1.1	68	76	76	13	50	29	13	133	71
Ireland	4	27	15	2.2	0.6	70	74	75	10	35	20	10	186	98
New Zealand	3	23	15	2.0	0.6	71	75	75	7	26	18	11	159	86
Spain	39	20	19	1.5	4.4	68	76 76	75 77	10	56	22	10	148	79
United Kingdom	57 17	19	21 15	1.9	7.9	71 71	76 77	77 76	8 10	27 24	18 16	9	156	87 74
Australia Italy	17 58	22 16	15 16	1.9 1.3	2.5 5.7	68	77 77	76 77	10	56	16 25	11	148 128	74 72
Netherlands	15	18	18	1.6	1.9	73	77	77	10	21	12	9	141	72
Belgium	10	18	21	1.7	1.2	70	76	77	10	38	19	11	156	75
Austria	8	18	20	1.5	0.9	69	76	77	8	47	24	10	162	76
France	56	20	19	1.8	7.6	70	77	78	9	33	16	9	159	66
Canada	27	21	16	1.8	3.9	71	77	76	8	33	16	9	146	65
United States	250	22	17	1.9	38.6	70	76 76	76	10	31	19	11	157	75
Germany	79	16	20	1.6	9.2	69	76 75	78 77	7	43	22	9	159	76
Denmark Finland	5 5	17 20	20 18	1.6 1.8	0.6 0.7	72 63	75 75	77 76	9 8	25 27	12 11	10 8	162 168	90 86
rituand Norway	4	20 19	21	1.8	0.7	73	73 77	76 78	8	27	12	10	140	68
Norway Sweden	9	19 17	23	2.0	1.2	73 73	77 78	78 78	8 7	22 19	10	8	135	71
Japan	124	18	17	1.6	13.5	68	79	78	6	37	11	6	120	63
Switzerland	7	17	20	1.7	0.8	71	78	78	8	25	12	9	136	63
FSE and EME	1,144 t	20 w	18 w	1.9 w		69 w	75 w	74 w	12 <i>w</i>	46 w	25 w	15 w	188 w	86
								F4-7						
Demographically	4 123 +	36 70	7 w	38 20	1,270.3 ±	46 w	63 w	39 m	45 70	226 w	152 w	106 20	250 w	199
Demographically developing group World	4,123 t 5,267 t	36 w 32 w	7 w 9 w	3.8 w		46 w	63 w 65 w	39 w 55 w	45 w 40 w	226 w 195 w	152 w 135 w	106 w 96 w	250 w 234 w	199 169

Note: In this appendix the demographically developing group includes the Sub-Saharan Africa, India, China, Other Asia and islands, Latin America and the Caribbean, and Middle Eastern crescent regions. Regional totals and averages include relevant information for less populous countries as listed in Table A. 10, except for perinatal mortality.

a. Refers to former Czechoslovakia because disaggregated data are not yet available.

b. Refers to former Socialist Federal Republic of Yugoslavia because disaggregated data are not yet available.

Table A.4 Population and deaths by age group

			ation (mil					aths (millio		
Demographic region and age group	1950	1980	1990	2000	2030	1950	1980	1990	2000	2030
Sub-Saharan Africa	179	376	510	724	1,628	4.4	6.2	7.9	9.3	11.7
0-4	32	69	95	139	206	2.3	3.3	4.0	4.8	3.4
5-14	46	111	140	205	392	0.4	0.5	0.7	0.7	0.6
15-59	93	179	252	348	945	1.1	1.5	1.9	2.1	3.7
60+	9	17	23	32	85	0.6	0.9	1.3	1.7	4.0
India	358	684	850	1,003	1,357	8.1	9.1	9.3	9.7	11.8
0–4	55	97	117	111	102	4.4	3.9	3.2	2.5	1.0
5-14	84	168	197	223	202	0.6	0.6	0.6	0.6	0.2
15-59	198	378	477	593	870	1.6	1.9	2.3	2.6	2.9
60+	20	42	59	76	182	1.5	2.7	3.3	4.0	7.7
China	547	988	1,134	1,296	1,610	15.2	7.7	8.9	9.1	13.9
0-4	76	97	118	116	105	6.0	1.4	1.1	0.8	0.3
5~14	108	253	187	240	232	1.3	0.3	0.1	0.2	0.1
15-59	322	566	728	808	927	4.5	2.3	2.3	2.3	2.2
60+	41	73	101	132	346	3.4	3.7	5.4	5.8	11.3
Other Asia and islands	281	552	683	808	1,108	5.7	5. <i>7</i>	5.5	6.5	9.2
0-4	42	82	86	87	83	2.5	2.2	1.6	1.5	0.6
5-14	68	141	164	169	165	0.4	0.4	0.4	0.3	0.1
15–59	155	298	390	494	698	1.6	1.5	1.5	1.9	2.3
60+	17	31	43	58	161	1.2	1.6	2.0	2.8	6.2
Latin America and the Caribbean	166	355	444	538	765	2.9	2.7	3.0	3.1	6.0
0-4	27	52	56	59	56	1.3	0.9	0.7	0.6	0.3
5-14	40	89	103	113	114	0.2	0.1	0.1	0.1	0.1
15-59	90	194	254	323	474	0.7	0.9	0.9	0.7	1.5
60+	90	21	31	43	121	0.7	0.9	1.2	1.7	4.1
Middle Eastern crescent	148	382	503	667	1,240	3.9	4.7	4.4	5.6	7.6
0-4	24	62	81	102	130	2.0	2.1	1.8	2.1	1.2
5-14	35	99	127	173	252	0.3	0.3	0.2	0.3	0.2
15-59	79	201	266	353	748	1.0	1.2	0.9	1.4	1.9
60+	10	201	29	39	110	0.7	1.1	1.4	1.4	4.3
Formerly socialist economies	The second secon						to the second se	STORY SOUTH		
of Europe (FSE)	269	324	346	361	395	3.1	3.2	3.8	3.7	4.3
0-4	27	27	27	25	26	0.7	0.3	0.1	0.1	0.0
5-14	50	49	54	51	50	0.1	0.1	0.0	0.0	0.0
15~59	165	204	208	217	225	0.8	0.5	0.9	0.7	0.5
60+	26	45	57	67	94	1.5	2.3	2.7	2.9	3.7
Established market economies (EME)	564	757	798	832	869	6.5	7.5	7.1	8.0	10.1
0-4	58	52	51	.50	49	0.6	0.2	0.1	0.1	0.1
5-14	96	117	104	104	99	0.1	0.1	0.0	0.0	0.0
15-59										
60+	342 69	461 127	497 145	516 163	460 260	1.5 4.3	1.0 6.2	1.1 5.9	1.1 6.8	0.7 9.3
FSE and EME	832	1,077	1,144	1,194	1,267	9.6	10.7	10.9	11.7	14.3
0-4	85	79	78	75	75	1.3	0.5	0.2	0.2	0.1
5-14	146	166	78 158	75 156	75 149	0.2	0.5	0.2	0.2	0.1
15-59 60+	507 95	665 167	705 203	732 231	685 358	2.2 5.8	1.5 8.5	2.0 8.6	1.8 9.7	1.2 13.0
	2* - 5-14	NSI	-	5,034		40.2				
Demographically developing group	1,678	3,337	4,123	10 10 10 10 10 10 10 10 10 10 10 10 10 1	7,708	-	36.2	39.1	43.3	60.2
0-4	255	458	. 552	613	682	18.5	13.9	12.4	12.3	6.8
5-14	381	851	919	1,123	1,348	3.2	2.2	2.1	2.2	1.3
15-59	937	1,902	2,367	2,918	4,672	10.5	9.2	9.8	11.0	14.5
60+	106	126	286	380	1,005	8.0	10.9	14.6	17.8	37.6
World	2,511	4,414	5,267	6,228	8,975	49.8	46.9	50.0	55.0	74.5
0-4	340	536	631	687	757	19.8	14.4	12.7	12.5	6.9
5-14 15-50	527	1,017	1,077	1,279	1,497	3.4	2.3	2.2	2.2	1.3
15-59	1,443	2,489	3,072	3,600	5,358	12.7	10.7	11.8	12.8	15.7
60+	200	371	488	662	1,363	13.8	19.4	23.2	27.5	50.6

Table A.5 Mortality risk and life expectancy across the life cycle

	Pro	bability	of dyir	ıg (perc	ent)		L		ctancy a ges (yea	at differ ırs)	ent
Demographic region and age group	1950	1980	1990	2000	2030	Demographic region and age	1950	1980	1990	2000	2030
Sub-Saharan Africa			and the same of th			Sub-Saharan Africa					
0-4	28.6	19.9	17.5	15.2	7.9	0	39	49	52	55	64
5-14	6.2	3.7	3.1	2.7	1.3	5	50	56	58	59	64
15-59	47.9	36.6	34.5	30.6	21.5	15	43	48	50	51	55
60-75	58.0	51.5	49.4	47.7	42.1	60	13	15	15	15	17
India						India					
0-4	30.4	17.2	12.4	10.5	4.5	0	42	55	58	61	70
5-14 15-59	5.0	3.0	2.7	2.3	1.0	5	54	61	61	63	68
60-75	38.5 61.1	26.3 51.2	25.0 48.9	23.3 44.6	15.1 33.8	15 60	47 14	52 15	53 16	54 16	59 18
China	01.1	91.2	40.7	11.0	33.0	China	1.4	13	10	10	10
0-4	21 5	(7	4.2	2 (1 /		20	(0			
5-14	31.5	6.7 1.2	4.3 0.8	3.6 0.6	1.6 0.3	0 5	38 47	63 64	69 67	71 69	77 73
15-59	53.4	21.6	17.5	15.3	9.7	15	40	55	58	59	63
60–75	65.2	43.5	41.5	34.8	23.0	60	12	17	18	18	20
Other Asia and islands						Other Asia and islands		-			
0-4	23.4	12.0	9.7	8.2	3.8	0	44	58	62	64	72
5–14	4.9	1.9	1.7	1.3	0.6	5	52	61	63	65	70
15-59	4 5.0	24.5	21.2	19.7	13.9	15	44	51	54	56	60
60-75	59.3	47.8	44.9	41.2	31.4	60	13	15	16	17	19
Latin America and the Caribbean						Latin America and the Caribbean					
0-4	19.9	8.6	6.0	5.1	2.3	0	49	65	70	71	76
5-14	3.7	1.5	1.2	0.9	0.3	5	56	66	69	70	73
15-59	36.6	19.1	19.1	13.4	9.6	15	48	57	60	60	63
60-75	51.5	37.9	33.0	30.7	23.4	60	15	17	19	19	20
Middle Eastern crescent			20 H 20			Middle Eastern crescent					
0-4	30.1	15.0	11.1	9.4	4.4	0	38	56	61	63	71
5-14 15-59	6.8 50.1	2.5 26.5	1.9 20.1	1.5 19.3	0.7 14.0	5 15	49	60	63	65	69
60-75	59.2	46.7	42.0	39.4	31.0	60	42 13	52 15	55 17	56 17	60 19
Formerly socialist economies of Europe (FSE)		a.				Formerly socialist economies of Europe (FSE)					
0-4	12.8	3.0	2.2	1.9	0.9	0	59	71	72	74	78
5-14	2.4	0.5	0.4	0.3	0.1	5	63	68	69	70	74
15-59	22.3	20.2	19.7	13.3	8.9	15	54	58	59	60	64
60-75	54.8	38.9	36.3	32.8	22.1	60	16	18	18	19	21
Established market economies (EME)						Established market economies (EME)					
0-4	6.0	1.7	1.1	1.0	0.6	0	65	74	76	77	81
5-14	1.0	0.3	0.3	0.2	0.1	5	65	71	72	73	77
15-59	20.7	11.4	10.7	9.3	6.4	15	55	61	62	63	67
60-75 FSE and EME	43.1	31.1	27.6	24.9	16.5	60 FSE and EME	17	19	20	20	22
0-4	0.4	2.1	1 5	1.2	0.7	200 M 20 7 17 17 17		70	75	77	01
0-4 5-14	8.4 1.5	2.1 0.4	1.5 0.3	1.3 0.2	0.7 0.1	0 5	64 65	73 70	75 71	76 72	81 76
15-59	21.2	15.0	13.7	10.6	7.2	15	55	60	61	62	66
60-75	47.0	33.7	30.4	27.5	18.3	60	17	19	19	20	22
Demographically developing group						Demographically developing group					
0-4	28.6	13.5	10.6	9.5	4.9	0	40	59	63	65	71
5-14	5.7	2.6	2.2	1.6	0.8	5	50	62	64	66	69
15-59	46.7	26.7	23.5	21.9	15.3	15	43	53	55	56	60
60-75	60.3	46.7	43.8	40.4	32.6	60	13	16	17	17	19
World				V SOMEONE REPORTS	TANK BERTANDAN TANK	World	**************************************	·			LIEU TO GEORGIA
0-4 5-14	24.8 4.7	12.0 2.1	9.6 1.9	8.7	4.5	0	48	62	65	67	73
5-14 15-59	40.6	2.1 24.7	20.7	1.5 19.7	0.8 11.7	5 15	55 4 7	64 55	66 56	67 57	70 61
60-75	56.0	40.1	40.1	38.8	31.0	60	14	55 17	56 17	57 17	19

Table A.6 Nutrition and health behavior

	Percentage of chi Stunting, 1980–90 (ages 24–59	ldren affected by: Wasting, 1980–90 (ages 12–23	Percentage of children fully breastfed, 1985–90	Prevalence of anemia in pregnant women, 1970s and 1980s (percentage below the norm for	(kilogram	onsumption p s per capita i population)	
Region and economy	months)a	months)a	(ages 0-3 months) a	hemoglobin) a	1974-76	1990	2000
Sub-Saharan Africa	39 w	10 w	63 w	41 w			
Mozambique		٠.		58	0.5	0.4	0.4
Tanzania Î	46	5		80	0.8	0.6	0.6
Ethiopia	43	19		6			
Uganda	45	2	76	1.1			
Burundi	48	6	98	68	• •	• •	
Chad	13	17	• •	37	• •	• •	• •
Madagascar	56 43	17 14	• •	 45	• •	• •	• •
Sierra Leone Malawi	43 61	8	• •	45 49	0.5	0.4	0.4
Rwanda	34	1	• •	•••	• •		
Mali	24	11	82	65	• •		
Burkina Faso	28	11		24	• • •		
Niger	38	23		47			
Nigeria	43	9	61	43	0.4	0.4	0.3
Kenya	32	5	48	<i>57</i>			
Benin				<i>55</i>			
Central Africa Rep.				67			٠.
Ghana	30	8	81	64			
Togo	29	6	60	47	• •		
Guinea		• :	<u>;</u> ;		o; ÷		
Zimbabwe	31	2	56	24	0.7	0.6	0.6
Côte d'Ivoire	20	17	• •	34	1.3	1.0	1.0
Senegal	25 43	6 2	77 70	55 8	• •	• •	• •
Cameroon South Africa	43 53	10		28	2.3	1.4	i. i
Somalia	30	40	• •	73			
Zaire	27	3	64	42	0.8	0.5	0.5
Sudan	32	13	84	36	• •	• •	• •
Zambia	59	10	72	34		• •	• • •
Angola			· ·	29		• • •	
India	65	27	A may	88	0.8	0.8	0.9
The state of the s		Water Contractive Management of the Contractive Williams o	· ·	THE RESERVE THE PARTY OF THE PA	The same of the sa	PROPERTY OF STREET	**
China	41	8	• •	25	1.6	2.6	2.9
Other Asia and islands	53 w	11 w		58 w	1.6 w	1.7 w	1.8 u
Nepal	69	14	and the state of t	33			
Cambodia	• • •		• •		• •	• •	• •
Bangladesh	65	16	• • •	51	1.1	0.9	1.0
Lao PDR	44	20		62	• •	• •	
Sri Lanka	27	13	79	62			
Indonesia	67	9	45	74	1.0	1.4	1.6
Philippines	43	13		48	1.5	1.5	1.7
Papua New Guinea	47	10					
Thailand	22	6	33	52	2.4	2.0	2.0
Malaysia	32	6	• •	34	1.5	1.8	2.1
Korea, Rep.	18	2	• •	• •	2.4	2.9	3.5
Hong Kong		• <u>:</u>	• •		2.0	1.6	1.8
Singapore	10	7	• •	18 50	6.3	3.4	3.2
Myanmar Viet Nam	50 49	11 12	• •	58	3.0 0.6	3.0 1.0	3.1 1.1
Korea, Dem. People's Rep.			• •	• •	4.3	4.0	3.9
	• •				4.0	7.0	3.3
Latin America and the Caribbean	26 w	5 w	41 w	35 w	2.0 w	1.6 w	1.7 u
Nicaragua	22	Ō					
Haiti	51	17		64			
Honduras	34	2					
Bolivia	38	2	75	36		• •	
Guatemala _	57	13	1.2				
Dominican Rep.	19	1	42	*.1	0.8	1.1	1.1
Ecuador	39	4 .	54	46			
Peru	37	2	58	53			
El Salvador	36	6		14	1.2	0.9	0.9
Colombia	23	1	40	24	1.9	2.0	2.3
Paraguay	17	0	• •	63	1.9	0.9	0.9
Chile	10	1	• •	20	1.3	0.9	1.0
Venezuela	7	4	• •	29	1.8	1.5	1.7
Argentina	16	• •	• •	• •	3.1	1.9	1.9
Uruguay Brazil	29	6	34	34	2.1	1.8	1.9
Mexico	22	6	44	41	1.4	1.0	1.1
Puerto Rico			**	**	1.4		5.0

	Percentage of chil		Percentage of	Prevalence of anemia in pregnant women, 1970s and	Tobacco consumption per year (kilograms per capita in adult			
Region and economy	Stunting, 1980–90 (ages 24–59 months) ^a	Wasting, 1980-90 (ages 12-23 months) ^a	children fully breastfed, 1985–90 (ages 0–3 months) ²	1980s (percentage below the norm for hemoglobin) ^a		s per capita i population) 1990	2000	
	-	months).		- 200 - 773			7	
Middle Eastern crescent	FO.		25	 E 7	1.4	1.7	1.0	
Pakistan	50	9 15	25 15	57	1.4	1.7	1.9	
/emen, Rep.	31	1	66	47	1.0	1.8	1.8	
Egypt Morocco	25	4	66	46	1.3	1.7	1.9	
Tajikistan		•						
ordan	20	3	32	50				
yrian Arab Rep.				52	3.7	3.2	3.3	
J zbe kistan								
unisia	18	3	60	<i>38</i>				
Kyrgyzstan	• •	• •	• •	• •	• •	• •		
Georgia	• •	• •	• •	• •	• •	• •		
Azerbaijan	• •	• •	• •	• •	• •	• •	• •	
urkmenistan	• •	• •	• •	 74	2.5	2.2	2.3	
Turkey Algeria	13	4	• •	42	1.8	1.9	2.1	
Armenia		•	• •	**	1.0			
ran	 55	23	• •	28	1.1	0.9	0.9	
Kazakhstan			• •					
Saudi Arabia	••			24	1.5	2.0	2.1	
srael				25	2.1	2.4	2.4	
Afghanistan					· ·		<i>:</i> :	
raq		• •		• •	1.7	3.0	2.9	
Libya		• •		• •				
Formerly socialist economies of Europe (FSE)								
Romania					2.0	2.0	2.0	
Poland				16	3.4	3.5	3.7	
Bulgaria		• •		• •	3.6	4.1	4.3	
Moldova	• •	• •	• •	• •		• •		
Jkraine Ezechoslovakia ^b	• •	• •	• •	23	2.0	2.5	2.6	
Lithuania	• •	• •	• •		2.0	2.3	2.0	
lungary	• •	• •	• •	• •	2.9	3.3	3.6	
Belarus	• •	• •	• •	• •				
Russian Federation	• •							
Albania								
Yugoslavia ^c	4	1			2.5	2.5	2.8	
Established market		para construction to	. , , , , , , , , , , , , , , , , , , ,					
economies (EME)				15 w	3.2 w	2.4 w	2.0 v	
Portugal					1.3	1.9	2.0	
Greece				24	3.2	3.0	3.3	
reland	• :	• :	• •	• •	3.2	2.4	2.1	
New Zealand	3	1	• •	22 9	3.2 2.5	2.1 2.4	1.9 2.6	
Spain United Kingdom	2	i	• •	19	2.6	1.9	1.6	
Únited Kingdom Australia	2		• •	8	2.9	2.0	1.7	
Italy	2	i	• •	10	2.2	1.9	2.0	
Netherlands		• •	• •	18	3.8	3.0	2.7	
Belgium	• • •	• •	• •	6	3.5	2.9	2.7	
Austria					2.3	2.1	1.9	
France	6	0		18	2.8	2.3	2.1	
Canada	5	1			3.8	2.6	2.2	
United States	2	2	• •	17	3.8	2.6	2.2	
Germany	• •	• •	• •	12	3.2	2.3	2.1	
Denmark	• •	• •	• •	• •	3.5	2.6	2.3	
Finland	• •	• •	• •	• •	2.2 2.3	1.6 2.0	1.4 1.9	
Norway Sweden	• •	• •	• •	• •	2.3 1.9	2.0 1.5	1.3	
apan	4	• •	• •	• •	3.5	2.4	1.9	
Switzerland	*	• • •		• •	3.7	2.9	2.3	
FSE and EME	4 w	3 w		4 w	2.9 w	2.2 w	1.8	
Demographically					A toda 2 social de deservicios	and the second s	OFFICE OF THE PARTY OF THE PART	
developing group	46 w	13 w	47 w	49 w	1.4 w	1.7 w	1.9 v	
World	42 w	12 w		42 w	1.7 w	1.9 w	1.9 v	
		AND SECURITION OF THE PERSON O	The state of the s	The second secon				

<sup>a. Each value refers to one particular but not specified year within the time period denoted.
b. Refers to former Czechoslovakia because disaggregated data are not yet available.
c. Refers to former Socialist Federal Republic of Yugoslavia because disaggregated data are not yet available.</sup>

Table A.7 Mortality, by broad cause, and tuberculosis incidence

	Mortality rates b (deaths per 100,00	y major cause of death, 1985–9 O population, standardized for	90° age)	Annual incidence rat
Demographic region and economy	Communicable diseases and maternal and perinatal causes	Noncommunicable diseases	Injuries	of tuberculosis, 1990 (per 100,000 population)
Sub-Saharan Africa				220 w
Mozambique				189
anzania •				140
Ethiopia Jaanda		• •	, .	155
Jganda Burundi	• •		• •	300 367
Chad		. ,	::-	167
Madagascar				310
ierra Leone		• •		167
Malawi Swanda	• •	• •	• •	173 260
Mali		• •		289
urkina Faso				289
liger	• •	• •		144
ligeria Kenya	• •	• •		222 140
lenin	• •	• •		135
Central Africa Rep.	• •	• •		139
Shana -				222
ogo	• •		• • •	244 166
Guinea Gimbabwe	• •	• •	• •	166 207
Côte d'Ivoire		• •		196
enegal	• •			166
Cameroon				194
South Africa Somalia				250
aire	• •			222 333
udan				211
Zambia				345
Angola				225
ndia	470	761	97	220
China	117	696	88	166
Other Asia and islands				201 w
Vepal	• •		• •	167
Cambodia Bangladesh	• •	• •		235 220
angiauesh ao PDR				235
ori Lanka	232	459	194	167
ndonesia	• •			220
hilippines	• •			280
Papua New Guinea Thailand	• •	• •	• •	275 173
Malaysia				67
Koreá, Rep.	113	454	19 4	162
long Kong	71	354	28	140
Singapore	114	498	39	82 180
Myanmar /iet Nam	• •	• •		189 166
Corea, Dem. People's Rep.				162
atin America and the Caribbean	193 w	494 w	95 w	92 w
Nicaragua				110
-laiti				333
Honduras Bolivia	• •			133
Guatemala	595	523	113	335 110
Dominican Rep.	206	44 3	88	110
cuador	210	448	119	166
eru	327	392	53	250
El Salvador Colombia	202	385	201	110 67
Paraguay	•••			166
Chile	131	444	88	67
⁷ enezuela	151	449	110	44
Argentina	107	530 510	59	50 15
Jruguay Brazil	98	519	67	15 56
Mexico	168	490	102	110
ouerto Rico	78	447	59	8
Cuba	73	472	82	10

		y major cause of death, 1985–9 O population, standardized for		Annual insidense not
Demographic region and economy	Communicable diseases and maternal and perinatal causes	Noncommunicable diseases	Injuries	Annual incidence rat of tuberculosis, 1990 (per 100,000 population)
Middle Eastern crescent	116 w	619 w	72 w	99 w
Pakistan				150
Yemen, Rep.				<i>96</i>
Egypt			• •	<i>78</i>
Morocco				125
Tajikistan	182	558	53	133
Jordan				14
Syrian Arab Rep	.11			58
Uzbekistan	137	601	65	55
Tunisia	.11	.1:	1.:	55
Kyrgyzstan	124	651	95	68
Georgia	69	591	56	36
Azerbaijan	110	595	46	47
Turkmenistan	216	737	68	72
Turkey	• •			57
Algeria	1.2	_111	*.*	53
Armenia	60	580	66	127
Iran			400	83
Kazakhstan	86	700	103	77
Saudi Arabia	11	.1.1	::	22
Israel	64	444	53	12
Afghanistan	• •	• •	• •	278
Iraq	• •	• •	• •	111
Libya				12
Formerly socialist economies				
of Europe (FSE)	52 w	658 w	94 w	52 w
Romania	93	685	65	70
Poland	73	603	80	43
Bulgaria	73	619	64	30
Moldova	54	704	104	5 4
Ukraine	32	673	93	50
Czechoslovakia ^b	51	646	62	22
Lithuania	25	598	107	82
Hungary	55	690	90	38
Belarus	28	625	90	50 50
Russian Federation	47	704	115	56
Albania		704		40
Yugoslavia ^c	87	559	68	30
	07	557	00	30
Established market economies (EME)	47 w	416 w	49 w	20 w
Portugal	70	The second secon	78	
Greece	51	429 393		57 12
Greece Ireland	51 57	526	48 39	12 18
ireiand New Zealand	5/ 50	526 487	58	
New Zealand Spain	45	46/ 410	38 42	10 4 9
United Kingdom	49 49	478	31	10
Australia	31	424	48	6
Italy	38	425	39	25
Netherlands	40	416	36	9
Belgium	52	459	68	16
Austria	30	437	55	20
France	40	362	70	16
Canada	39	395	48	8
United States	54	447	58	10
Germany	35	468	4 5	18
Denmark	• •		4	7
Finland	43	450	76	15
Norway	52	399	53	8
Sweden	41	397	46	7
Japan	51	306	41	42
Switzerland	• •		**	18
FSE and EME	49 w	488 w	63 w	29 w
Demographically developing		200 00		
group	253 w	692 w	94 w	173 w
World	187 w	626 w	84 w	142 w

<sup>a. Each value refers to one particular but not specified year within the time period denoted.
b. Refers to former Czechoslovakia because disaggregated data are not yet available.
c. Refers to former Socialist Federal Republic of Yugoslavia because disaggregated data are not yet available.</sup>

Table A.8 Health infrastructure and services

	Doctors per		Hospital beds	Percentage of children immunized, age less than 1 year		
Demographic region and economy	1,000 population 1988–92ª	Nurse-to- doctor ratio, 1988–92ª	per 1,000 population, 1985–90°	Third dose of DPT, 1990–91ª	Measles 1990–91	
Sub-Saharan Africa	0.12 w	5.1 w	1.4 w	52 w	52 w	
Mozambique	0.02	13.1	0.9	19	23	
Tanzania Î	0.03	7.3	1.1	79	7 5	
Ethiopia	0.03	2.4	0.3	44	37	
Jganda	0.04	8.4	0.8	77	74	
Burundi	0.06	4.3 0.9	1.3	83	7 5	
Chad	0.03 0.12	3.5	0.9	18 46	28 33	
Madagascar Sierra Leone	0.12	5.0	1.0	46 75	33 74	
Malawi	0.02	2.8	1.6	81	78	
Rwanda	0.02	1.7	1.7	89	89	
Mali	0.05	2.5		35	40	
Burkina Faso	0.03	8.2	0.3	37	42	
Viger	0.03	11.3		18	24	
Vigeria	0.15	6.0	1.4	65	7 0	
Kenya	0.14	3.2	1.7	36	36	
Benin	0.07	5.8		67	70	
Central Africa Rep.	0.04	4.5	0.9	82	82	
Ghana Force	0.0 4 0.08	9.1 6.2	1.5	39 73	39 61	
Togo Guinea	0.08 0.02	6.2 4.3	1.6 0.6	73 4 1	61 39	
zuinea Zimbabwe	0.02 0.16	4.3 6.1	0.6 2.1	41 89	39 87	
Zimbabwe Zôte d'Ivoire	0.16	4.8	0.8	48	42	
Senegal	0.05	2.6	0.8	60	59	
Cameroon	0.08	6.4	2.7	56	56	
South Africa	0.61	4.5	4.1	67	63	
Somalia	0.07	7.1	0.8	18	30	
Laire	0.07	2.1	1.6	32	31	
Sudan	0.09	2.7	0.9	63	58	
Zambia	0.09	6.0		79	76	
Angola	0.07	16.4	1.2	26	39	
ndia	0.41	1.1	0.7	83	77	
China	1.37	0.5	2.6	95	96	
Other Asia and islands	0.31 w	3.0 w	1.8 w	81 w	78 w	
Vepal	0.06	2.7	0.3	74	63	
Cambodia	0.04	8.0	2.2	38	38	
Bangladesh	0.15	0.8	0.3	87	83	
ao PDR	0.23	5.9	2.5	22	47	
Bri Lanka	0.14	5.1	2.8	86	79	
ndonesia	0.14	2.8	0.7	86	80	
Philippines	0.12	3.1	1.3	88	85	
Papua New Guinea	0.08	8.1	3.4	64	63	
Thailand	0.20	5.5	1.6	69	60	
Malaysia	0.37	3.9	2.4	90	79	
Korea, Rep.	0.73	1.0	3.0	74 93	93	
Hong Kong	0.93 1.09	4.5 3.8	4.2 3.3	83 91	42 92	
Singapore Myanmar	0.08	3.8 4.0	3.3 0.6	69	73	
viyannur Viet Nam	0.35	4.9	3.3	85	73 85	
Korea, Dem. People's Rep.	2.72	4 .9	13.5	90	96	
Latin America and the Caribbean	1.25 w	0.5 w	2.7 w	71 w	75 w	
Vicaragua	0.60	0.5	1.8	71	54	
-laiti	0.14	0.8	0.8	41	31	
Honduras	0.32	1.0	1.1	94	86	
Bolivia	0.48	0.7	1.3	58	73	
Guatemala	0.44	2.5	1.7	63	48	
Dominican Rep.	1.08	0.7	2.0	47	69	
cuador	1.04	0.3	1.7	89	54	
Peru	1.03	0.9	1.5	71	59	
I Salvador	0.64	1.5	1.5	60	53	
Colombia	0.87	0.6	1.5	84	7 5	
Paraguay	0.62	1.7	1.0	79 01	74	
Chile	0.46	0.8	3.3	91 54	93	
Venezuela	1.55	0.5	2.9	54 84	54	
Argentina	2.99 2.90	0.2 0.2	4.8 4.6	84 88	99	
Jruguay Brazil	2.90 1.46	0.2 0.1	4.6 3.5	88 75	82 83	
Mexico	0.54	0.1	3.5 1.3	75 64	83 78	
	U.J 1	υ.υ	1.5	U ni	/0	
uerto Rico	2.55		4.0			

	Doctors per		Hospital beds	Percentage of child age less th	
Demographic region and economy	1,000 population 1988–92°	Nurse-to- doctor ratio, 1988–92ª	per 1,000 population, 1985–90°	Third dose of DPT, 1990–91ª	Measles 1990–91ª
Middle Eastern crescent	1.04 w	1.5 w	2.9 w	75 w	74 w
Pakistan	0.34	0.8	0.6	81	77
remen, Rep.	0.18	2.9	0.9	62	57
Egypt	0.77	1.2	1.9	86	89
Morocco	0.21	4.5	1.2	79	76
[ajikistan	2.71	2.8	10.6	89	89
ordan	1.54	0.3	1.9	92	85
Syrian Arab Rep. Jzbekistan	0.85 3.58	1.2 2.9	1.1 12.4	89 57	84 81
Janisia Tunisia	0.53	2.7	2.0	90	80
Kyrgyzstan	3.67	2.8	12.0	78	94
Georgia	5.92	2.2	11.1	65	74
Azerbaijan	3.93	2.4	10.2	89	91
Turkmenistan	3.57	2.8	11.3	<i>7</i> 8	68
Turkey	0.74	1.5	2.1	72	66
Algeria	0.26	4.7	2.6	89	83
Armenia	4.28	2.5	9.0	88	92
ran	0.32	1.1	1.5	88	84
Kazakhstan	4.12 1.52	3.0 1.5	13.6	84 94	94 90
Saudi Arabia	2.90	2.3	2.7 6.3	94 88	90 88
srael Afghanistan	0.11	0.8	0.3		
raq	0.58	1.2	1.6	69	73
Libya	1.04	2.9	4.1	62	59
	1101		212	-	0,
Formerly socialist					
economies of Europe (FSE)	4.07 w	2.2 w	11.4 w	77 w	86 w
				7.4	
Romania Poland	1.79 2.06		8.9 6.6	97 98	92 94
Bulgaria	3.19	2.1	9.8	99 99	97
Moldova	4.00	3.0	7.8	87	95
Jkraine	4.40	2.7	13.6	78	88
Czechoslovakia ^b	3.23	2.4	7.9	99	98
Lithuania				80	92
Hungary	2.98	1.1	10.1	100	100
Belarus	4.05		13.2	90	97
Russian Federation	4.69	_•_•	13.8	65	83
Albania	1.39	2.5	4.1	94	87
Yugoslavia ^c	2.63	1.9	6.0	79	75
Established market	•				
economies (EME)	2.52 w	2.1 w	8.3 w	80 w	77 w
Portugal	2.57	0.8	4.2	95	96
Greece	1.73	1.6	5.1	54	76
reland	1.58	4.7	3.9	65	78
New Zealand	1.74	0.1	6.6	81	82
Spain Inited Vinadom	3.60 1.40	1.1 2.0	4.8 6.3	73 85	84 89
United Kingdom Australia	2.29	3.8	5.6	90	68
taly	4.69	0.6	7.5	95	50 50
Vetherlands	2.43	3.4	5.9	97	94
Belgium	3.21	0.1	8.3	94	7 5
Austria	4.34	2.4	10.8	90	60
France	2.89	1.6	9.3	95	69
Canada	2.22	4.7	16.1	85	85
Inited States	2.38	2.8	5.3	67	80
Germany	2.73	1.7	8.7	80	90
Denmark	2.56	5.6	5.7	95 05	86
Finland	2.47 2.43	4.3	10.8 4.8	95 89	97 90
Norwa'y Sweden	2.43 2.73	4.4 3.4	4.8 6.2	89 99	90 95
apan	2.73 1.64	3.4 1.8	6.2 15.9	99 87	95 66
apan Switzerland	1.59	2.6	11.0	90	90
FSE and EME	3.09 w	2.1 w	9.3 w	79 w	80 w
Demographically	0.50	2.2		60	
developing group	0.78 w	0.9 w	2.0 w	80 w	79 w
World	1.34 w	1.4 w	3.6 w	80 w	79 w

Note: Regional totals and averages include relevant information for less populous countries, as listed in Table A.10, except for the indicator "percentage of children immunized."

a. Each value refers to one particular but not specified year within the time period denoted.

b. Refers to former Czechoslovakia because disaggregated data are not yet available.

c. Refers to former Socialist Federal Republic of Yugoslavia because disaggregated data are not yet available.

Table A.9 Health expenditure and total flows from external assistance

	Total health	expenditure	Healt	h expenditu	res as a	- Всосторя	ment assistance f		
	(official excl dolla		per	rcentage of C		Total aid flows		Aid flows as percentage o	
Demographic region and economy	Millions, 1990	Per capita, 1990	Total, 1990	Public sector, 1990	Private sector, 1990	in dollars, 1990 (millions)ª	Aid flows per capita, 1990	total health expenditure, 1990	
Sub-Saharan Africa	12,080 t	24 w	4.5 w	2.5 w	2.0 w	1,251 t	2.5 w	10.4 w	
Mozambique	85	5	5.9	4.4	1.5	45	2.9	52.9	
Tanzania [*]	109	4	4.7	3.2	1.5	53	2.1	48.3	
Ethiopia	229	4	3.8	2.3	1.5	43	0.8	18.8	
Uganda	95	6	3.4	1.6	1.8	46	2.8	48.4	
Burundi	36	7	3.3	1.7	1.6	15	2.8	42.7	
Chad	76	13	6.3	4.7	1.6	33	5.8	43.0	
Madagascar	79	7	2.6	1.3	1.3	17	1.5	21.5	
Sierra Leone	22	5	2.4	1.7	0.8	7	1.7	33.0	
Malawi Baranda	93 74	11	5.0	2.9	2.1	22	2.5	23.3	
Rwanda Mali	130	10 15	3.5	1.9	1.6 2.4	29 26	4.1	39.5	
Burkina Faso	219	24	5.2 8.5	2.8 7.0	2. 4 1.5	36 42	4.3 4.7	27.7 19.4	
Niger	126	16	5.0	3.4	1.6	42	5.6	34.0	
Nigeria	906	9	2.7	1.2	1.6	58	0.6	6.4	
Kenya	375	16	4.3	2.7	1.6	84	3.5	22.3	
Benin	79	17	4.3	2.8	1.6	33	7.0	41.8	
Central Africa Rep.	55	18	4.2	2.6	1.6	20	6.5	35.8	
Ghana	204	14	3.5	1.7	1.8	29	1.9	14.2	
Togo	67	18	4.1	2.5	1.6	14	3.9	21.0	
Guinea	106	19	3.9	2.3	1.6	20	3.5	23.8	
Zimbabwe	416	42	6.2	3.2	3.0	42	4.2	10.0	
Côte d'Ivoire	332	28	3.3	1.7	1.6	11	0.9	3.4	
Senegal	214	. 29	3.7	2.3	1.4	36	4.9	16.9	
Cameroon	286	24	2.6	1.0	1.6	38	3.3	13.4	
South Africa	5,671	158	5.6	3.2	2.4	2			
Somalia	60	8	1.5	0.9	0.6	27	3.5	45.6	
Zaire	179	5	2.4	0.8	1.5	48	1.3	26.7	
Sudan	300	12	3.3	0.5	2.8	39	1.5	13.0	
Zambia	117	14	3.2	2.2	1.0	6	0.7	4.9	
Angola						28	2.8		
India	17,740	21	6.0	1.3	4.7	286	0.3	1.6	
China	12,969	11	3.5	2.1	1.4	77	0.1	0.6	
Other Asia and islands	41,752 t	61 w	4.5 w	1.8 w	2.7 w	594 t	0.9 w	1.4 w	
Nepal Cambodia	141	7	4.5	2.2	2.3	33	1.8	23.6	
Bangladesh	715	 7	3.2	1.4	1.8	128	1.2	17.9	
Lao PDR	22	5	2.5	1.0	1.5	5	1.2	22.7	
Sri Lanka	305	18	3.7	1.8	1.9	26	1.5	7.4	
Indonesia	2,148	12	2.0	0.7	1.3	159	0.9	7.4	
Philippines	883	14	2.0	1.0	1.0	69	1.1	7.8	
Papua New Guinea	142	36	4.4	2.8	1.6	7	1.8	4.9	
Thailand	4,061	<i>7</i> 3	5.0	1.1	3.9	36	0.7	0.9	
Malaysia	1,259	67	3.0	1.3	1.7	. 3	0.1	0.2	
Korea, Rep.	16,130	377	6.6	2.7	3.9	32		0.2	
Hong Kong	4,060	699	5.7	1.1	4.6	• •			
Singapore	658	219	1.9	1.1	0.8	1	0.2	0.1	
Myanmar Vist Name	150	• :		<i>::</i>		12	0.3		
Viet Nam Korea, Dem. People's Rep	157	2	2.1	1.1	1.0	25 	0.4	15.9	
Latin America and the Caribbean	46,660 t	105 w	4.0 w	2.4 w	1.6 w	591 t	1.3 w	1.3 w	
Nicaragua	133	35	8.6	6.7	1.9	27			
Haiti	193	30	7.0	3.2	3.8	33	6.6	20.0	
Honduras	134	26	4.5	2.9	3.6 1.6		5.1 4.0	17.0	
Bolivia	181	25 25	4.0	2.4	1.6	20 37	4.0 5.1	15.1 20.3	
Guatemala	283	31	3.7	2.1	1.6	32	3.4	20.3 11.1	
Dominican Rep.	263	37	3.7	2.1	1.6	11	3.4 1.5	4.1	
Ecuador	441	43	4.1	2.6	1.6	31	3.0	7.0	
Peru	1,065	49	3.2	1.9	1.3	29	1.4	2.7	
El Salvador	317	61	5.9	2.6	3.3	44	8.5	13.9	
Colombia	1,604	50	4.0	1.8	2.2	26	0.8	1.6	
Paraguay	160	37	2.8	1.2	1.6	10	2.4	6.4	
Chile	1,315	100	4.7	3.4	1.4	10	0.7	0.7	
Venezuela	1,747	89	3.6	2.0	1.6	2	0.1	0.1	
Argentina	4,441	138	4.2	2.5	1.7	11	0.3	0.2	
Uruguay	383	124	4.6	2.5	2.1	5	1.7	1.4	
Brazil	19,871	132	4.2	2.8	1.4	84	0.6	0.4	
Mexico	7,648	89	3.2	1.6	1.6	65	0.8	0.9	
Puerto Rico									
Cuba						3	0.3		

Part		Total haalib	vnonditus	Uacli	h avmandit	100 00 0	Development assistance for health			
Demographic region and economy Millions Per captus Totals Sector Sector 1990 Per captus Percaptus Percaptu		(official excl	hange rate		centage of G	DP		Aid Same	percentage of	
Pakistan Pak	Demographic region and economy				sector,	sector,	1990	per capita,	expenditure,	
Pakistan 1,394 12 3.4 1.8 1.6 76 0.7 5,4 ferenen, Rep. 217 19 3.2 1.5 1.7 25 2.2 11.6 287 297 18 2.2 11.6 287 297 291 18 2.6 1.0 1.6 111 2.1 12.1 12.1 12.1 12.1 12.1 12	Middle Eastern crescent	38,961 t	77 w	4.1 w	2.4 w	1.7 w	453 t	0.9 w	1.2 w	
Femers Paper Pap	Pakistan	1,394	12	3.4	1.8	1.6	76	0.7		
Sypt	remen, Rep.	217		3.2						
Morecco		921	18	2.6	1.0	1.6				
ordan 149					0.9	1.6	20	0.8		
yoyan Arab Rep. 283 23 21 0.4 1.6 20 1.6 2.3 1.6 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2										
Lunisia							20	1.6	7.1	
Syrgystalan 517 118 5.0 3.3 1.6										
Secretaria Sago 152	_								3.0	
Averbaigin										
Furner of the property of the										
Turkey 4, 281 76 4.0 1.5 2.5 2.5 2.3 0.4 0.5 18, 28 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0										
Ngeria 4,159 166 7,0 5,4 16 2 0.1 0.1 0.1 Armenia 506 152 4.2 2,5 1.7										
Armenia 506 152 4,2 2,5 1,7										
ram										
Gazakhstan (azakhstan abudu Arabia) 4,784 a 322	ran									
audi Arabia	Kazakhstan	2,572	154							
srael (2,301 494 4.2 2.1 2.1 3 0.6 0.1 Infaprimistra	Saudi Arabia	4,784	322	4.8						
Afghanistan		2,301	494	4.2	2.1					
Tarily in the proper (FSE)										
Europe (FSE)										
Europe (FSE)	Libya									
Europe (FSE)	formerly socialist economies of	Val.								
Poland 3157 83 5.1 4.1 1.0	Europe (FSE)	49,143 t	142 w	3.6 w	2.5 w	1.0 w				
Poland 3,157 83 5.1 4.1 1.0 Initial Polar	Romania	1,455	63	3.9	2.4	1.5				
hulgaria diodiova 623 143 5.4 4.4 1.0	Poland	3,157	83	5.1	4.1					
Moldova 623 143 3.9 2.9 1.0		1,154	131	5.4	4.4	1.0				
Skraine 6,803 131 3,3 2,3 1,0			143	3.9	2.9	1.0				
Zechoslovakia Z.711		6,803	131	3.3	2.3	1.0				
Hungary 1, 958 185 60 50 0.9 lesterus 1, 958 185 60 50 0.9 lesterus 1, 958 185 60 50 0.9 lesterus 1, 1613 187 3.0 2.0 1.0 lbaria 84 26 4.0 3.4 0.6 lesterus 1, 1613 187 3.0 4.0 1.0 lbaria 84 26 4.0 3.4 0.6 lesterus 1, 1613 187 3.0 4.0 1.0 lesterus 1, 1613 187 3.0 lesterus 1,					5.0	0.9				
Selarus	_					1.0				
Russian Federation 23,527 157 3.0 2.0 1.0										
Albania Auguslavia* 4,512 205 3,0 4,0 1,0 3,4 0,6 Auguslavia* 4,512 205 3,0 4,0 1,0 3,4 0,6 Auguslavia* 4,512 205 3,0 4,0 1,0 3,4 0,6 Auguslavia* 4,512 205 3,0 4,0 1,0 3,5 w Certugal 3,970 383 7,0 4,3 2,7 Certugal 3,970 383 7,0 4,3 2,7 Certugal 3,968 876 7,1 5,8 1,4 Certugal 3,150 925 7,2 5,9 1,3 Certugal 3,150 925 7,2 5,9 1,3 Certugal 3,150 925 7,2 5,9 1,3 Certugal 4,14 Certugal 3,150 925 7,2 5,9 1,3 Certugal 4,14 Certuga							• •			
Agoslavia 4,512 205 3.0 4.0 1.0										
(EME) 1,483,196 t 1,860 w 9.2 w 5.6 w 3.5 w										
CeME 1,483,196 t		4,312	205	3.0	4.0	1.0				
Portugal 3,970 383 7.0 4.3 2.7		1.483.196 t	1.860 w	92 w	5 6 w	3 5 w				
Freece 3,609 358 5.5 4.2 1.3						152				
reland 3,068 876 7.1 5.8 1.4										
New Zealand 3,150 925 7.2 5.9 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	reland									
Spain 32,375 831 6.6 5.2 1.4	New Zealand	3,150	925						• •	
Date Company		32,375	831	6.6	5.2					
taly 82,214 1,426 7.5 5.8 1.7 Netherlands 22,423 1,500 7.9 5.7 2.2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8						0.9				
Retherlands 22,423 1,500 7.9 5.7 2.2 Retherlands 22,423 1,501 8.3 5.5 2,8 Retherlands 25,467 1,869 8.9 6.6 2.3 Retherlands 251,594 1,945 9.1 6.8 2.4 R			1,331	7.7	5.4	2.3				
legium 14,428 1,449 7.5 6.2 1.3 Lustria 13,193 1,711 8.3 5.5 2.8 France 105,467 1,869 8.9 6.6 2.3 Linited States 690,667 2,763 12.7 5.6 7.0 Germany 120,072 1,511 8.0 5.8 2.2 Denmark 8,160 1,588 6.3 5.3 1.0 Liniand 10,200 2,046 7.4 6.2 1.2 Lorway 7,782 1,835 7.4 7.0 0.3 Lorway 7,782 1,835 7.4 7.0 0.3 Lorway 7,782 1,835 7.4 7.0 0.3 Lorway 189,930 1,538 6.5 4.8 1.6 Lorwitzerland 16,916 2,520 7.5 5.1 2.4 Demographically developing Beroup 170,115 t 41 w 4.7 w 2.3 w 2.5 w 3,252 t 0.8 w 1.9 w						1.7				
Austria 13,193 1,711 8.3 5.5 2.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
Trance 105,467 1,869 8.9 6.6 2.3										
Canada 51,594 1,945 9.1 6.8 2.4 United States 690,667 2,763 12.7 5.6 7.0 Germany 120,072 1,511 8.0 5.8 2.2 Denmark 8,160 1,588 6.3 5.3 1.0 Ginland 10,200 2,046 7.4 6.2 1.2 Gorway 7,782 1,835 7.4 7.0 0.3 Gweden 20,055 2,343 8.8 7.9 0.9 Gapan 189,930 1,538 6.5 4.8 1.6 Gwitzerland 16,916 2,520 7.5 5.1 2.4 SE and EME 1,532,340 t 1,340 w 8.7 w 5.4 w 3.4 w Demographically developing group 170,115 t 41 w 4.7 w 2.3 w 2.5 w 3,252 t 0.8 w 1.9 w										
United States 690,667 2,763 12.7 5.6 7.0							• •			
Permany 120,072 1,511 8.0 5.8 2.2								• •		
Denmark 8,160 1,588 6.3 5,3 1.0 Sinland 10,200 2,046 7.4 6.2 1.2 Storway 7,782 1,835 7.4 7.0 0.3 sweden 20,055 2,343 8.8 7.9 0.9 apan 189,930 1,538 6.5 4.8 1.6 switzerland 16,916 2,520 - 7.5 5.1 2.4 SE and EME 1,532,340 t 1,340 w 8.7 w 5.4 w 3.4 w Demographically developing group 170,115 t 41 w 4.7 w 2.3 w 2.5 w 3,252 t 0.8 w 1.9 w							• •			
Sinland 10,200 2,046 7.4 6.2 1.2	2						• •	• •	• •	
Norway 7,782 1,835 7.4 7.0 0.3								• •	• •	
weden 20,055 2,343 8.8 7.9 0.9 apan 189,930 1,538 6.5 4.8 1.6 witzerland 16,916 2,520 - 7.5 5.1 2.4 SE and EME 1,532,340 t 1,340 w 8.7 w 5.4 w 3.4 w Demographically developing group 170,115 t 41 w 4.7 w 2.3 w 2.5 w 3,252 t 0.8 w 1.9 w								• •		
apan 189,930 1,538 6.5 4.8 1.6 witzerland 16,916 2,520 - 7.5 5.1 2.4 SE and EME 1,532,340 t 1,340 w 8.7 w 5.4 w 3.4 w Demographically developing group 170,115 t 41 w 4.7 w 2.3 w 2.5 w 3,252 t 0.8 w 1.9 w										
Witzerland 16,916 2,520 7.5 5.1 2.4 SE and EME 1,532,340 t 1,340 w 8.7 w 5.4 w 3.4 w Demographically developing group 170,115 t 41 w 4.7 w 2.3 w 2.5 w 3,252 t 0.8 w 1.9 w										
SE and EME 1,532,340 t 1,340 w 8.7 w 5.4 w 3.4 w Demographically developing group 170,115 t 41 w 4.7 w 2.3 w 2.5 w 3,252 t 0.8 w 1.9 w										
Demographically developing group 170,115 t 41 w 4.7 w 2.3 w 2.5 w 3,252 t 0.8 w 1.9 w	SE and EME	1,532,340 t	1,340 w	8.7 w	5.4 w	3.4 w				
		170 115 +								
	or	170,113 (41 W	4./ W	2.5 W	2.5 W	3, 23 2 t	0.8 W	1.9 W	

Note: Regional totals and averages include relevant information for less populous countries, as listed in Table A.10.
a. Aid flows are official development assistance and include only a small portion of private flows, that is NGO assistance.
b. Refers to former Czechoslovakia because disaggregated data are not yet available.
c. Refers to former Socialist Federal Republic of Yugoslavia because disaggregated data are not yet available.

 Table A.10 Economies and populations by demographic region, mid-1990

 (population in thousands)

Nigeria	conomies)	<u>' </u>	510,271	Latin America and the C	Laribbean (continued)	
	96,203 51,180	Burkina Faso Malawi	9,016 8,507	Less than 3 million pop	ulation		
Ethiopia Zaire	37,320	Mali	8,460	Costa Rica	2,807	St. Vincent	107
South Africa	35,919	Zambia	8,111	lamaica	2,420	French Guiana	9
Sudan	25,188	Somalia	7,805	Panama	2,420	Grenada	9
				Trinidad and Tobago	1,236	Antigua and Barbuda	79
[anzania	24,517	Niger	7,666 7,404	Guyana	798	Dominica	72
Kenya Janada	24,160 16,330	Senegal	7,404	Suriname	447	Aruba	66
Jganda Manamhiana		Rwanda	7,118 5,717	Guadeloupe	387	St. Kitts and Nevis	4(
Mozambique	15,707	Guinea		Martinique	360	Cayman Islands	2.
Ghana	14,870	Chad 1	5,680	Barbados	257	British Virgin Islands	13
Côte d'Ivoire	11,902	Burundi	5,427		257		1:
Cameroon	11,739	Benin	4,740	Bahamas, The	255 189	Montserrat	
Madagascar	11,673	Sierra Leone	4,136	Netherlands Antilles		Turks and Caicos Island	
Angola	10,012	Togo	3,638	Belize	188	Anguilla	
Zimbabwe	9,805	Central Africa Republic	3,035	St. Lucia Virgin Islands (U. S.)	150 110	Falkland/Malvinas Islar	nds :
ess than 3 million popul							
Liberia	2,561	Comoros	475	Middle Eastern crescent	t (34 econor	mies)	503,07
Congo	2,276	Djibouti	427	Pakistan	112,351	Yemen, Rep.	11,28
Mauritania	1,969	Equatorial Guinea	417				8,06
Namibia 💮 💮 💮	1,780	Cape Verde	371	Turkey	56,098	Tunisia	
_esotho	1,768	São Tomé and Principe	117	lran	55,779	Azerbaijan	7,14
Botswana	1,254	Mayotte	73	Egypt	52,061	Georgia	5,46
Gabon	1,136	St. Helena	6	Morocco	25,091	Tajikistan	5,30
Guinea-Bissau	980	Ascencion	ĭ	Algeria	25,056	lsrael	4,65
Sambia, The	875	Tristan da Cunha	0.3	Uzbekistan	20,532	Libya	4,54
Swaziland	797		3.0	Afghanistan	20,445	Kyrgyzstan	4,39
	,,,			lraq	18,914	Turkmenistan	3,66
				Kazakhstan	16,746	Armenia	3,32
ndia			849,515	Saudi Arabia	14,870	Jordan	3,09
			017,515	Syrian Arab Rep.	12,360	,014411	5,57
China			1,133,698	Less than 3 million pop	ulation		
Other Asia and islands (4	49 econom	ies)	682,533	Lebanon	2,681	Gaza Strip	588
<u>:</u>				Kuwait	2,143	Bahrain	50
	178,232	Nepal	18,916	United Arab Emirates	1,592	Qatar	439
	106,656	Malaysia	17,857	Oman	1,554	Malta	35
Viet Nam	66,312	Sri Lanka	17,002	West Bank	1,088	Western Sahara	17
Philippines	61,480	Cambodia	8,469	Cyprus	702	Western Sunuru	
Thailand	55,853	Hong Kong	5,806	Сургаз	702		
Korea, Rep.	42,797	Lao PDR	4,186				
		Papua New Guinea	3.915	Demographically devel	oping grou	p (180 economies)	4,123,38
Myanmar [*]	41,609	Papua New Guinea Singapore	3,915 3,003	Demographically devel	oping grou	p (180 economies)	4,123,38
Myanmar [*] Korea, Dem. People's Rep.	41,609	Papua New Guinea Singapore	3,915 3,003	Formerly socialist econo		•	
Myanmar [*] Korea, Dem. People's Rep. Taiwan, China	41,609 . 21,576 20,313			Formerly socialist econo	omies of Eu	rope (14 economies)	346,23
Myanmar [*] Korea, Dem. People's Rep. Taiwan, China	41,609 . 21,576 20,313			Formerly socialist econo Russian Federation	omies of Eu	rope (14 economies) Hungary	346,23 10,55
Myanmar Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul	41,609 . 21,576 20,313 lation	Singapore	3,003	Formerly socialist econo Russian Federation Ukraine	omies of Eu 148,255 51,860	rope (14 economies) Hungary Belarus	346,23 10,55 10,27
Myanmar Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia	41,609 . 21,576 20,313 lation 2,124	Singapore Kiribati	70	Formerly socialist econo Russian Federation Ukraine Poland	omies of Eu 148,255 51,860 38,180	rope (14 economies) Hungary Belarus Bulgaria	346,23 10,55 10,27 8,82
Myanmar Korea, Dem. People's Rep. Iaiwan, China Less than 3 million popul Mongolia Bhutan	41,609 . 21,576 20,313 lation 2,124 1,433	Singapore Kiribati Seychelles	3,003 70 68	Formerly socialist econo Russian Federation Ukraine Poland Romania	omies of Eu 148,255 51,860 38,180 23,199	trope (14 economies) Hungary Belarus Bulgaria Moldova	346,23 10,55 10,27 8,82 4,36
Myanmar Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius	41,609 21,576 20,313 lation 2,124 1,433 1,074	Singapore Kiribati Seychelles Marshall Islands	70 68 41	Formerly socialist econo Russian Federation Ukraine Poland Romania Yugoslavia ^a	omies of Eu 148,255 51,860 38,180 23,199 23,808	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania	346,23 10,55 10,27 8,82 4,36 3,73
Myanmar Korea, Dem. People's Rep. Taiwan, China Less than 3 million popul Mongolia Mongolia Mauritius Fiji	41,609 21,576 20,313 lation 2,124 1,433 1,074 744	Singapore Kiribati Seychelles Marshall Islands American Samoa	3,003 70 68 41 39	Formerly socialist econo Russian Federation Ukraine Poland Romania	omies of Eu 148,255 51,860 38,180 23,199	trope (14 economies) Hungary Belarus Bulgaria Moldova	346,23 10,55 10,27 8,82 4,36 3,73
Myanmar Korea, Dem. People's Rep. Taiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593	Singapore Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan	70 68 41 39 ds 23	Formerly socialist econo Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b	omies of Eu 148,255 51,860 38,180 23,199 23,808 15,662	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania	346,23 10,55 10,27 8,82 4,36 3,73
Myanmar Korea, Dem. People's Rep. Taiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands	70 68 41 39 ds 23 19	Formerly socialist econo Russian Federation Ukraine Poland Romania Yugoslavia ^a	omies of Eu 148,255 51,860 38,180 23,199 23,808 15,662	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania	346,23 10,55 10,27 8,82 4,36 3,73
Myanmar [*] Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Solomon Islands	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316	Singapore Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa	70 68 41 39 ds 23 19 cific 18	Formerly socialist econo Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop	148,255 51,860 38,180 23,199 23,808 15,662	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania	346,23 10,55 10,27 8,82 4,36 3,73 3,25
Myanmar (Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Montan Mauritius Reunion Macao Solomon Islands Brunei	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands	3,003 70 68 41 39 ds 23 19 cific 18 ds 14	Formerly socialist econo Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b	omies of Eu 148,255 51,860 38,180 23,199 23,808 15,662	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania	346,23 10,55 10,27 8,82 4,36 3,73 3,25
Myanmar Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Brunei Maldives	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214	Singapore Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa	3,003 70 68 41 39 ds 23 19 cific 18 ds 14	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia	148,255 51,860 38,180 23,199 23,808 15,662 sulation 2,686	trope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania	346,23 10,55 10,27 8,82 4,36 3,73 3,25
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Joomon Islands Brunei Maldives	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan	3,003 70 68 41 39 ds 23 19 cific 18 ds 14	Formerly socialist econo Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop	148,255 51,860 38,180 23,199 23,808 15,662 sulation 2,686	trope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania	346,23 10,55 10,27 8,82 4,36 3,73 3,25
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Golomon Islands Brunei Maldives French Polynesia	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru	3,003 70 68 41 39 ds 23 19 cific 18 ds 14	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia	omies of Eu 148,255 51,860 38,180 23,199 23,808 15,662 oulation 2,686 nomies (35	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58
Myanmar Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Solomon Islands Brunei Maldives French Polynesia New Caledonia	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue	3,003 70 68 41 39 ds 23 19 ciffic 18 ds 14 9 9	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslaviaa Czechoslovakiab Less than 3 million pop Latvia Established market eco United States	omies of Eu 148,255 51,860 38,180 23,199 23,808 15,662 culation 2,686 nomies (35 249,975	Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Solomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa	41,609 . 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan	148,255 51,860 38,180 23,199 23,808 15,662 sulation 2,686 nomies (35) 249,975 123,519	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Foolomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Vanuati	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 165	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2 2 2	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany	148,255 51,860 38,180 23,199 23,808 15,662 sulation 2,686 nomies (35 249,975 123,519 79,484	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Shutan Mauritius Siji Reunion Macao Golomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Vanuatu Guam	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 165	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2 2 2 2	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy	omies of Eu 148,255 51,860 38,180 23,199 23,808 15,662 oulation 2,686 nomies (35 249,975 123,519 79,484 57,663	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria	346,23 10,55 10,27 8,822 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55 7,71
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Folomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Wanatu Guam Fed. States of Micronesia	41,609 . 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 151 137 a 103	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2 2 2 1	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslaviaa Czechoslovakiab Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom	148,255 51,860 38,180 23,199 23,808 15,662 vulation 2,686 nomies (35 249,975 123,519 79,484 57,663 57,395	Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55 7,711 6,71
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Folomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 165	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2 2 2 2	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France	148,255 51,860 38,180 23,199 23,808 15,662 vulation 2,686 nomies (35 249,975 123,519 79,484 57,663 57,395 56,440	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55 7,71 6,71 5,14
Myanmar Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Golomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia	41,609 . 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 151 137 a 103	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2 2 2 1	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain	omies of Eu 148,255 51,860 38,180 23,199 23,808 15,662 oulation 2,686 nomies (35 249,975 123,519 79,484 57,663 57,395 56,440 38,959	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55 7,71 6,71 5,14 4,98
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Ayanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Folomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Januatu Guam Fied. States of Micronesia Tonga Matin America and the Cale	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 151 137 a 103 99	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island Pitcairn Island	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 2 2 2 1 0.1	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada	pomies of Eu 148,255 51,860 38,180 23,199 23,808 15,662 pulation 2,686 nomies (35) 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55 7,71 6,71 5,14 4,98 4,24 3,50
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Folomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia Tonga Latin America and the Call Brazil	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 151 137 a 103 99	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Wake Island Johnston Island Pitcairn Island 46 economies) Bolivia	3,003 70 68 41 39 ds 23 19 ciffic 18 ds 14 9 9 1 2 2 1 0.1	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada Australia Netherlands	148,255 51,860 38,180 23,199 23,808 15,662 valiation 2,686 nomies (35) 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522 17,085 14,943	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway Ireland	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55 7,71 6,71 5,14 4,98 4,24 3,50
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Myanmar Corea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Folomon Islands French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia Tonga Latin America and the Calerazil Mexico Colombia Argentina Peru	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 165 151 137 a 103 99 aribbean (150,368 86,154 32,345 32,293 21,663	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island Pitcairn Island 46 economies) Bolivia Dominican Rep. Haiti El Salvador Honduras	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 1 0.1 444,297 7,171 7,074 6,472 5,213 5,105	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada Australia Netherlands Portugal Less than 3 million pop Luxembourg	148,255 51,860 38,180 23,199 23,808 15,662 valiation 2,686 nomies (35 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522 17,085 14,943 10,354 valiation 378	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway Ireland New Zealand Andorra	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 7,71 6,71 6,71 4,98 4,24 3,50 3,40
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Folomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia Tonga Latin America and the Cale Brazil Mexico Colombia Argentina Peru Venezuela	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 165 165 165 165 165 165 165 165	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island Pitcairn Island Pitcairn Island Bolivia Dominican Rep. Haiti El Salvador Honduras Paraguay	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2 2 2 1 0.1 4444,297 7,171 7,074 6,472 5,213 5,105 4,314	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada Australia Netherlands Portugal Less than 3 million pop Luxembourg Iceland	Domies of Eu 148,255 51,860 38,180 23,199 23,808 15,662 Julation 2,686 Domies (35) 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522 17,085 14,943 10,354 Julation 378 255	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway Ireland New Zealand Andorra Gibraltar	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,555 7,711 6,71 5,14 4,98 4,24 3,50 3,40
Myanmar Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Solomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia Tonga Latin America and the Cale Brazil Mexico Colombia Argentina Peru Venezuela Chile	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 165 165 165 165 165 165	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island Pitcairn Island 46 economies) Bolivia Dominican Rep. Haiti El Salvador Honduras Paraguay Nicaragua	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2 2 2 1 0.1 444,297 7,171 7,074 6,472 5,213 5,105 4,314 3,853	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslaviaa Czechoslovakiab Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada Australia Netherlands Portugal Less than 3 million pop Luxembourg Iceland Channel Islands	148,255 51,860 38,180 23,199 23,808 15,662 vulation 2,686 nomies (35 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522 17,085 14,943 10,354 vulation 378 2255 144	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway Ireland New Zealand Andorra Gibraltar Liechtenstein	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55 7,71 5,14 4,98 4,24 4,3,50 3,40
Myanmar Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Golomon Islands Brunei Maldives French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia Tonga Latin America and the Cale Brazil Mexico Colombia Argentina Peru Venezuela Chile Cuba	41,609 . 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 151 137 a 103 99 arribbean (150,368 86,154 32,345 32,293 21,663 19,738 13,173 10,617	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island Pitcairn Island Pitcairn Island El Salvador Haiti El Salvador Honduras Paraguay Nicaragua Puerto Rico	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 3 2 2 2 1 0.1 444,297 7,171 7,074 6,472 5,213 5,105 4,314 3,853 3,530	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslaviaa Czechoslovakiab Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada Australia Netherlands Portugal Less than 3 million pop Luxembourg Iceland Channel Islands Isle of Man	148,255 51,860 38,180 23,199 23,808 15,662 sulation 2,686 nomies (35 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522 17,085 14,943 10,354 bulation 378 255 1444 66	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway Ireland New Zealand Andorra Gibraltar Liechtenstein Monaco	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 7,71 6,71 5,14 4,98 4,24 3,50 3,40
Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Folomon Islands French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia Tonga Latin America and the Cale Brazil Mexico Colombia Argentina Peru Venezuela Chile Cuba Ecuador	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 165 165 165 165 165 165	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island Pitcairn Island Pitcairn Rep. Haiti El Salvador Honduras Paraguay Nicaragua Puerto Rico Uruguay	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 10.1 444,297 7,171 7,074 6,472 5,213 5,105 4,314 3,853 3,530 3,094	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslaviaa Czechoslovakiab Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada Australia Netherlands Portugal Less than 3 million pop Luxembourg Iceland Channel Islands	148,255 51,860 38,180 23,199 23,808 15,662 vulation 2,686 nomies (35 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522 17,085 14,943 10,354 vulation 378 2255 144	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway Ireland New Zealand Andorra Gibraltar Liechtenstein	346,23 10,55 10,27 8,82 4,36 3,73 3,25 1,58 797,78 10,06 9,95 8,55 7,71 6,71 6,71 5,14 4,24 3,50 3,40
Myanmar [*] Korea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao	41,609 . 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 151 137 a 103 99 arribbean (150,368 86,154 32,345 32,293 21,663 19,738 13,173 10,617	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island Pitcairn Island Pitcairn Island El Salvador Haiti El Salvador Honduras Paraguay Nicaragua Puerto Rico	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 10.1 444,297 7,171 7,074 6,472 5,213 5,105 4,314 3,853 3,530 3,094	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada Australia Netherlands Portugal Less than 3 million pop Luxembourg Iceland Channel Islands Isle of Man Bermuda Greenland	Domies of Eu 148,255 51,860 38,180 23,199 23,808 15,662 Julation 2,686 nomies (35) 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522 17,085 14,943 10,354 Julation 378 255 144 66 59 56	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway Ireland New Zealand Andorra Gibraltar Liechtenstein Monaco San Marino St. Pierre and Miquelo	
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Myanmar Gorea, Dem. People's Rep. Faiwan, China Less than 3 million popul Mongolia Bhutan Mauritius Fiji Reunion Macao Folomon Islands Frunei Maldives French Polynesia New Caledonia Western Samoa Vanuatu Guam Fed. States of Micronesia Fonga Latin America and the Cale Frazil Mexico Colombia Argentina Peru Venezuela Chile Cuba Ecuador	41,609 21,576 20,313 lation 2,124 1,433 1,074 744 593 459 316 256 214 197 165 165 165 165 165 165 165 165	Kiribati Seychelles Marshall Islands American Samoa Northern Mariana Islan Cook Islands Trust Territory of the Pa Wallis and Futuna Islan Nauru Tuvalu Niue Midway Island Tokelau Island Wake Island Johnston Island Pitcairn Island Pitcairn Rep. Haiti El Salvador Honduras Paraguay Nicaragua Puerto Rico Uruguay	3,003 70 68 41 39 ds 23 19 cific 18 ds 14 9 9 10.1 444,297 7,171 7,074 6,472 5,213 5,105 4,314 3,853 3,530 3,094	Formerly socialist econor Russian Federation Ukraine Poland Romania Yugoslavia ^a Czechoslovakia ^b Less than 3 million pop Latvia Established market eco United States Japan Germany Italy United Kingdom France Spain Canada Australia Netherlands Portugal Less than 3 million pop Luxembourg Iceland Channel Islands Isle of Man Bermuda Greenland	148,255 51,860 38,180 23,199 23,808 15,662 sulation 2,686 nomies (35) 249,975 123,519 79,484 57,663 57,395 56,440 38,959 26,522 17,085 14,943 10,354 sulation 378 255 144,943 10,354 sulation 378 255 1444 66 59 56 48	rrope (14 economies) Hungary Belarus Bulgaria Moldova Lithuania Albania Estonia economies) Greece Belgium Sweden Austria Switzerland Denmark Finland Norway Ireland New Zealand Andorra Gibraltar Liechtenstein Monaco San Marino St. Pierre and Miquelo	346,23' 10,55: 10,27: 8,822: 4,36: 3,73: 3,25: 1,58: 797,78: 10,06 9,95: 7,71: 6,71 5,144 4,98: 4,24 3,50 3,40 4 3 2 2 2 2 2

a. Refers to former Socialist Federal Republic of Yugoslavia because disaggregated data are not yet available.
 b. Refers to former Czechoslovakia because disaggregated data are not yet available.



Appendix B. The global burden of disease, 1990

The World Bank and the World Health Organization have undertaken a joint exercise for this Report that quantifies the impact in loss of healthy life from about 100 diseases and injuries in 1990 (Murray and Lopez, background paper). The global burden of disease (GBD) combines the loss of life from premature death in 1990 with the loss of healthy life from disability. The GBD is measured in units of disability-adjusted life years (DALYs) except in Table B.8, which presents only deaths. Disease and injury categories are based on the International Classification of Diseases, Ninth Revision (1977). The criterion for selecting the diseases and injuries studied was the expected magnitude of the burden within a specific age group. The selected diseases and injuries account for more than 90 percent of premature deaths and probably for a similar proportion of the burden attributable to disability. The tables presented in this appendix include subtotals for different disease groups; the numbers presented in the subtotals include DALYs lost as a result of the specified diseases and, in some cases, several residual conditions.

Calculation of the disease burden is based on several assumptions, some of which involve decisions about ethical values or social preferences. The key choices are the potential years of life lost as a result of a death at a given age; the relative value of a year of healthy life lived at different ages; the discount rate, or extent of time preference for human life and health; and the disability weights used to convert life lived with a disability to a common measure with premature death. The choices are described below. A full presentation of the methodology will appear in Murray and Lopez (forthcoming).

Duration of life lost due to a death at each age. The number of years of life lost as a result of a death at each age is obtained from a standard schedule of expectations of life at that age. A Coale and Demeny (1983) "West" family model life table (level 26 with an expectation of life of 82.5 years) has been used as the standard for females. A comparable model with an expectation of life of 80 years has been used as the standard for males. For example, a female death at

age 40 is assumed to represent a stream of lost life that is equal to the female expectation of life at age 40, or 43 years. Longer streams of life lost as a result of a female death as compared with a male death at any given age seem to be justified by data for high-income groups in low-mortality populations. These data show that women's expectations of life at birth are still two to three years higher than males'.

Value of a healthy year of life lived at each age. Most societies attach more importance to a year of life lived by a young or middle-aged adult than to a year of life lived by a child or an elderly person. The relative value of a year of life at each age has been modeled for this exercise as an exponential function of the form $ka \exp(-Ba)$, where a is age and B is equal to 0.04. This function rises quickly from zero at birth to a peak at age 25 and then declines asymptotically toward zero. The constant k is chosen so that the total number of DALYs is the same as though uniform age weights had been used (see Box figure 1.3). It is important to note that while the first year of life receives a very low weight, the life of a newborn is valued according to the weights of all the years he or she is expected to live, that is, according to the sum of the function over future years. In the absence of discounting, therefore, the greatest loss of DALYs from premature death occurs from infant deaths. The introduction of discounting means that the greatest loss from premature death occurs in early adulthood, but that loss is only slightly greater than the loss from an infant death. Largely because loss of life is valued according to the future stream of age-specific age weights and not just the weight for one year, the results of the analysis are not very sensitive to the introduction of nonuniform age weights.

Time preference. Since the stream of damage to health from current illness and injury can extend years or even decades into the future, it must be decided how to value the future relative to the present. This is a controversial and unresolved issue because there are two different arguments concerning how to regard the future. First, societies typically prefer to have a given amount of consumption today rather

than tomorrow. This "pure social rate of time preference" is usually assumed to be quite low, of the order of 0-3 percent per year, meaning that the future is valued exactly or almost as much as the present. Second, there is a reason for discounting the future much more, if resources are not consumed today but are invested so as to generate higher consumption tomorrow. The expected rate of growth of consumption times the elasticity of utility with respect to consumption yields a term typically assumed to be about 8-10 percent, comparable to the rate of return on investments involving risk and taxation. In evaluating the global burden of disease, it is assumed that this argument does not apply to human lives, which are incommensurable with consumption; adding to healthy years does not necessarily raise consumption per person. This Report therefore uses a discount rate of 3 percent per year, which could be entirely attributed to pure time preference.

Higher discount rates would reduce the total burden of disease because future health damage from health losses in 1990 would count for less. More important, higher discount rates would also alter the relative importance of different diseases. Because the stream of life lost as a result of mortality is, on average, longer than that caused by disability, higher discount rates raise the importance of disability compared with that of premature mortality. For the same reason, higher discount rates reduce the importance of premature deaths at young ages in relation to those at older ages.

Disability weights. Disabilities were assigned severity weights ranging from zero, representing perfect health, to one, representing death. These disability weights were determined at a meeting of experts in international health who had not participated in the study. In order to reduce the number of weights to be assigned and to emphasize large differences in the severity of disability, each disability condition was assigned to one of six classes of severity. The disabilities in a particular class differ in kind (for example, blindness versus paralysis) but were considered to be of equal severity. Each participant then voted on the weight to be assigned to the entire class, not to individual disabilities, and the class was weighted according to the average vote. It is important to note that many disabling conditions lead to two or more distinct disabilities, which may be classified in more than one class of severity.

The burden of disease could be computed using a prevalence perspective (the extent of burden during a given year, no matter when a disease condition began) or an incidence perspective (the future burden of that year's new cases or incident diseases). An incidence perspective was chosen: the burden of disease is the future stream of disability caused by incident cases in 1990. This is the more logical way of dealing

with mortality, and it is easy to apply to nonfatal disabilities. Disability-adjusted life years attributable to premature mortality are calculated on the basis of 1990 deaths by cause, as presented in Table B.8.

Estimates of mortality by cause were based on three types of source: vital registration data, model-based estimates, and epidemiological estimates for particular diseases. Vital registration data for all countries with good registration systems that attribute a cause of death were used with only minor modifications; such countries include most of the established market economies, the formerly socialist economies of Europe, and a large proportion of the countries of Latin America and the Caribbean. For China high-quality sample registration data from the Disease Surveillance Points System were used with some modifications. Vital registration data were also used for some countries in the Middle Eastern crescent and Other Asia and islands regions.

A variety of models relating cause-specific mortality to total mortality by age have been developed on the basis of the patterns of causes of death recorded in nations with good registration systems. For the large groups of causes—communicable plus maternal and perinatal, noncommunicable, and injuries—these models have been used to allocate deaths to cause groups. Whenever possible, these estimates have been validated by examining the results of small-scale longitudinal population surveillance systems. Estimates for more detailed causes were built up from assessments by disease experts of incidence, remission, and case-fatality rates. These epidemiological estimates by cause have been constructed so as to add up to total mortality.

A different approach was used to estimate the DALYs lost through life lived with a disability. A group of experts estimated the incidence, age of onset, and duration of disability for each specific disease on the basis of community-based epidemiological data, routine health facilities information, and, where necessary, expert judgment. Separate estimates were made for the five age groups, two sexes, and eight regions in the study. When prevalence was used to estimate incidence, the GBD incidence prevalence model was used to check for consistency between the estimated incidence, remission rate, case-fatality rate, and general background mortality rate. The same model was also used to check estimated duration for each disability. A completed first-round set of estimates was reviewed at a conference hosted by the World Health Organization, and comments were taken into account. A second round of estimates was undertaken and was subjected to the same review. The third round of estimates is presented here. A fourth and final round of revisions will appear in Murray and Lopez (forthcoming).

Table B.1 Burden of disease by age and sex, 1990

		ıs of disability years (DALYs		Percentage of DALYs		DALYs per	г,000 рориі	ation Male/femal
Demographic region and age group	Male	Female	Total	lost	Male	Female	Total	ratio
Sub-Saharan Africa	152.8	139.9	292.7	100.0	606	542	574	1.12
0-5	83.8	73.3	157.1	53.7	1,765	1,559	1,662	1.13
5–14 15–44	19.7 36.2	17.5 35.6	37.2 71.9	12.7 24.6	280 349	251 335	266 3 4 2	1.12
45-59	7.9	7.1	15.1	5.1	391	323	355	1.04 1.21
60+	5.2	6.2	11.4	3.9	494	491	492	1.01
India	145.3	147.1	292.4	100.0	331	359	344	0.92
0-5	67.3	70.0	137.2	46.9	1,125	1,234	1,178	0.91
5-14	15.8	16.5	32.3	11.1	155	173	164	0.90
15-44 45-59	30.8 16.5	35.0 12.3	65.8 28.9	22.5 9.9	154 348	191 268	172 308	0.81 1.30
60+	14.9	13.3	28.2	9.6	500	460	480	1.09
China	103.5	97.8	201.3	100.0	177	178	178	0.99
0-5	23.7	26.2	49.9	24.8	394	452	422	0.87
5-14	8.8	7.4	16.3	8.1	91	82	87	1.11
15-44	31.0	31.4	62.4	31.0	101	111	106	0.91
45–59 60+	17.3 22.6	12.2 20.5	29.6 43.1	14.7 21.4	239 462	190 397	216 429	1.26 1.16
Other Asia and islands	95.1	81.6	176.7	100.0	277	240	259	1.15
0-5	36.8	30.4	67.1	38.0	840	724	783	1.15
5-14	15.0	11.7	26.7	38.0 15.1	179	724 146	163	1.16
15-44	24.3	22.4	46.8	26.5	151	140	146	1.08
45–59	10.1	8.1	18.2	10.3	296	230	263	1.29
60+	8.9	9.0	17.9	10.1	441	397	418	1.11
Latin America and the Caribbean	57.2	45.7	102.9	100.0	258	205	232	1.26
0-5 5-14	18.1 6.5	14.4 5.5	32.5 12.0	31.5 11.6	629 125	520 108	575	1.21
15-4 4	20.8	15.6	36.4	35.4	199	150	116 175	1.16 1.33
45-59	6.4	4.9	11.3	10.9	287	209	247	1.37
60+	5.5	5.3	10.8	10.5	383	316	347	1.21
Middle Eastern crescent	73.9	70.3	144.2	100.0	288	285	287	1.01
0-5	38.1	36.2	74.3	51.5	925	912	919	1.01
5–14 15–44	9.3 14.4	8.2 15.4	17.5 29.8	12.1	142	133	137	1.07
45-59	6.3	4.7	11.1	20.6 7.7	127 284	143 211	135 248	0.88 1.35
60+	5.8	5.8	11.6	8.0	427	372	398	1.15
Formerly socialist economies of	1	April 1997				- Vend		201
Europe (FSE)	33.2	25.0	58.2	100.0	201	138	168	1.45
0-5	3.0	2.4	5.4	9.2	216	181	199	1.19
5-14 15-44	1.0 11.3	1.0 6.3	2.0 17.6	3.4 30.2	37 148	37 84	37	1.00
45–59	9.1	5.0	14.1	24.3	337	168	116 2 4 8	1. 77 2.00
60+	8.8	10.3	19.1	32.9	420	284	334	1.48
Established market economies (EME)	52.0	41.6	93.6	100.0	133	102	117	1.30
0–5	3.5	2.9	6.4	6.8	132	115	124	1.15
5-14	1.3	0.9	2.2	2.4	24	19	21	1.30
15-44 45-59	16.1 11.6	11.4 7.2	27.4 18.7	29.3 20.0	87 175	64 106	<i>7</i> 6 1 4 0	1.37 1.65
60+	19.6	19.2	38.8	41.5	324	227	267	1.43
FSE and EME	85.2	66.6	151.8	100.0	153	113	133	1.35
0-5	6.5	5.3	11.7	7.7	161	138	150	1.17
5-14	2.3	1.9	4.2	2.8	29	25	27	1.15
15-44	27.3	17.7	45.0	29.7	105	70	87	1.51
45-59 60+	20.6 28.4	12.2 29.5	32.8 58.0	21.6 38.2	222 349	125 244	172 286	1.77 1.43
Demographically developing group	628.0	582.3	1,210.3	100.0	299	288	294	1.04
0-5	267.7	250.5	518.1	42.8	952	924	938	1.04
5-14	75.1	66.9	142.0	42.8 11.7	952 160	924 149	938 155	1.03
15-44	157.6	155.5	313.1	25.9	159	165	162	0.97
45-59 40 l	64.6	49.4	114.0	9.4	295	231	264	1.27
60+	62.9	60.2	123.0	10.2	458	406	431	1.13
World	713.1	648.9	1,362.1	100.0	269	248	259	1.08
0-5 5-14	274.1 77.4	255.7 68.8	529.9 146.2	38.9	853 140	822	840 126	1.03
5-14 15-44	185.0	173.1	358.1	10.7 26.3	140 148	131 144	136 146	1.07 1.02
45-59	85.3	61.6	146.9	10.8	273	198	236	1.38
60+	91.3	89.7	181.0	13.3	417	333	371	1.25

Note: In this appendix the demographically developing group includes the Sub-Saharan Africa, India, China, Other Asia and islands, Latin America and the Caribbean, and Middle Eastern crescent regions.

Table B.2 Burden of disease in females by cause, 1990 (hundreds of thousands of DALYs lost)

Disease or injury	Sub- Saharan Africa	India	China	Other Asia and islands	Latin America and the Caribbean	Middle Eastern crescent	Formerly socialist economies of Europe (FSE)	Established market economies (EME)	FSE and EME	Demographically developing group	World
Communicable, maternal, and perinatal	1,038.7	772.9	281.4	419.8	207.6	387.8	25.7	48.8	74.5	3,108.2	3,182.7
Infectious and parasitic	716.7	409.9	133.0	228.8	120.6	189.6	8.5	22.8	31.4	1,769.6	1,830.0
Tuberculosis	62.1	45.2	24.4	37.7	10.6	18.8	0.5	0.5	1.0	198.8	199.
STDs excluding HIV	45.8	32.0	33.3	12.6	21.6	6.3	5.0	15.4	20.5	151.7	172.
Syphilis	23.9	3.4	0.0	0.1	1.6	0.0	0.0	0.0	0.0	29.0	29.
Chlamydia	1.5	2.7	3.1	2.3	1.5	0.6	0.3	0.8	1.1	11.7	12.
Gonorrhea	1.6	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.1	2.2	2.3
Pelvic inflammatory disease Human immunodeficiency virus	18.7 89.9	25.8 13.6	30.0 0.0	10.1 4.9	18.3 10.2	5.7 0.6	4.8 0.2	14.5 3.4	19.3 3.6	108.7 119.1	128.0 122.5
Diarrheal diseases	146.2	143.9	21.7	68.8	27.6	78.9	1.1	1.2	2.2	487.2	489.
Acute watery	78.8	78.9	14.1	37.6	15.9	41.7	1.0	1.0	1.9	267.1	269.
Persistent	44.6	42.6	3.6	20.5	7.1	24.6	0.0	0.1	0.1	142.9	143.
Dysentery	22.8	22.4	4.0	10.8	4.6	12.6	0.1	0.1	0.2	77.2	77.
Childhood cluster	132.8	98.7	8.1	36.5	7.5	43.4	0.2	0.4	0.6	327.1	327.
Pertussis	22.0	15.2	2.7	5.6	3.4	7.9	0.2	0.3	0.5	56.8	57.3
Polio	6.0	7.5	0.9	1.7	1.0	2.8	0.0	0.0	0.0	19.9	19.9
Diphtheria	0.2	0.6	0.0	0.2	0.1	0.1	0.0	0.0	0.0	1.2	1.3
Measles	77.5	48.5	1.5	19.3	1.9	19.9	0.0	0.0	0.1	168.5	168.
Tetanus	27.2	27.0	3.0	9.8	1.1	12.7	0.0	0.0	0.0	80.7	80.
Meningitis	6.4	8.2	2.8	4.1	3.3	5.3	0.6	0.5	1.0	30.1	31.
Hepatitis Malaria	1.3 154.1	1.7 4 .7	2.2 0.0	1.4 12.5	0.9 2.2	1.0 1.5	0.2 0.0	0.3	0.4	8.4	8.9
Tropical cluster	25.8	7.5	2.3	12.5	13.4	1.0	0.0	0.0 0.0	0.0 0.0	175.0 51.0	175.0 51.0
Trypanosomiasis	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	8.8
Chagas' disease	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	12.6	12.0
Schistosomiasis	11.8	0.9	1.5	0.3	0.6	0.3	0.0	0.0	0.0	15.4	15.4
Leishmaniasis	2.0	5.0	0.4	0.4	0.1	0.6	0.0	0.0	0.0	8.6	8.0
Lymphatic filariasis	0.5	1.6	0.4	0.3	0.0	0.1	0.0	0.0	0.0	2.9	2.9
Onchocerciasis	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.
Leprosy	1.1	2.6	0.0	0.8	0.3	0.2	0.0	0.0	0.0	5.1	5.
Trachoma	6.9	2.0	3.6	7.0	0.7	3.6	0.0	0.0	0.0	23.7	23.
Intestinal helminths	4.3	10.0	30.6	28.5	11.9	2.6	0.0	0.0	0.0	87.9	87.9
Ascaris	2.2	5.7	18.7	15.7	6.7	2.4	0.0	0.0	0.0	51.4	51.4
Trichuris	1.5 0.5	2.4 1.9	10.9 0.9	11.6	4.5 0.7	0.0	0.0	0.0	0.0	30.9	30.9
Hookworm Respiratory infections	153.9	161.9	69.0	1.2 93.0	29.9	0.2 84 .9	0.0 6.6	0.0 11.7	0.0 18.3	5.6	5.0
Lower respiratory infections	148.5	154.0	61.0	87.3	26.5	80.9	4.8	8.0	12.8	592.5 558.3	610.5 571.
Upper respiratory infections	1.7	2.8	2.7	2.3	1.3	0.4	1.0	2.3	3.3	11.1	14.4
Otitis media	3.7	5.1	5.3	3.3	2.2	3.5	0.8	1.4	2.2	23.1	25.
Maternal	79.9	78.2	25.0	43.6	18.0	42.1	4.8	5.5	10.4	286.8	297.
Hemorrhage	14.3	13.7	6.4	7.5	2.5	4.7	0.5	0.9	1.4	49.1	50.
Sepsis	27.5	27.5	6.3	15.8	4.1	17.5	1.5	2.0	3.5	98.7	102.
Eclampsia	4.2	3.9	0.7	2.0	1.6	1.3	0.0	0.1	0.1	13.7	13.
Hypertension	2.0	1.9	0.3	2.5	0.7	1.8	0.1	0.0	0.1	9.3	9.
Obstructed labor	19.0	19.4	7.9	10.2	5.7	13.3	2.0	2.3	4.3	75.4	79.
Abortion Perinatal	7.9	9.5	0.9	2.6	2.2	2.0	0.4	0.1	0.6	25.1	25.
Noncommunicable	88.2 280.5	122.9 578.9	54.4 558.1	54.5 349.8	39.1 212.0	71.2 255.2	5.7 203.5	8.8 334.8	14.5 538.3	430.3 2,234.5	2 772
Malignant neoplasms	22.3	53.6	72.0	36.7	27.8	22.3		79.5	115.5		2,772.
Mouth and oropharynx	1.0	6.3	1.8	2.5	27.8 0.4	1.1	36.0 0.4	79.5 0.9	1.3	234.7 13.2	350. 14.
Esophagus	0.7	3.5	5.3	0.7	0.4	0.7	0.4	0.7	1.0	11.2	12.
Stomach	1.6	2.4	11.1	2.1	1.4	1.5	3.9	4.3	8.2	20.0	28.
Colon and rectum	0.8	1.9	4.4	1.9	1.3	1.1	3.5	9.4	12.9	11.5	24.
Liver	2.1	0.6	9.0	1.8	0.2	0.6	0.3	0.8	1.1	14.3	15.
Pancreas	0.4	0.5	1.1	0.3	0.3	0.3	0.4	2.6	3.0	2.8	5.
Trachea, bronchus, and lung	0.5	0.9	6.0	2.0	0.7	1.0	2.2	8.3	10.5	11.1	21.
Melanoma	0.5	0.1	0.1	0.1	0.3	0.1	0.5	1.2	1.6	1.2	2.
Breast	2.5	6.1	4.0	4.0	4.7	3.1	5.2	15.7	20.8	24.3	45.
I committee	4.6	9.6	3.1	4.7	4.3	1.9	2.0	2.3	4.4	28.1	32.
Cervix Uterus	0.4	0.5	0.9	0.4	0.8	0.4	0.6	2.3	2.8	3.4	6.

Disease or injury	Sub- Saharan Africa	India	China	Other Asia and islands	Latin America and the Caribbean	Eastern	Formerly socialist economies of Europe (FSE)	Established market economies (EME)	FSE and EME	Demographically developing group	World
Noncommunicable diseases, malig	gnant neo	plasms (ontinue	i)							
Prostate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder	0.6	0.2	0.4	0.3	0.2	0.4	0.6	1.1	1.7	2.0	3.7
Lymphoma	1.3	1.4	1.2	1.1	1.1	0.7	1.0	3.5	4.6	6.8	11.4
Leukemia	0.6	2.3	7.1	1.6	1.1	1.3	1.3	2.6	3.9	14.0	18.0
Diabetes mellitus Nutritional and endocrine	2.1 39.9	10.3 90.6	4.1 38.6	6.9 4 1.6	5.8 23 .9	6.3 27.4	2.3 5.1	7.1 8.6	9.5 13.7	35.5 262.1	45.0 275.8
Protein-energy malnutrition	10.4	29.2	10.1	41.6	4.6	5.1	1.1	1.2	2.4	63.9	66.3
Iodine deficiency	8.5	6.9	4.9	6.4	2.6	6.7	0.0	0.0	0.0	35.8	35.9
Vitamin A deficiency	10.7	20.2	4.9	12.2	6.9	2.6	0.0	0.0	0.0	57.7	57.7
Anemia	6.0	25.0	16.6	13.9	5.9	8.9	3.0	3.9	6.9	76.2	83.0
Neuropsychiatric	41.3	83.6	78.5	57.4	35.7	38.9	29.3	62.0	91.3	335.3	42 6.6
Depressive disorders	11.2	20.2	31.9	17.7	11.8	11.9	7.9	14.3	22.1	104.8	127.0
Bipolar affective disorders	0.6	1.0	1.6	0.9	0.6	0.6	0.4	0.6	1.0	5.2	6.2
Psychoses	2.7	11.4	7.8	4.2	2.7	2.8	1.2	2.9	4.1	31.6	35.7
Epilepsy	5.5	9.5	6.9	7.0	3.5	5.1	2.6	2.8	5.4	37.4	42.9
Alcohol dependence Alzheimer's and other dementias	2.2 4.3	2. 4 9.7	2.4 13.6	1.4 7.3	2.0 4.7	0.5 4.9	2.4 8.7	3.7 23.2	6.1 31.9	10.9 44 .5	17.0 76.4
Parkinson's disease	0.3	0.7	1.0	0.6	0.6	0.3	0.8	1.9	2.7	3.4	6.2
Multiple sclerosis	0.7	1.3	1.7	1.1	0.5	0.7	0.6	1.1	1.7	5.9	7.6
Drug dependence	0.9	1.7	0.7	2.3	2.1	0.9	0.6	3.9	4.5	8.7	13.3
Posttraumatic stress disorder	3.2	5.1	7.0	4.4	2.8	3.1	2.7	4.5	7.2	25.5	32.7
Sense organ	7.9	11.4	9.0	7.5	3.3	3.1	0.3	0.6	0.9	42.2	43.1
Glaucoma	1.7	1.7	3.4	2.9	0.4	0.1	0.1	0.4	0.5	10.2	10.7
Cataract	5.8	8.8	3.6	4.2	2.6	2.7	0.2	0.1	0.3	27.7	28.0
Cardiovascular	66.3	138.0	133.4	86.5	45.9	62.8	82.2	98.1	180.3	532.9	713.2
Rheumatic Ischemic heart disease	6.1	12.7	12.2	3.9	1.8	3.1	1.8	0.9	2.7	39.8	42.6
Cerebrovascular	5.4 25.3	31.9 35.0	17.6 58.1	26.7 21.8	11.3 14.0	10.6 18.5	34.3 29.7	37.2 26.6	71.5 56.3	103.4 172.6	175.0 229.0
Peri-, endo-, and myocarditis	23.3	33.0	36.1	21.0	14.0	16.5	27.7	20.0	30.3	172.0	227.0
and cardiomyopathy	16.0	31.7	4.4	9.4	7.2	8.9	1.3	2.5	3.8	<i>7</i> 7.5	81.3
Respiratory	21.2	39.5	85.4	18.4	15.0	16.8	7.6	14.9	22.6	196.3	218.9
Chronic obstructive pulmonary											
disease	3.0	7.3	50.9	3.7	2.9	3.0	3.1	5.7	8.7	70.7	79.4
Asthma	10.0	8.7	17.1	7.0	5.6	4.9	2.7	5.8	8.4	53.2	61.7
Digestive	25.4	55.3	37.8	24.6	12.8	21.9	8.5	14.7	23.2	177.8	201.0
Peptic ulcer disease	1.5	3.6	3.9	1.9	0.7	1.2	0.8	1.8	2.6	12.8	15.4
Cirrhosis	4.8	8.4	10.0	5.3	3.0	2.7	1.4	5.1	6.5	34.3	40.8
Genitourinary Nephritis and nephrosis	10.1 5.6	20.3 10.6	12.8 11.1	11.4 6.9	6.6 4.5	8.2 4.5	3.8 1.9	6.2 4.3	10.0 6.2	69.5 43.2	79.5 49.4
Benign prostatic hypertrophy	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Musculoskeletal	4.6	8.4	40.0	17.0	13.0	7.2	11.3	24.5	35.8	90.2	126.1
Rheumatoid arthritis	1.1	1.1	5.2	1.6	4.6	3.6	4.1	11.3	15.4	17.3	32.7
Osteoarthritis	1.7	3.1	31.1	12.9	6.6	1.9	6.4	11.3	17.7	57.2	74.9
Congenital abnormalities	29.6	45.9	35.4	25.5	14.9	27.1	7.3	11.2	18.6	178.4	197.0
Oral health	5.2	14.1	8.9	11.7	5.9	10.2	9.0	5.7	14.6	56.0	70.6
Dental caries	0.7	1.6	1.1	1.3	2.2	1.6	0.8	0.4	1.2	8.5	9.6
Periodontal disease	4.2	10.6	4.9	5.2	2.9	2.9	0.4	0.5	0.9	30.8	31.7
Edentulism	0.2	1.9	2.9	5.2	0.8	5.6	7.8	4.8	12.6	16.7	29.3
Injuries	79.6	119.4	138.5	46.2	37.2	59.9	21.1	32.1	53.1	480.8	533.9
Unintentional	42.6	104.8	84.7	34.7	31.1	37.0	15.3	22.9	38.2	335.1	373.3
Motor vehicle	8.1	9.4	12.3	8.5	17.9	16.4	4.5	9.2	13.7	72.6	86.3
Poisoning	1.4	0.8	6.6	1.3	0.3	1.0	1.8	0.7	2.5	11.4	13.9
Falls Fires	9.5 4 .2	21.1 8.5	19.2 5.6	7.3 2.9	2.7 1.9	4.6	2.8	7.4 1.0	10.2 3.1	64.4 25.7	74.6
Drowning	4.2	8.3	16.6	3.0	1.9	2.6 2.6	1.1 0.8	1.9 0.5	3.1 1.4	25.7 35.7	28.8 37.1
Occupational	0.5	3.9	1.1	0.7	0.5	0.4	0.4	0.3	0.7	7.0	7.2
Intentional	36.9	14.6	53.8	11.5	6.1	22.8	5.8	9.2	14.9	145.7	160.6
Self-inflicted	3.0	10.8	40.0	4.4	1.0	2.7	2.6	4.9	7.4	61.9	69.3
Homicide and violence	4.7	2.8	13.8	5.8	3.2	3.6	3.2	4.3	7.5	34.0	41.4
War	29.2	0.9	0.0	1.3	1.9	16.5	0.0	0.0	0.0	49.8	49.8
Total	1.398.8	1,471.1	978.0	815.7	456.9	702.9	250.2	415.7	665.9	5,823.4	6,489.4

Table B.3 Burden of disease in males by cause, 1990 (hundreds of thousands of DALYs lost)

Disease or injury	Sub- Saharan Africa	India	China	Other Asia and islands	Latin America and the Caribbean	Eastern	Formerly socialist economies of Europe (FSE)	Established market economies (EME)	FSE and EME	Demographically developing group	World
Communicable, maternal, and perinatal	1,046.8	704.4	228.0	438.0	226.3	347.2	24.5	42.3	66.8	2,990.9	3,057.7
Infectious and parasitic	763.7	404.9	117.6	258.4	137.7	180.2	8.0	18.2	26.3	1,862.5	1,888.8
Tuberculosis	74.6	62.8	34.7	51.6	15.1	21.6	3.1	1.1	4.1	260.5	264.7
STDs excluding HIV	28.9	5.3	0.8	0.6	2.4	0.3	0.1	0.2	0.3	38.3	38.6
Syphilis	27.2	4.7	0.1	0.1	2.1	0.0	0.0	0.0	0.0	34.1	34.1
Chlamydia Gonorrhea	0.3 1. 4	0.6 0.0	0.6 0.1	0.5 0.1	0.3 0.1	0.3 0.0	0.1 0.0	0.1 0.0	0.2 0.0	2.5 1.8	2.7
Pelvic inflammatory disease	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8 0.0
Human immunodeficiency virus	93.7	27.1	0.0	8.0	34.1	2.6	1.4	12.4	13.7	165.5	179.3
Diarrheal diseases	157.3	136.4	20.7	78.5	31.3	75.1	1.1	1.2	2.3	499.4	501.7
Acute watery	84.1	75.0	14.1	42.6	17.5	39.5	1.0	1.0	2.0	272.8	274.8
Persistent	48.8	40.2	2.7	23.7	8.7	23.7	0.1	0.1	0.1	147.7	147.8
Dysentery	24.4	21.3	4.0	12.2	5.1	12.0	0.1	0.1	0.2	79.0	79.1
Childhood cluster	148.1	95.8	9.3	43.3	8.6	42.5	0.2	0.4	0.7	347.7	348.4
Pertussis	26.1	14.3	2.8	7.1	3.9	7.5	0.2	0.4	0.6	61.7	62.2
Polio	8.3	10.9	1.4	2.4	1.3	3.9	0.0	0.0	0.0	28.1	28.2
Diphtheria	0.1	0.5	0.0	0.2	0.1	0.1	0.0	0.0	0.0	1.1	1.1
Measles Tetanus	83.0 30.6	44.9 25.3	1.5 3.6	22.3 11.3	1.9 1.3	18.8 12.2	0.0 0.0	0.1 0.0	0.1	172.5 84.2	172.6
Meningitis	11.5	25.5 11.9	4.0	9.7	3.8	7.4	0.8	0.6	0.0 1. 4	48.4	84.2 49.8
Hepatitis	1.1	1.4	4.5	1.4	0.7	0.8	0.8	0.4	0.6	9.8	10.4
Malaria	161.0	4.8	0.1	12.9	2.2	1.3	0.0	0.0	0.0	182.3	182.3
Tropical cluster	39.0	11.3	3.8	3.1	16.3	1.5	0.0	0.0	0.0	75.0	75.0
Trypanosomiasis	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.0
Chagas' disease	0.0	0.0	0.0	0.0	14.8	0.0	0.0	0.0	0.0	14.8	14.8
Schistosomiasis	23.1	1.7	2.8	0.7	1.2	0.5	0.0	0.0	0.0	29.9	29.9
Leishmaniasis	1.9	6.8	0.6	1.5	0.3	0.9	0.0	0.0	0.0	12.0	12.0
Lymphatic filariasis	1.3	2.8	0.5	0.9	0.0	0.1	0.0	0.0	0.0	5.6	5.6
Onchocerciasis	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
Leprosy Trachoma	1.2 2.1	2.6 1.1	0.0 1.1	0.8 2.4	0.3 0.4	0.2 2.2	0.0 0.0	0.0 0.0	0.0 0.0	5.1 9.3	5.1 9.3
Intestinal helminths	4.2	10.6	32.6	29.6	12.0	2.8	0.0	0.0	0.0	91.8	91.8
Ascaris	2.2	6.0	19.9	16.3	6.8	2.6	0.0	0.0	0.0	53.8	53.8
Trichuris	1.5	2.5	11.6	12.0	4.5	0.0	0.0	0.0	0.0	32.2	32.2
Hookworm	0.5	2.1	1.0	1.2	0.7	0.2	0.0	0.0	0.0	5.8	5.8
Respiratory infections	162.5	155.7	60.0	103.4	33.9	80.8	8.2	12.5	20.7	596.3	617.1
Lower respiratory infections	157.1	147.3	52.1	97.4	30.2	76.9	6.5	8.9	15.4	560.9	576.4
Upper respiratory infections	1.6	3.2	2.8	2.5	1.3	0.5	0.9	2.1	2.9	11.9	14.8
Otitis media	3.8	5.1	5.0	3.6	2.4	3.5	0.9	1.5	2.3	23.6	25.9
Maternal	0.0 0.0	0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0
Hemorrhage Sepsis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eclampsia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hypertension	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Obstructed labor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abortion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perinatal	120.6	143.8	50.4	76.2	54.8	86.2	8.3	11.6	19.8	532.0	551.8
Noncommunicable	287.9	601.3	609.6	359.7	228.6	264.0	231.6	399.0	630.6	2,351.0	2,981.6
Malignant neoplasms	22.5	65.7	113.1	41.4	25.3	26.5	49.9	99.5	149.4	294.6	444.0
Mouth and oropharynx	1.2	12.8	3.8	3.8	1.3	1.9	2.1	3.3	5.4	24.7	30.0
Esophagus	1.5	5.0	11.7	1.3	0.7	1.0	1.3	2.8	4.1	21.2	25.3
Stomach	1.6	4.7	19.9	3.3	2.4	2.1	6.4	7.0	13.4	34.0	47.4
Colon and rectum Liver	0.6 3.9	2.5	5.3			1.1	3.4	10.2	13.7	12.7	26.4
Pancreas	0.3	1.6 0.8	27. 4 1.8	4.8 0.5	0.3 0.3	0.9 0.5	0. 4 0.6	2.5 3.3	2.9 3.9	38.8 4.3	41.7 8.2
Trachea, bronchus, and lung	1.3	4.7	13.6		2.2	4.0	13.2	22.4	35.6	31.3	66.9
Melanoma	0.3	0.1	0.1	0.1	0.2	0.1	0.5	1.5	2.0	1.0	2.9
Breast	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cervix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uterus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ovary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Disease or injury	Sub- Saharan Africa	India	China	Other Asia and islands	Latin America and the Caribbean	Eastern	socialist economies of Europe (FSE)	Established market economies (EME)	FSE and EME	Demographically developing group	World
Noncommunicable diseases, malig	nant neo _l	pl <mark>asms</mark> (d	ontinued)							
Prostate	2.2	1.9	0.3	0.9	1.6	0.7	1.1	6.7	7.8	7.7	15.6
Bladder	0.8	0.8	1.4	0.7	0.7	1.3	1.8	3.3	5.1	5.7	10.9
Lymphoma	3.2	3.1	2.6	1.8	1.7	1.6	1.6	4.8	6.4	13.9	20.3
Leukemia	0.7	3.2	8.1	2.7	1.5	1.9	1.7	3.5	5.2	18.1	23.3
Diabetes mellitus	1.2	8.4	3.6	4.6	4.3	4.8	1.7	6.2	7.9	26.8	34.7
Nutritional and endocrine	42.5	91.4	27.7	40.5	23.0	25.4	2.9	6.9	9.8	250.6	260.3
Protein-energy malnutrition	11.2 8.2	26.3 7.1	6.5 5.0	4.9 6.5	5.2 2.6	5.2 6.9	0.6 0.0	1.2 0.0	1.8 0.0	59.3 36.3	61.1 36.3
Iodine deficiency Vitamin A deficiency	11.1	20.9	4.9	12.9	7.2	2.9	0.0	0.0	0.0	59.9	59.9
Anemia	4.1	19.7	10.2	9.5	3.9	6.3	1.3	2.2	3.5	53.6	57.2
Neuropsychiatric	55.8	93.7	81.7	66.7	46.8	41.7	35.1	78.2	113.3	386.4	499.8
Depressive disorders	5.3	10.7	16.6	8.6	5.7	6.0	3.5	6.8	10.3	52.8	63.1
Bipolar affective disorders	0.5	1.1	1.6	0.9	0.6	0.6	0.3	0.6	0.9	5.3	6.1
Psychoses	3.1	10.0	10.3	4.7	3.1	3.3	1.4	3.3	4.8	34.5	39.2
Epilepsy	8.0	13.3	10.2	9.9	4.7	7.3	2.3	4.1	6.4	53.4	59.8
Alcohol dependence Alzheimer's and other	14.9	16.6	16.6	9.4	14.1	3.7	16.4	24.5	40.9	75.3	116.2
dementias	4.1	9.8	12.6	6.8	4.0	4.6	5.1	16.7	21.8	41.9	63.7
Parkinson's disease	0.3	0.8	0.9	0.6	0.6	0.3	0.5	1.6	2.1	3.6	5.7
Multiple sclerosis	0.6	1.4	1.5	1.0	0.4	0.6	0.5	1.0	1.5	5.5	7.0
Drug dependence	2.8	4.8	2.2	6.8	6.3	2.7	1.8	11.8	13.6	25.7	39.3
Posttraumatic stress disorder	1.9	3.3	4.4	2.6	1.7	1.9	1.2	2.7	3.9	15.8	19.6
Sense organ	6.0	12.4	7.5	5.8	3.1	3.9	0.2	0.3	0.5	38.6	39.1
Glaucoma	0.0	2.3 9.3	1.5 4.0	1.3	0.2	0.3	0.1 0.1	0.1 0.1	0.2 0.2	5.6 28.8	5.7 29 .1
Cataract Cardiovascular	5.5 55.6	9.3 1 46 .7	148.4	4.2 85.0	2.5 4 8.9	3.3 64.0	89.8	120.9	210.7	28.6 548.6	759.3
Rheumatic	2.4	6.0	9.1	2.0	1.4	1.6	1.6	0.5	2.1	22.5	24.6
Ischemic heart disease	6.7	49.5	24.8	35.4	16.0	15.5	45.2	56.4	101.7	147.9	249.6
Cerebrovascular Peri-, endo-, and myocarditis	17.4	27.5	68.4	16.1	13.2	15.5	21.8	23.1	44.9	158.2	203.1
and cardiomyopathy	17.1	36.3	5.2	9.6	8.7	9.5	2.3	4.1	6.4	86.2	92.6
Respiratory	22.6	38.5	96 .0	21.5	17.3	21.1	13.0	21.2	34.2	217.1	251.3
Chronic obstructive pulmonary											
disease	3.5	9.7	60.8	4.8	4.1	4.2	6.4	10.3	16.7	87.1	103.8
Asthma	7.8	8.5	18.2	7.5	5.4	6.6	2.7	5.6	8.3	54.0	62.3
Digestive	28.8	55.3	49.9	30.3	20.5	23.0	14.3	23.7	37.9	207.8	245.7
Peptic ulcer disease	2.0	6.4	7.3	2.9	1.2	1.7	1.8	2.7	4.5	21.4	26.0
Cirrhosis	8.7	18.5	22.0	10.9	8.7	4.5	3.3	11.7	15.1	73.4	88.5 95.6
Genitourinary	10.9	18.7	21.8	12.3	7.7	10.4 4.6	5.3 2.4	8.5	13.8	81.8	95.0 54.5
Nephritis and nephrosis Benign prostatic hypertrophy	6.2 2.3	10.4 3.7	14.8 5.5	7.3 2.7	4.2 2.2	2.3	1.3	4.5 2.5	6.9 3.9	47.6 18.6	22.5
Musculoskeletal	1.9	4.0	13.3	10.9	8.8	2.0	2.9	14.4	17.3	40.9	58.2
Rheumatoid arthritis	0.5	1.0	2.3	1.0	2.5	0.5	1.6	2.4	4.0	7.9	11.9
Osteoarthritis	0.6	1.2	8.5	8.9	5.6	0.7	0.8	11.1	11.9	25.4	37.3
Congenital abnormalities	33.8	48.4	34.8	27.8	16.2	29.7	8.4	12.3	20.7	190.7	211.4
Oral health	5.0	15.1	9.2	11.3	5.6	10.4	7.5	5.0	12.5	56.5	69.0
Dental caries	0.7	1.7	1.2	1.3	2.2	1.7	0.7	0.4	1.0	8.7	9.8
Periodontal disease	4.1	11.5	5.3	5.2	2.8	3.1	0.4	0.5	0.9	32.0	32.8
Edentulism	0.2	1.9	2.7	4.8	0.7	5.5	6.4	4.1	10.5	15.8	26.4
Injuries	193.6	147.6	197.6	153.8	117.2	127.9	75.5	78.8	154.3	937.8	1,092.
Unintentional	107.9	126.3	148.3	109.2	79.4	76.2	53.6	50.8	104.4	647.3	751.
Motor vehicle	29.0	23.1	33.0	32.6	41.2	31.2	17.2	24.0	41.2	190.1	231.
Poisoning	3.9	2.1	8.0	3.9	0.5	2.3	6.7	2.0	8.7	20.7	29.
Falls	20.3	28.9	23.5	21.0	7.2	9.7	5.7	7.9	13.6	110.6	124.
Fires	5.9	7.1 9.0	8.1	5.1	2.7	3.9	2.6	3.2	5.8	32.7 70.2	38. 77.
Drowning Occupational	11.3 3.6	9.0 5.1	27.6 5.0	10.5 3.9	4.8 2.8	7.0 1.9	4.8 2.7	2.2 1.7	7.0 4.4	22.3	77. 26.
Intentional	85.7	21.4	49.3	3.9 44.6	37.8	51.7	21.9	28.0	49.9	290.5	340.
Self-inflicted	13.9	11.1	29.8	14.9	2.9	7.2	11.6	14.6	26.3	2 3 0.3 79.7	106.
Homicide and violence	21.2	8.2	19.5	27.1	30.8	11.5	10.2	13.4	23.7	118.3	142.
War	50.6	2.0	0.0	2.6	4.1	33.1	0.0	0.0	0.0	92.5	92.

Table B.4 Burden of disease by age and the three main groups of causes, 1990

		inicable disea l and perinat		Noncoi	nmunicable i	tiseases	Injuries		
	DALYs lost		Rate	DAIVe leet		Rate	DAIVe Inst		Rate
Demographic region and age group	(millions)	Percentage	population)	DALYs lost (millions)	Percentage	population)	DALYs lost (millions)	Percentage	(per 1,000 population)
Sub-Saharan Africa	208.6	100.0	408.7	56.8	100.0	111.4	27.3	100.0	53.5
0-4 5-14	132.5	63.5	1,401.5	18.2 7.2	32.1 12.7	193.0 51.5	6.4	23.4	67.7
15–14 15–44	25.5 44.8	12.2 21.5	181.8 213.2	12.3	21.6	51.5 58.4	4.6 14.8	16.7 54.3	32.5 70.6
45-59	3.7	1.8	87.7	10.2	18.0	240.5	1.1	4.2	27.1
60+	2.1	1.0	92.4	8.9	15.7	383.0	0.4	1.4	16.7
India	147.7	100.0	173.9	118.0	100.0	138.9	26.7	100.0	31.4
0-4 5-14	97.9 15.4	66.3 10.4	840.7 78.3	33.4 9.8	28.3 8.3	286.6 49.6	5.9	22.2 26.7	50.9
15- 44	27.1	18.3	70.5	27.3	23.1	71.1	7.1 11.5	43.1	36.1 30.0
45-59	4.7	3.2	50.2	22.6	19.2	242.0	1.5	5.7	16.3
60+	2.6	1.8	44.8	25.0	21.1	425.2	0.6.	2.3	10.4
China	50.9	100.0	44.9	116.8	100.0	103.0	33.6	100.0	29.7
0-4 5-14	25.5 7.9	50.0	215.5	16.4	14.0	138.4	8.1	24.0	68.3
15-14 15-44	7.9 12.3	15.5 24.2	42.1 20.9	4.7 33.0	4.1 28.2	25.3 55.8	3.6 17.1	10.8 50.9	19.4 29.0
45-59	2.7	5.4	20.0	24.3	20.8	177.1	2.6	7.6	18.6
60+	2.5	4.9	24.6	38.4	32.9	381.7	2.2	6.7	22.2
Other Asia and islands	85.8	100.0	125.7	70.9	100.0	103.9	20.0	100.0	29.3
0-4	49.7	58.0	580.1	14.4	20.3	167.8	3.0	15.0	35.0
5-14 15-44	15.2 16.0	17.8 18.7	92.7 50.1	8.0 19.2	11.2 27.1	48.5 59.9	3.5 11.5	17.6 57.6	21.5 36.0
45-59	2.7	3.1	38.5	14.2	20.0	204.8	1.3	6.7	19.3
60+	2.1	2.4	48.5	15.2	21.5	355.0	0.6	3.1	14.4
Latin America and the Caribbean	43.4	100.0	97.7	44.1	100.0	99.2	15.4	100.0	34.8
0-4	22.3	51.5	396.1	8.6	19.5	152.7	1.5	9.7	26.7
5-14 15-44	6.2 13.0	14.4 29.9	60.7 62.2	3.6 13.2	8.1 30.0	34.5 63.5	2.2 10.2	14.1	21.2 49.2
45-59	1.2	29.9	26.7	9.0	20.5	198.2	1.0	66.3 6.6	22.2
60+	0.6	1.5	20.8	9.6	21.8	310.0	0.5	3.2	16.1
Middle Eastern crescent	73.5	100.0	146.1	51.9	100.0	103.2	18.8	100.0	37.3
0-4	55.1	75.0	681.5	15.2	29.3	188.3	4.0	21.1	48.9
5-14	7.0	9.5	54.9	6.2	12.0	48.7	4.3	22.8	33.6
15 44 4559	9.1 1.2	12.4 1.7	41.1 27.2	11.5 8.9	22.1 17.2	51.8 200.1	9.2 0.9	49.1 4.8	41.7 20.4
60+	1.1	1.5	36.7	10.1	19.5	347.2	0.4	2.2	14.0
Formerly socialist economies of		Annual Section of the	, and a second of the second o		A Charles Control Community of the Control Con	e (decembra decembra), p. p. plane (Application), p.	English II		
Europe (FSE)	5.0	100.0	14.5	43.5	100.0	125.7	9.7	100.0	27.9
0-4	2.5	50.0	93.4	2.3	5.2	84.9	0.6	5.8	20.9
5-14 15-44	0.1 1.8	2. <i>7</i> 35.0	2.6 11.6	1.2 9.7	2.7 22.4	22.1 64.5	0.7 6.1	7.0 62.8	12.5 40.1
4 5–59	0.3	6.8	6.0	12.2	28.0	213.7	1.6	16.6	28.0
60+	0.3	5.4	4.7	18.1	41.6	315.9	0.8	7.9	13.3
Established market	0.1	100.0	11.4	72.4	100.0	02.0	44.4	100.0	40.0
economies (EME)	9.1	100.0	11.4	73.4	100.0	92.0	11.1	100.0	13.9
0-4 5-14	2.7 0.2	29.3 2.1	51.8 1.9	3.2 1.4	4.3 2.0	61.5 13.8	0.5 0.6	4.9 5.4	10.6 5.8
15- 44	4.4	48.8	12.2	16.0	21.8	44.1	7.0	62.8	19.2
45–59	0.5	5.8	3.9	16.9	23.0	126.2	1.3	11.8	9.7
60+	1.3	14.0	8.8	35.9	48.9	247.1	1.7	15.1	11.5
FSE and EME	14.1	100.0	12.4	116.9	100.0	102.2	20.7	100.0	18.1
0-4 5-14	5.2 0.3	36.6 2.4	66.1 2.1	5.4 2.6	4.7 2.2	69.5 16.6	1.1 1.3	5.3 6.1	14.1 8.1
15-44	6.2	43.9	12.1	25.8	22.1	50.1	13.0	62.8	25.3
45-59	0.9	6.2	4.6	29.1	24.9	152.3	2.9	14.0	15.2
60+	1.5	10.9	7.6	54.0	46.2	266.6	2.4	11.7	12.0
Demographically developing group	609.9	100.0	-147.9	458.5	100.0	111.2	141.9	100.0	34.4
0-4 5-14	383.1 77.3	62.8 12.7	693.7 84.1	106.2 39.5	23.2 8.6	192.3 42.9	28.9 25.3	20.3 17.8	52.3 27.5
15-14 15-44	122.3	20.0	63.2	39.3 116.4	25.4	60.2	25.3 74.5	17.8 52.5	27.5 38.5
45-59	16.3	2.7	37.6	89.3	19.5	206.4	8.5	6.0	19.6
60+	11.0	1.8	38.7	107.2	23.4	375.4	4.8	3.4	16.7
World	624.0	100.0	118.5	575.4	100.0	109.2	162.6	100.0	30.9
0-4 E 14	388.2	62.2	615.7	111.7	19.4	177.1	30.0	18.4	47.5
5-14 15-44	77.6 128.5	12.4 20.6	72.1 52.5	42.1 142.2	7.3 24.7	39.1 58.1	26.6 87.5	16.3 53.8	24.7 35.7
45-59	17.1	2.7	27.5	118.3	20.6	189.8	11.4	7.0	18.3
60+		2.0		161.2		330.3			10.0

Table B.5 Burden of disease by consequence, sex, and age, 1990 (millions of DALYs lost)

	As re	sult of premature de			s result of disability	
Demographic region and age group	Males	Females	Total	Males	Females	Tot
Sub-Saharan Africa	119.5	105.7	225.2	33.3	34.2	67
0-4	71.6	61.8	133.4	12.2	11.6	23
5–14	13.4	12.7	26.1	6.3	4.8	11
15-44	26.1	22.7	48.8	10.1	12.9	23
45-59 60+	4.9 3.5	4.4 4.1	9.3 7.6	3.0 1.7	2.8 2.1	5
ndia	100.8	99.7	200.6	44.5	47.4	91
0-4	53.0	55.1	108.1	14.2	14.9	29
5-14	9.4	10.8	20.2	6.4	5.7	12
15-44	18.9	17.7	36.6	12.0	17.2	29
45-59 60+	9.8 9.7	7.3 8.7	17.2 18.4	6.7 5.2	5.0 4.6	17
China	62.2	53.3	115.5	41.3	44.5	8
0-4	16.6	18.7	35.3	7.1	7.5	14
5-14	3.2	2.3	5.5	5.7	5.1	10
15-44	17.4	13.2	30.6	13.7	18.2	3
45-59 40+	10.8 14.3	7.0 12.1	17.8 26.4	6.6 8.3	5.2 8.5	1
60+ Other Asia and islands	62.9	12.1 50.1	113.0		31.5	6
0-4	29.7	23.9	53.6	32.2 7.0	6.5	13
5-14	8.4	6.3	14.7	6.6	5. 4	1:
15-44	13.3	10.1	23.4	11.1	12.3	2
45-59	5.8	4.3	10.1	4.3	3.8	
60+	5.7	5.5	11.2	3.3	3.5	
atin America and the Caribbean	33.8	24.3	58.0	23.5	21.4	4
0 -4 5-14	13.2 2.6	10.1 2.0	23.3 4.6	4.8 3.9	4.3 3.5	
15–14 15–44	11.4	6.6	18.0	9.4	9.0	1
45-59	3.4	2.6	6.0	3.0	2.3	•
60+	3.1	3.0	6.1	2.3	2.3	
Iiddle Eastern crescent	51.5	46.9	98.4	22.4	23.4	4
0-4	31.1	29.6	60.7	7.0	6.6	1
5–14	5.4	4.9	10.4	3.8	3.3	_
15-44 45-59	7.7 3.6	6.2 2.6	13.9 6.2	6.8 2.7	9.1 2.1	1
60+	3.7	3.6	7.3	2.1	2.2	
ormerly socialist economies of						
Europe (FSE)	21.5	13.0	34.5	11.7	12.1	2
0-4	2.1	1.5	3.5	0.9	0.9	
5-14	0.5	0.3	0.9	0.5	0.7	
15-44 45-59	6.9 6.1	2.1 2.7	9.0 8.8	4.4 3.0	4.2 2.3	
60+	5.9	6.4	12.3	2.9	3.9	
stablished market economies (EME)	29.5	19.6	49.2	22.5	22.0	4
0-4	2.0	1.5	3.5	1.5	1.4	
5–14	0.5	0.3	0.8	0.8	0.6	_
15-44 45-59	8.5 6.7	3.5 3.7	12.0 10.3	7.6 4.9	7.9 3.5	1
45-59 60+	11.9	10.6	22.6	7.7	8.5	1
SE and EME	51.0	32.6	83.6	34.1	34.0	6
0-4	4.0	3.0	7.0	2.4	2.3	
5–14	1.1	0.6	1.7	1.3	1.3	
15-44	15.4	5.6	21.0	11.9	12.1	2
45-59 60+	12.7 17.8	6.4 17.0	19.1 34.9	7.9 10.6	5.9 12.5	1 2
Demographically developing group	430.7	380.0	810.7	197.2	202.4	39
0-4	215.3	199.1	414.4	52.4	51.3	10
5–14	42.4	39.1	81.5	32.7	27.8	6
15-44	94.6	76.6	171.3	63.0	78.8	14
45-59 60+	38.3 40.1	28.2 37.0	66.5 77.0	26.3 22.8	21.2 23.2	4
Vorld	481.8	412.6	894.3	231.4	236.4	46
0-4	219.3	202.1	421.4	54.8	53.6	10
5-14	43.5	39.7	83.2	33.9	29.1	6
15- 44	110.0	82.2	192.3	74.9	90.9	16
45–59	51.1	34.5	85.6	34.2	27.1	6
60+	57.9	54.0	111.9	33.4	35.7	6

Table B.6 Distribution of the disease burden in children in demographically developing economies, showing the ten main causes, 1990

		Childre	n under 5			Childrer	1 ages 5–14	
The second secon	F	emale		Male	F	emale	7	Male
Total DALYs lost (millions)		250		268		67		7 5
Diseases and injuries	Rank	Percent	Rank	Percent	Rank	Percent	Rank	Percent
Communicable and perinatal		73.2		74.6		57.1		52.0
Infectious and parasitic		37.5		37.2		48.5		45.2
Tuberculosis		0.5		0.5	5	5. 7	7	4.1
STDs and HIV		1.0	10	1.0	10	2.4		1.9
Syphilis		0.5		0.5		0.0		0.0
Human immunodeficiency virus		0.5		0.5		0.3		0.1
Diarrheal diseases	3	16.2	3	15. 7	4	7 .1	4	6.1
Childhood cluster	4	10.7	4	10.6	2	8.6	2	8.1
Pertussis	-	1.8		1.9		1.6		1.5
Polio		0.3		0.4		2.0		2.5
Measles		5.6		5.5		4.1		3.4
Tetanus		2.9		2.9		0.8		0.7
Malaria	[6]	4.7	[6]	4.7	6	4.9	6	4.3
Intestinal helminths		0.0		0.0		12.3	1	11.4
Ascaris		0.0		0.0		7.6		7.1
Trichuris		0.0		0.0		4.6		4.2
Respiratory infections		18.5	2	17.6	3	7 .9	3	6.9
Perinatal	2	17.2	1	19.9		0.0		0.0
Noncommunicable		21.1		19.9	to a second	28.4		27.2
Nutritional and endocrine		6.4		6.1		3. <i>7</i>		2.4
Protein-energy malnutrition	7	2.4	8	2.1		0.3		0.3
Iodine deficiency	9	1.3	9	1.2		0.2		0.2
Vitamin A deficiency	<u></u>	2.3	7	2.2		0.0		0.0
Anemias	_	0.3		0.3	8	3.0		1.9
Neuropsychiatric		1.1		1.0		7.5		9.1
Epilepsy		0.2		0.3	9	2.6	8	3.5
Respiratory		2.0		1.8		3.2		4.0
Asthma		0.2		0.2		2.3		2.6
Congenital	5	6.5	5	6.6		1.2		1.0
Injuries		5.7		5.5		14.5	ніў быц энцэр К ухановай была адара	20.7
Unintentional		4.6		4.6		12.6		18.1
Motor vehicle		0.4		0.4	7	3.7	5	4.4
Falls	10	1.2		1.0		1.9	10	3.1
Drowning		0.6		0.7		1.7	9	3.2
Intentional		1.0		0.8		2.0		2.6

Note: The rankings refer to health intervention priorities; disease groups are ranked only when there is a single intervention or accepted cluster of interventions for controlling the diseases included in the group.

Can be substantially controlled with cost-effective intervention; less than \$100 per DALY saved.

Can be partially controlled with moderately cost-effective interventions; \$250 to \$999 per DALY saved. (There are few or no interventions in the range of \$100 to \$250 per DALY saved.)

Cannot be controlled in a cost-effective manner; \$1,000 or more per DALY saved.

Preventive and therapeutic interventions have not been evaluated for cost-effectiveness.

Table B.7 Distribution of the disease burden in the adult and elderly populations in demographically developing economies, showing the ten main causes, 1990

77 37 37 37 37 37 37 37 37 37 37 37 37 3	Yo	ung adult	s (ages 1	5–44)	M	ture aduli	ts (ages	1 5-59)	Elderly (60+ years old)			
	F	emale	I	Male	Female Male				F	emale	1	Male
Total DALYs tost (millions)		155		158		49		65		60		63
Diseases and injuries	Rank	Percent	Rank	Percent	Rank	Percent	Rank	Percent	Rank	Percent	Rank	Percent
Communicable and maternal		50.0		28.2		13.2		15.1		8.4		9.5
Infectious and parasitic		29.5		25.8		10.6		13.6		3.8		5.5
Tuberculosis	3	7.0	2	8.4	2	5.6	1	9.3	8	1.9	5	4.0
Sexually transmitted diseases	2	8.9		1.5		0.3		0.2		0.0		0.0
Human immunodeficiency												
virus	4	6.6	1	9.3		0.3		0.6		0.0		0.0
Respiratory infections	7	2.5	10	2.4		2.0		1.5	5	4.6	6	4.0
Maternal	1	18.0				0.5				0.0		
Noncommunicable		37.6	AND A PROPERTY.	36.8	(Marie Constant of Angelo)	81.6	Dr. A. Landerson, C. S. Salar	75.8	- Committee of the Comm	87.8		86.5
Malignant neoplasms		4.5		4.3		16.7		15.9		10.4		14.5
Stomach		0.3		0.3		1.4		2.2		1.3	8	2.3
Liver		0.3		0.8		1.1	10	2.5		0.7		1.4
Trachea, bronchus, and lung		0.1		0.2		0.9		2.0		0.8	9	2.3
Cervix		0.6			10	2.6				1.0		
Diabetes mellitus		0.4		0.4	8	2.8		1.6	7	2.4		1.5
Nutritional and endocrine		3.6		3.5		2.4		1.4		1.4		0.9
Anemia	8	2.5		1.5		1.3		0.9		0.7		0.5
Neuropsychiatric		11.9		12.1		6.9		8.5		6.7		7.1
Depressive disorders	*5	5.8	7	2.9		2.2		0.9		0.5		0.2
Alcohol dependence syndrome		0.4	9	2.7		0.7	5	3.6		0.2		1.6
Alzheimer's disease and other												
dementias		0.1		0.1		2.2		1.7	4	4.8	4	4.1
Sense organ		0.2		0.2		4.6		3.0		2.1		2.1
Cataracts		0.2		0.1	6	3.1		2.3	10	1.6		1.7
Cardiovascular		6.0		6.5		25.2		23.7		44.3		39.3
Ischemic heart disease		0.6		1.5	3	4.7	2	7.6	2	11.6	2	11.7
Cerebrovascular		1.5		1.4	1	8.7	3	6.7	1	16.5	1	13.8
Peri-, endo-, and myocarditis		1.1		1.6	4	3.2	6	3.4	6	3.6	7	3.6
Respiratory		2.3		2.3		5.4		4.5		10.5		11.7
Chronic obstructive												
pulmonary		0.3		0.3	7	2.8	7	2.7	3	8.1	. 3	9.6
Digestive		2.7		4.0		5.8		7.2		3.8		4.8
Cirrhosis		0.8		1.9		2.4	4	4.2		1.2	10	2.1
Genitourinary system		1.4		1.1		3.1		4.2		2.5		2.4
Benign prostatic hypertrophy				0.0			8	2.5				0.4
Musculoskeletal	Personne	3.2		1.1		3.9		2.1		2.3		1.2
Osteoarthritis	9	2.2		0.7	9	2.7		1.5		1.5		0.6
Oral health		0.6		0.6		4.4		3.4		1.1		0.9
Periodontal disease	and the state of the state of	0.1	201 May 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.1	5	3.1	9	2.5		0.0		0.0
Injuries		12.4		35.0		5.2		9.1		3.8		4.0
Unintentional	10	6.4	- 100 mg/	20.7		3.4		6.4		3.0		3.1
Motor vehicle injuries	10	2.1	3	8.2		0.9		1.8		0.3		0.6
Falls		0.4	8	2.8		0.8		1.5	9	1.8		1.2
Intentional		6.0		14.3		1.9		2.7		0.8		0.9
Self-inflicted	6	3.2	6	4.0		1.1		1.3		0.5		0.6
Homicide and violence		1.0	4			0.3		1.0		0.1		0.2
War		1.8	5	4.2		0.4		0.5		0.1		0.1

Note: The rankings refer to health intervention priorities; disease groups are ranked only when there is a single intervention or accepted cluster of interventions for controlling the diseases included in the group.

Can be substantially controlled with cost-effective intervention; less than \$100 per DALY saved.

Can be partially controlled with moderately cost-effective interventions; \$250 to \$999 per DALY saved. (There are few or no interventions in the range of \$100 to \$250 per DALY saved.)

Cannot be controlled in a cost-effective manner; \$1,000 or more per DALY saved.

Preventive and therapeutic interventions have not been evaluated for cost-effectiveness.

Table B.8 Deaths by cause and demographic group, 1990 (thousands of deaths)

	_			eloping group	<u> </u>			SE and EME			
		Males		males			Males	Fem			
Disease or injury	Ages 0-4	Age 5 and older	Ages 0–4	Age 5 and older	Total	Ages 0-4	Age 5 and older	Ages 0-4	Age 5 and older	Total	World
Communicable, maternal and								0			.,,,,,,
perinatal	5,539	2,801	5,038	2,738	16,115	73	243	52	207	575	16,69
Infectious and parasitic	2,814	2,179	2,651	1,658	9,301	9	92	7	46	153	9,45
Tuberculosis	34	1,187	37	720	1,978	0	29	0	9	38	2,016
STDs excluding HIV	41	62	37	53	192	0	0	0	1	1	193
Syphilis	39	62	35	50	186	0	0	0	0	0	186
Chlamydia	0	1	0	1	1	0	0	0	0	0	1
Gonorrhea	2	0	1	0	3	0	0	0	0	0	3
Pelvic inflammatory disease Human immunodeficiency	0	0	0	2	2	0	0	0	0	0	2
virus	29	101	27	92	240	1	25		_		
Diarrheal diseases	1,263	191	1,211	201	248 2,866	1 2	35	1	6	43	291
Acute watery	635	148	609	155	1,547	2	1	2,	2	7	2,873
Persistent	439	5	421	6	,		1	2	2	7	1,553
Dysentery	189	38	181	40	871 448	0	0	0	0	0	872
Childhood cluster	824	129	774	133		0 0	0	0	0	0	448
Pertussis	146	22	131	22	1,860 321	0	0	0	0	1	1,861
Polio	4	9	3	7	24	0	0	0	0	0	321
Diphtheria	1	1	1	2	4	0	0	0	0	0	24
Measles	442	69	421	7 4	1,006	0	0	0	0	0	4
Tetanus	232	27	219	28	505	0	0 0	0	0	0	1,006
Meningitis	71	73	50	39	232	3	3	0	0	0	505
Hepatitis	6	33	6	27	72	0		2	3	10	242
Malaria	332	143	301	151	926	0	3	0	2	6	77
Tropical cluster	6	105	6	82	926 199	0	0	0	0	0	926
Trypanosomiasis	2	27	3	82 24	199 55	-	0	0	0	0	199
Chagas' disease	0	11	0	2 4 12		0	0	0	0	0	55
Schistosomiasis	1	23	0	14	23 38	0 0	0	0	0	0	23
Leishmaniasis	4	26	3	20	56 54	0	0 0	0	0	0	38
Lymphatic filariasis	0	0	0	0	0	0	_	0	0	0	54
Onchocerciasis	0	17	0	12	30	0	0 0	0	0	0	0
Leprosy	0	1	0	12	30	0	0	0 0	0	0	30
Trachoma	0	0	0	0	0	0	0	0	0	0	3
Intestinal helminths	0	15	0	14	29	0	0	0	0	0	0
Acaris	0.	7	0	6	13	0	0		0	0	29
Trichuris	0	5	0	5	9	0	0	0	0	0	13
Hookworm	0	3	0	3	6	0	0	0 0	0	0	9
Respiratory infections	1,371	622	1,339	652	3,984	12	151	9	0	0	6
Lower respiratory infections	1,343	620	1,311	650	3,924	12	150	9	158	330	4,314
Upper respiratory infections	3	3	3	2	10	0	150	0	157	328	4,251
Otitis media	25	0	25	0	51	1	0	0	1 0	2	12
Maternal	0	0	0	428	428	0	0	0		1	52
Hemorrhage	ő	0	0	130	130	0	0	0	3 0	3	431
Sepsis	ő	0	0	79	79	0	0	0	0	0	130
Eclampsia	0	0	0	45	45	0	0	0	0	0	79
Hypertension	Õ	0	0	31	31	0	0	0	0	-	45
Obstructed labor	0	0	0	40	40	0	0	0	0	0 0	32
Abortion	0	0	0	60	60	0	0	0	1	1	40
Perinatal	1,353	0	1,048	0	2,402	52	0	36	0	89	61
Noncommunicable	693	9,562	687	8,612	19,553	37	4,626	30	4,808		2,491
Malignant neoplasms	16	2,150	27	1,504						9,502	29,055
Mouth and oropharynx	0	2,130	1	103	3,698	2	1,352	2	1,075	2,431	6,129
Esophagus	0				315	0	39	0	11	51	366
Stomach	0	220 337	0 0	. 112	332	0	43	0	14	58	389
Colon and rectum	0			185	522	0	143	0	101	244	766
Liver	0	116 299	0	99 110	215	0	136	0	144	280	496
Pancreas	0	299 44	1	119	420	0	30	0	13	44	463
Trachea, bronchus, and lung			0	29	73	0	49	0	47	96	169
Melanoma	0	329	0	111	441	0	402	0	124	526	967
Breast		8	0	9 150	17	0	17	0	14	31	48
Cervix	0	0	0	158	158	0	0	0	175	175	332
Uterus	0	0	0	183	183	0	0	0	32	32	215
	0	0	0	27	27	0	0	0	29	29	56
Ovary	0	0	1	50	51	0	0	0	56	56	106

				eloping group				SE and EME	1 .		
		Aales Age 5	Ages	males Age 5			Aales Age 5	Fem	Age 5		
Disease or injury	Ages 0–4	and older	0-4	and older	Total	Ages 0–4	and older	Ages 0–4	and older	Total	World
Noncommunicable diseases, maligr	nant neop	olasms (conti	nued)								
Prostate	0	105	0	0	105	0	108	0	0	108	21
Bladder	0	61	0	18	80	0	51	0	20	71	15
Lymphoma	3	74	3	42	121	0	51	0	45	96	21
Leukemia	6	72	10	55	143	1	41	1	34	77	21
Diabetes mellitus	0	198	0	284	483	0	69	0	108	177	66
Nutritional and endocrine	119	148	127	185	578	1	30	1	41	74	65
Protein-energy malnutrition	66	26	82	33	207	0	2	0	4	6	21
Iodine deficiency	4	7	3	6	19	0	0	0	0	0	1
Vitamin A deficiency	19	0	16	0	35	0	0	0	0	0	3
Anemia	20	31	16	79	147	0	7	0	10	17	16
Neuropsychiatric	36	309	38	218	600	2 0	111 0	2 0	117 0	232	83
Depressive disorders	0	0	0 0	0	0	0	=	0	-	0	
Bipolar affective disorders	0	1		1	1	-	0	0	2 9	2	-
Psychoses	0	26 _. 56	0 4	17 39	42 103	0 0	7 8	0	5	16 13	5 11
Epilepsy Alcohol dependence	4 0	27	0	39 4	31	0	8 18	0	4	22	5
Alcohol dependence	U	21	U	4	31	U	10	U	4	44	J
Alzheimer's and other dementias	5	45	7	43	100	1	36	1	58	95	19
Parkinson's disease	0	19	0	12	32	0	16	0	15	30	(
	0	11	0	13	25	0	3	0	5	8	3
Multiple sclerosis Drug dependence	0	10	0	4	14	0	3	0	1	3	1
Posttraumatic stress disorder	0	0	0	0	0	0	0	0	0	0	
Sense organ	3	10	3	9	25	0	0	0	0	1	2
Glaucoma	0	1	0	1	2	0	ő	0	0	0	•
Cataract	0	1	0	1	1	0	0	0	0	0	
Cardiovascular	64	4,436	59	4,459	9,017	2	2,399	2	2,925	5,328	14,34
Rheumatic	1	146	2	292	440	0	17	0	29	46	48
Ischemic heart disease	2	1,348	1	1,118	2,469	0	1,283	0	1,395	2,678	5,14
Cerebrovascular	8	1,516	6	1,652	3,181	0	565	0	882	1,448	4,62
Peri-, endo-, and myocarditis		-,		-,	ŕ					,	,
and cardiomyopathy	32	621	36	540	1,229	0	70	1	64	136	1,36
Respiratory	78	1,172	79	1,008	2,336	1	308	1	199	509	2,84
Chronic obstructive pulmonary											
disease	11	938	9	756	1,714	0	228	0	130	358	2,07
Asthma	5	61	5	77	147	0	17	0	18	34	18
Digestive	87	738	106	484	1,416	2	231	1	194	427	1,84
Peptic ulcer disease	1	121	1	71	194	0	26	0	20	46	24
Cirrhosis	4	380	3	176	563	0	97	0	49	146	70
Genitourinary	12	264	8	251	535	0	83	0	85	169	70
Nephritis and nephrosis	6	171	4	146	327	0	49	0	50	100	42
Benign prostatic hypertrophy	0	30	0	0	31	0	10	0	0	10	4
Musculoskeletal	0	41	1	63	106	. 0	10	0	27	37	14
Rheumatoid arthritis	0	2	0	2	4	0	2	0	8	10	
Osteoarthritis	0	0	0	0	0	0	0	0	0	0	
Congenital abnormalities	271	40	232	52	595	25 0	8 0	21 0	7 0	61 0	6
Oral health	0	0	0	0	0						
Injuries	254	2,010	233	923	3,420	13	559	8	227	807	4,22
Unintentional	217	1,297	192	531	2,237	12	375	8	163	558	2,7
Motor vehicle	28	457	22	130	637	2	160	2	55	219	85
Poisoning	13	75 07	7	38	132	1	41	1	13	56	18
Falls	10	87	12	59.	168	1	45	0	51	97	20
Fires	18	29	12	23	83	1	10	1	6	18	10
Drowning	59	172	48	71	349	2	27	1	6	36	3
Occupational	0	88	0	28	115	0	19	0	3	22	1
Intentional	37	712	41	393	1,183	1	184	1	64	249	1,4
Self-inflicted	0	359	0	269	629	0	140	0	49	190	8
Homicide and violence	11	171	15	37	233	1	43	1	15	59	2
War	27	182	27	86	322	0	0	0	0	0	3:
Total	6,485	14,372	5,958	12,273	39,088	123	5,428	91	5,242	10,883	49,9

Note: FSE, Formerly socialist economies of Europe; EME, established market economies.



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Key

In each table, economies are listed within their groups in ascending order of GNP per capita except those for which no GNP per capita can be calculated. These are italicized, in alphabetical order, at the end of their group. The ranking below refers to the order in the tables. Note that two economies, Zimbabwe and Botswana, with recently revised population data, have not been moved in the list to reflect their new ranking.

The key shows the years of the most recent census and the years of the latest demographic survey or vital registration-based estimates. This information is included to show the currentness of the sources of demographic indicators, which can be a reflection of the overall quality of a country's indicators. Beyond these years, demographic estimates may be generated by projection models, extrapolation routines, or other methods. Other demographic indicators, such as life expectancy, birth and death rates, and under-5 mortality rates,

are usually derived from the same sources. Explanations of how World Bank estimates and projections are derived from the sources, as well as more information on the sources, are given in *World Population Projections*, 1992–93 Edition.

Figures in colored bands in the tables are summary measures for groups of economies.

The letter w means weighted average; m, median value; t, total.

All growth rates are in real terms.

Data cutoff date is April 30, 1993.

The symbol . . means not available

The figures 0 and 0.0 mean zero or less than half the unit shown.

A blank means not applicable.

Figures in italics indicate data that are for years or periods other than those specified.

The symbol † indicates economies classified by the United Nations or otherwise regarded by their authorities as developing.

Economy	Country ranking in tables	Population census	Infant mortality	Total fertility
Algeria	73	1987	1985	1984
Argentina	89	1 99 1	1988	1990
Armenia	<i>7</i> 5	1989	1991	1991
Australia	113	1 99 1	1990	1990
Austria	117	1981	1991	1991
Azerbaijan	67	1989	1991	1991
Bangladesh	12	1991	1989	1989
Belarus	93	1989	1991	1991
Belgium	116	1991	1991	1991
Benin	24	1979	1981-82	1981–82
Bhutan	5	1969		1984
Bolivia	41	*1992	1989	1989
Botswana	84	1991	1988	1988
Brazil	91	· 1991	1986	1986
Bulgaria	71	1985	1991	1991
Burkina Faso	17	1985	1976	1961
Burundi	8	1979	1987	1987
Cameroon	46	1987	1991	1991
Canada	119	1991	1990	1991
Central African Rep.	25	1975	1975	1959

Есопоту	Country ranking in tables	Population census	Infant mortality	Total fertility
Chad	9	1964	1964	1964
Chile	76	1982	1990	1990
China	22	1990	1990	1987
Colombia	57	1985	1990	1990
Congo	55	1984	1974	1974
		_	_	
Costa Rica	72	1984	1990	1990
Côte d'Ivoire	42	1988	1979	1988
Czechoslovakia	81	1991	1991	1991
Denmark	122	1981	1991	1991
Dominican Rep.	48	1990	1991	1991
Ecuador		1990	1989	1989
Egypt, Arab Rep.	37	1986	1988	1988
El Salvador	54	1971	1988	1988
Estonia	98	1989	1990	1990
Ethiopia	3	19 84		1988
Finland	123	1990	1991	1991
France	118	1990	1991	1991
Gabon	97	1981	1960-61	1960-61
Georgia	66	1989	1991	1991
Germany ^b	121	1987	1991	1991
Ghana	26	1984	1988	1988
	_		•	
Greece	103	1991	1991	1991
Guatemala	47	1981	1987	1987
Guinea	29	1983	1954–55	1954-55
Guinea-Bissau	6	1989	1991	1991
Haiti		1982	1987	1987
Honduras	34	1988	1987-88	1987-88
†Hong Kong	110	1991	1990	1990
Hungary	87	1990	1991	1991
India	19	1991	1986	1985
Indonesia	36	1990	1991	1991
Iran, Islamic Rep.	77	1986	1986	1975
Ireland	106	1986	1990	1991
†Israel	107	1983	1990	1990
Italy	114	1991	1991	1991
Jamaica	60	1991	1989	1990
			<u> </u>	_
Japan	126	1990	1991	1991
Jordan	51	1979	1990-91	1990-91
Kazakhstan	82	1989	1991	1991
Kenya	20	1989	1989	1989
Korea, Rep.	102	1990	1985	1985
Kyrgyzstan	64	1989	1991	1991
Lao PDR	8	1985	1988	1988
Latvia	95	1989	1990	1990
Lesotho	35	1986	1977	1986
Lithuania	86	1989	1991	1991
Madagascar	10	1974-75	1992	1992
Malawi	14	1987	1982	1977
Malaysia	83	1991	1988	1984
Mali	16	1987	1987	1987
Mauritania	32	1988	1975	1987-88
Mauritius	80	1990	1991	1987
Mexico	92	1990	1987	1987
Moldova	78	1989	1991	1991
Morocco	50	1982	1992	1992
Mozambique	1	1980	1980	1980

Economy	Country ranking in tables	Population census	Infant mortality	Total fertilit
Namibia	62	1991		1992
Nepal	7	1991	 1987	
Netherlands	115	1991	1991	1987
New Zealand	108	1991	1991	1991
Nicaragua	30	1971	1991 1985	1991
Niger	18			1985
Nigeria		1988	1992	1992
Norway	21	*1991	1990	1990
Oman	124	1980	1991	1991
Oman Pakistan	100		1986	1986
_	27	1981	1990-91	1990-91
Рапата	74	1990	1985-87	1990
Papua New Guinea	45	1 99 0	1980	1980
Paraguay	58	1982	1990	1990
Peru	53	1981	1991-92	1991-92
Philippines	44	1990	1986	1988
Poland	70	1988	1991	1991
Portugal	99	1991	1991	1991
Puerto Rico	101			1771
Romania	61	1992	1990	1000
Russian Federation	94	1989	1991	1990 1991
Rwanda	15			
Saudi Arabia	104	1991	1983	1992
Senegal		*1992		
Sierra Leone	43	1988	1986	1986
Singapore	11 111	1985	1971	1975
		1990	1991	1991
South Africa	85	1985	1980	1981
Spain	109	1992	1 99 0	1990
Sri Lanka	31	1981	1988	1989
Sudan	39	1983	1989-90	1989-90
Sweden	125	1990	1991	1991
Switzerland	127	1980	1991	1991
Syrian Arab Rep.	56	1981	1981	1981
Tajikistan	52	1989	1991	1991
Tanzania	2	1988	1991-92	1991-92
<u> Thailand</u>	65	1990	1989	1987
Годо	28	1981	1988	1988
Trinidad and Tobago	96	1990	1989	1989
Tunisia 💮	63	1984	1988	
Turkey	69	1990	1988	1990
Turkmenistan	68	1989	1991	1988 1991
Jganda	4	1991		
Jkraine	79		1988-89	1988-89
Inited Kingdom	112	1989	1991	1991
Jnited Kingdom Jnited States		1992	1991	1991
Jruguay	120 90	1990 1985	1991	1991
 			1990	1990
Jzbekistan Zanana	59	1989	1991	1991
/enezuela	88	1990	1989	1989
emen Rep.	33	1986/1988	1991-92	1991~92
ʻugoslavia ^c	105	1991	1990	1990
Zambia	40	. 1990	1992	1992
Zimbabwe	38	1982	1988-89	1988-89

^{*} Census data are not yet incorporated in the population estimates.

Note: Economies with sparse data or with populations of more than 30,000 and fewer than 1 million are included only as part of the country groups in the main tables but are shown in greater detail in Table 1a. For data comparability and coverage throughout the tables, see the technical notes.

a. In all tables data refer to the former Czechoslovakia; disaggragated data are not yet available. b. In all tables, data refer to the unified Germany, unless otherwise stated. c. In all tables, data refer to the former Socialist Federal Republic of Yugoslavia; disaggregated data are not yet available.



Introduction

This sixteenth edition of the World Development Indicators provides economic, social, and natural resource indicators for selected periods or years for 200 economies and various analytical and geographic groups of economies. Although most of the data collected by the World Bank are on low- and middle-income economies, comparable data for high-income economies, where readily available, are also included in the tables. Additional information may be found in the World Bank Atlas, World Tables, World Debt Tables, and Social Indicators of Development. These data are now also available on diskette, in the World Bank's \$TARS\$ retrieval system.

Changes in this edition

With the independence of several new economies during the past year, coupled with space limitations in the main tables, a new criterion—data availability—has been introduced. To be included in the main tables, an economy must have reasonable coverage of key socio-economic indicators. Basic indicators for economies excluded for lack of data are presented, along with countries with fewer than 1 million population, in Table 1a, following Table 33.

To preserve a 20-year interval between the two years shown for most indicators, the earliest year presented has been changed from 1965 to 1970 or 1975. Readers wanting data for earlier periods can refer to previous editions or to the publications noted above, which present data in time series.

The following changes have also been made. (They are described more fully in the technical notes.)

Estimates of fish products as a percentage of daily protein supply have been added to Table 4, Agriculture and food, because fish is an important source of protein for some countries and is not included in the food production per capita estimates in the table.

Table 21, Total external debt, includes two new indicators: total arrears on long-term debt outstanding and disbursed, and ratio of present value to nominal value of debt. Total arrears denotes principal and interest due but not paid, and the present value to nominal value of debt is a measure of the degree of

concessionality of a country's external obligations.

Table 24, Total external debt ratios, includes two new indicators: concessional debt as a percentage of total external debt, and multilateral debt as a percentage of total external debt. These two sources of external financing are shown separately to reflect their importance for many developing economies.

In Table 28, *Health and nutrition*, the prevalence of malnutrition in children under 5 is used; it is considered a better measure of nutritional status than the previously used indicator, daily calorie supply.

Table 30, on income estimates, has been refined to make use of the purchasing power of currencies (PPCs). It contains country-specific observations as well as data derived from a regression equation.

Classification of economies

The main criterion used to classify economies and broadly distinguish different stages of economic development is GNP per capita. This year the per capita income groups are low-income, \$635 or less in 1991 (40 economies); middle-income, \$636 to \$7,909 (65 economies); and high-income, \$7,910 or more (22 economies). Economies with populations of fewer than 1 million and those with sparse data are not shown separately in the main tables but are included in the aggregates. Basic indicators for these economies may also be found in Table 1a.

Further classification of economies is by geographic location. "Europe and Central Asia" now includes the newly independent economies of the former Soviet Union. Economies formerly grouped in "Other economies" are now included in the appropriate income and geographic groupings. Other classifications include severely indebted middle-income economies and fuel exporters. (See Definitions and data notes, and the tables on classification of economies at the back of this book.)

Methodology

The Bank continually reviews methodology in an effort to improve the international comparability and analytical significance of the indicators. Differences

between data in this year's and last year's edition reflect not only updates but also revisions to historical series and changes in methodology.

All dollar figures are U.S. dollars unless otherwise stated. The various methods used for converting from national currency figures are described in the technical notes.

Summary measures

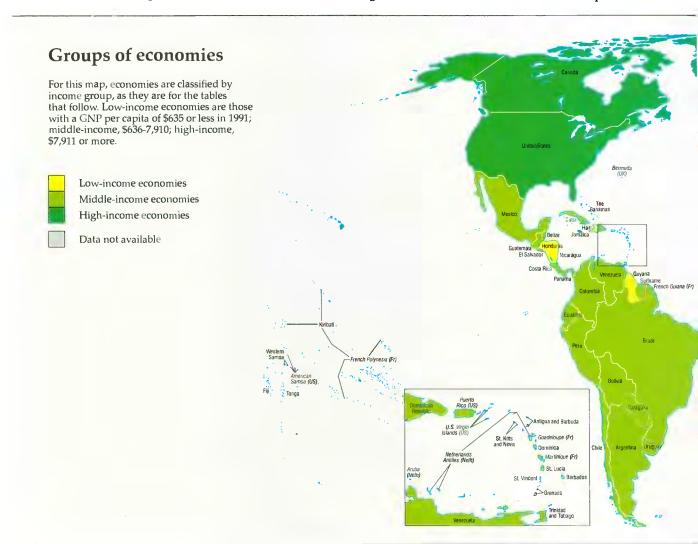
The summary measures in the colored bands are totals (indicated by t), weighted averages (w), or median values (m) calculated for groups of economies. Countries for which individual estimates are not shown, because of size, nonreporting, or insufficient history, have been implicitly included by assuming that they follow the trend of reporting countries during such periods. This gives a more consistent aggregate measure by standardizing country coverage for each period shown. Group aggregates include countries for which country-specific data do not appear in the tables. Where missing information accounts for a

third or more of the overall estimate, however, the group measure is reported as not available. The weightings used for computing the summary measures are stated in each technical note.

Terminology and data coverage

In these notes the term "country" does not imply political independence but may refer to any territory whose authorities present for it separate social or economic statistics.

The unified Germany does not yet have a fully merged statistical system. Throughout the tables, data for Germany are footnoted to explain coverage; most economic data refer to the former Federal Republic, but demographic and social data generally refer to the unified Germany. The data for China do not include Taiwan, China, but footnotes to Tables 14, 15, 16, and 18 provide estimates of the international transactions for Taiwan, China. In all tables, Czechoslovakia refers to the former Czechoslovakia and Yugoslavia to the former Socialist Federal Repub-



lic of Yugoslavia because disaggregated data are not yet available.

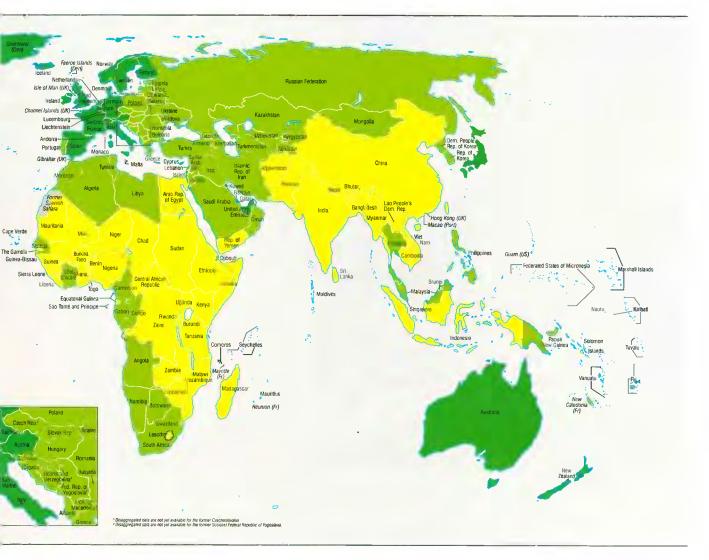
Table content

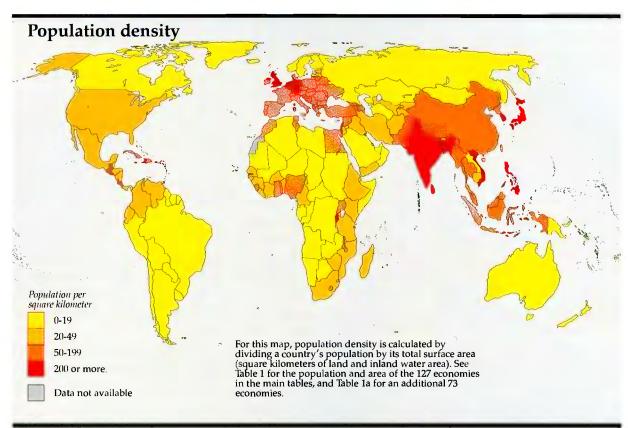
The indicators in Table 1 give a summary profile of economies. Data in the other tables fall into six broad areas: production, domestic absorption, fiscal and monetary accounts, core international transactions, external finance, and human and natural resources. The table format of this edition follows that of previous years. In each group, economies are listed in ascending order of GNP per capita, except those for which no such figure can be calculated. These are italicized and in alphabetical order at the end of the group deemed appropriate. This order is used in all tables except Table 19, which covers only high-income OPEC and OECD countries. The alphabetical list in the key shows the reference number for each economy; here, too, italics indicate economies with no current estimates of GNP per capita. Economies in the high-income group marked by the symbol † are those classified by the United Nations or otherwise regarded by their authorities as developing.

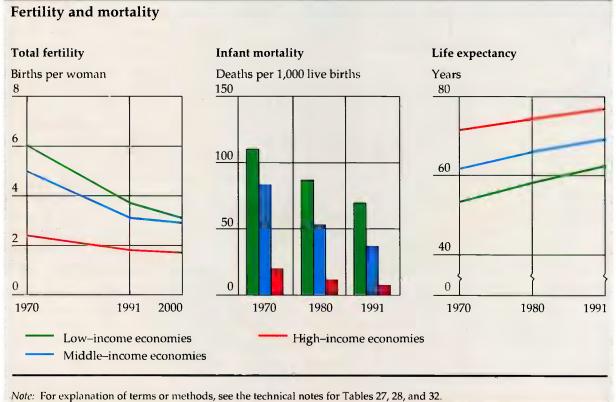
Technical notes

The technical notes and the footnotes should be referred to in any use of the data. The notes outline the methods, concepts, definitions, and data sources used in compiling the tables. A bibliography at the end of the notes lists the data sources, which contain comprehensive definitions and descriptions of concepts used. Country notes to the *World Tables* provide additional explanations of sources used, breaks in comparability, and other exceptions to standard statistical practices that Bank staff have identified in national accounts and international transactions.

Comments and questions relating to the World Development Indicators should be addressed to Socio-Economic Data Division, International Economics Department, The World Bank, 1818 H Street, N.W., Washington, D.C. 20433.







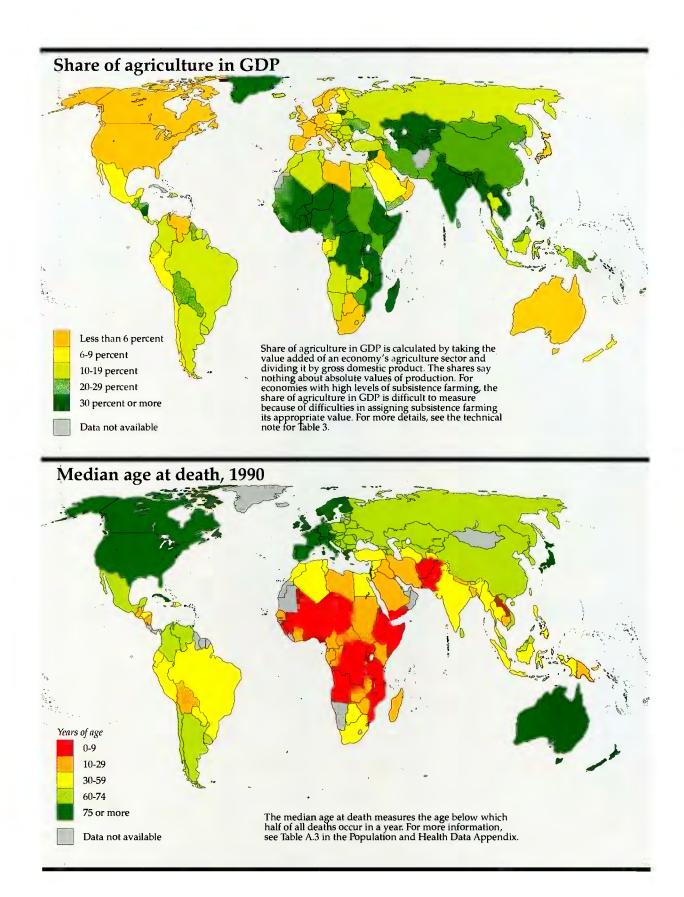


Table 1. Basic indicators

		An		er capita ^a	Averao	annual	Life	Adult ili	litaracı
	Population	Area (thousands		Average annual growth rate	rate of i	nflation ^a	expectancy at birth	Adult til (perc	
	(millions) mid-1991	of square kilometers)	Dollars 1991	(percent)		cent)	(years)	Female	Total
Low-income economies	3,127.3 t	38,828 t	350 w	1980-91	1970-80 8.2 w	1980-91 12.6 w	1991	1990	1990
China and India Other low-income	2,016.0 <i>t</i> 1,111.2 <i>t</i>	12,849 t 25,980 t	350 w 350 w	5.6 w 1.0 w	4.3 w 15.7 w	6.9 w 23.4 w	62 w 66 w 55 w	52 w 50 w 56 w	40 1 37 1 45 1
1 Mozambique2 Tanzania	16.1 25.2	802 945	80 100	-1.1 -0.8	14.1	37.6	47	79	67
3 Ethiopia	52.8	1,222	120	-0.8 -1.6	4.3	25.7 2.4	51 48		
4 Uganda 5 Bhutan	16.9 1.5	236 47	170 180			8.4	46 48	65 75	52 62
6 Guinea-Bissau	1.0	36	180	1.1	5.7	56.2	39		64
7 Nepal	19.4	141	180	2.1	8.5	9.1	53	87	74
8 Burundi 9 Chad	5.7 5.8	28 1,284	210 210	1.3 3.8	10.7 7.7	4.3 1.1	48 47	60 82	50 70
10 Madagascar	12.0	587	210	-2.5	9.9	16.8	51	27	20
11 Sierra Leone12 Bangladesh	4.2 110.6	72 144	210	-1.6	12.5	59.3	42	89	79
13 Lao PDR	4.3	237	220 220	1.9	20.8	9.3	51 50	78	65
14 Malawi 15 Rwanda	8.8 7.1	118 26	230 270	0.1 -2.4	8.8 15.1	14.9	45		
16 Mali	8.7	1,240	280	-0.1	9.7	4.1	46	63	50
17 Burkina Faso	9.3	274	290	1.2	9.7 8.6	4.4 3.8	48 48	76 91	68 82
18 Niger 19 India	7.9 866.5	1,267 3,288	300 330	-4.1 3.2	9.7 8.4	2.3	46	83	72
20 Kenya	25.0	580	340	0.3	10.1	8.2 9.2	60 59	66 42	52 31
21 Nigeria	99.0	924	340	-2.3	15.2	18.1	52	61	49
22 China 23 Haiti	1,149.5 6.6	9,561 28	370 370	7.8 -2.4	0.9 9.3	5.8 7.1	69 55	38 53	27 47
24 Benin	4.9	113	380	-0.9	10.3	1.6	51	33 84	77
25 Central African Rep.	3.1	623	390	-1.4	12.1	5.1	47	75	62
26 Ghana 27 Pakistan	15.3 115.8	239 796	400 400	-0.3 3.2	35.2 13.4	40.0 7.0	55	49	40
28 Togo	3.8	57	410	-1.3	8.9	4.4	59 54	79 69	65 57
29 Guinea 30 Nicaragua	5.9 3.8	246 130	460 460	-4.4	12.8	583.7	44 66	87	76
31 Sri Lanka	17.2	66	500	2.5	12.3	11.2	71	17	12
32 Mauritania 33 Yemen, Rep.	2.0	1,026	510	-1.8	9.9	8.7	47	79	66
33 Yemen, Rep.34 Honduras	12.5 5.3	528 112	520 580	-0.5	8.1	6.8	52 65	74 29	62 27
35 Lesotho	1.8	30	580	-0.5	9.7	13.6	56		
36 Indonesia37 Egypt, Arab Rep.	181.3 53.6	1,905	610	3.9	21.5	8.5	60	32	23
38 Zimbabwe	10.1	1,001 391	610 650 ^a	1.9 -0.2	9.6 9.4	12.5 12.5	61 60	66 40	52 33
39 Sudan 40 Zambia	25.8 8.3	2,506 753			14.5		51	88	73
Middle-income economies Lower-middle-income	1,401.0 <i>t</i> 773.8 <i>t</i>	40,796 t 19,309 t	2,480 w 1,590 w	0.3 w -0.1 w	7.6 28.4 w	67.1 w	68 w	35 26 w	27 21 w
41 Bolivia	7.3	1,099	650	-2.0	22.8 w	23.1 w	67 W	32 w	26 w
42 Côte d'Ivoire	12.4	322	690	-2.0 -4.6	21.0 13.0	263.4 3.8	59 52	29 60	23 46
43 Senegal 44 Philippines	7.6 62.9	197 300	720 730	0.1 -1.2	8.5	6.0	48	75	62
45 Papua New Guinea	4.0	463	830	-0.6	13.3 9.1	14.6 5.2	65 56	11 62	10 48
46 Cameroon	11.9	475	850	-1.0	9.8	4.5	55	57	46
47 Guatemala 48 Dominican Rep.	9.5 7.2	109 49	930 940	-1.8 -0.2	10.5 9.1	15.9	64	53	45
49 Ecuador	10.8	284	1,000	-0.6	13.8	24.5 38.0	67 66	18 16	17 14
50 Morocco	25.7	447	1,030	1.6	8.3	7.1	63	62	51
51 Jordan ^c 52 Tajikistan ^d	3.7 5.5	89 143	1,050 1,050	-1.7		1.6	69 69	30	20
53 Peru	21.9	1,285	1,070	2.4	30.1	287.3	64	21	15
54 El Salvador 55 Congo	5.3 2.4	21 342	1,080 1,120	-0.3 -0.2	10.7 8.4	17.4 0.4	66 52	30 56	27 43
56 Syrian Arab Rep.	12.5	185	1,160	-1.4	11.8	14.3	67	49	36
57 Colombia	32.8	1,139	1,260	1.2	22.3	25.0	69	14	13
58 Paraguay 59 Uzbekistan ^d	4.4 20.9	407 447	1,270 1,350	-0.8	12.7	25.1	67 69	12	10
60 Jamaica	2.4	11	1,380	0.0	17.3	19.6	73	i	ż
51 Romania 52 Namibia	23.0	238	1,390	0.0	٠.	6.2	70		
53 Tunisia	1.5 8.2	824 164	1,460 1,500	-1.2 1.1	8.7	12.6 7.3	58 67	44	35
54 Kyrgyzstan ^d 55 Thailand	4.5 57.2	199	1,550		9.2	3.7	66		
66 Georgia ^d		513	1,570	5.9	9.2		69	10	
o Georgia	5.5	70	1,640	··	• • •	• •	73		

Note: For other economies see Table 1a. For data comparability and coverage, see the technical notes. Figures in italics are for years other than those specified.

				GNP p	er capita ^a	Average	annual	Life	Adult ill	litaracy
		Population	Area (thousands		Average annual growth rate	rate of in		expectancy at birth	(perc	
		(millions)	of square	Dollars	(percent)	(pero		(years)	Female	Total
		mid-1991	kilometers)	1991	1980-91	1970-80	1980-91	1991	1990	1990
67 68	Azerbaijan ^d Turkmenistan ^d	7.1 3.8	87 488	1,670 1,700				71 66		
69	Turkey	57.3	779	1,780	2.9	29.4	44.7	67	29	19
70	Poland	38.2	313	1,790	0.6		63.1	71		
71_ 72	Bulgaria Costa Rica	9.0	111 51	1,840 1,850	1.7 0.7	15.3	7.8 22.9	72 76	7	7
73	Algeria	25.7	2,382	1,980	-0.7	14.5	10.1	66	55	43
74	Panama	2.5	77	2,130	-1.8	7.5	2.4	73	12	12
75	Armenia ^d	3.4	30	2,150	· ·	100 1	20.5	72 72	• :	
76	Chile	13.4	757	2,160	1.6	188.1 22.4	20.5	72 65	7 57	7 46
77 78	Iran, Islamic Rep. Moldova ^d	57.7 4.4	1,648 34	2,170 2,170	-1.3	22.4	13.8	69		40
79	Ukrained	52.0	604	2,340				70		
80	Mauritius	1.1	2	2,410	6.1	15.3	8.1	70		
81	Czechoslovakiae	15.7	128	2,470	0.5		3.5	72		
82	Kazakhstan ^d	16.8 18.2	2,717	2,470 2,520	2.9	7.3	1.7	69 71	30	22
83	Malaysia pper-middle-income	627.0 t	330 21,486 t	3,530 w	0.6 w	31.7 w	95.4 w	69 w	17 w	14 1
84	Botswana	1.3	582	2,530° k	5.6	11.6	13.2	68	35	26
85	South Africa	38.9	1,221	2,560	0.7	13.0	14.4	63		
86	Lithuania ^d	3.7	65	2,710				71		
87	Hungary	10.3	93	2,720	0.7	2.8	10.3	70 70		
88	Venezuela	19.8	912	2,730	-1.3	14.0	21.2	70	10	12
89 90	Argentina Uruguay	32.7 3.1	2,767 177	2,790 2,840	-1.5 -0.4	133.9 65.1	416.9 64.4	71 73	4	4
91	Brazil	151.4	8,512	2,940	0.5	38.6	327.6	66	20	19
92	Mexico,	83.3	1,958	3,030	-0.5	18.1	66.5	70	15	13
93	Belarus ^d	10.3	208	3,110			• •	71		
94	Russian Federation ^d	148.7	17,075	3,220				69		
95 96	Latvia ^d Trinidad and Tobago	2.6 1.3	65 5	3,410 3,670	-5.2	18.5	6.5	69 71		
97	Gabon	1.2	268	3,780	-4.2	17.5	1.5	54	52	39
98	Estonia ^d	1.6	45	3,830				70		
99	Portugal	9.9	92	5,930	3.1	16.7	17.4	74	19	15
100	Oman	1.6	212 9	6,120	4.4	28.0	-3.1	69 76		
101 102	Puerto Rico Korea, Rep.	3.6 43.3	99	6,320 6,330	0.9 8.7	6.5 20.1	3.4 5.6	76 70	· ;	4
103	Greece	10.3	132	6,340	1.1	14.5	17.7	77	11	7
104	Saudi Arabia	15.4	2,150	7,820	-3.4	24.9	-2.4	69	52	38
105	Yugoslaviae	23.9	256			18.4	123.0	73	12	7
	/- and middle-income	4,528.0 t 488.9 t	79,624 t 23,066 t	1,010 w 350 w	1.0 w -1.2 w	21.8 w 13.9 w	53.9 w 18.4 w	64 w 51 w	46 w 62 w	35 H 50 H
	ub-Saharan Africa ast Asia & Pacific	1,666.5 t	16,369 t	650 w	6.1 w	9.1 w	6.3 w	68 w	34 w	24 H
	outh Asia	1,152.2 t	5,133 t	320 w	3.1 w	9.7 w	8.3 w	59 w	69 w	54 H
	urope and Central Asia	492.0 t	2,314 t	2,670 w	0.9 w	18.7 w	18.2 w	70 w	22 w	16 x
	liddle East & N. Africa atin America & Caribbean	244.1 <i>t</i> 445.3 <i>t</i>	11,015 t 20,507 t	1,940 w 2,390 w	−2.4 w −0.3 w	18.8 w 43.1 w	8.6 w 208.2 w	64 w 68 w	57 w 17 w	45 H 16 H
-	erely indebted	486.2 t	23,574 t	2,350 w	-1.0 w	39.1 w	189.6 w	67 w	27 w	22 H
	h-income economies	822.3 t	31,682 t	21,050 w	2.3 w	9.1 w	4.5 w	77 w	5 w	4 H
	ECD members	783.1 t	31,135 t	21,530 w	2.3 w	9.0 w	4.3 w	77 w	5 w	4 1
	Ireland	3.5	70	11,120	3.3	14.2	5.8	75		
	Israel	4.9	21	11,950	1.7	39.5	89.0	76 76	٠.	٠.
	New Zealand	3.4 39.0	271 505	12,350 12,450	0.7 2.8	12.5 16.1	10.3	76 77	f 7	f 5
109 110 ±	Spain Hong Kong	5.8	303 1	12,430g 13,430g	5.6	9.2	8.9 7.5	78		
	Singapore	2.8	1	14,210	5.3	5.9	1.9	74		
112	United Kingdom	57.6	245	16,550	2.6	14.5	5.8	75	f	f
113	Australia	17.3	7,687	17,050	1.6	11.8	7.0	77	f	f
114	Italy Natharlands	57.8 15.1	301 37	18,520 18,780	2.2 1.6	15.6 7.9	9.5 1.8	77 77	f f	f f
115	Netherlands Belgium	10.0	31	18,950	2.0	7.8	4.2	76	f	f
110	Austria	7.8	84	20,140	2.0	6.5	3.6	76	. f	f
118	France	57.0	552	20,380	1.8	10.2	5.7	77	f	f
119	Canada	27.3	9,976	20,440	2.0	8.7	4.3	77 76	f	f
120	United States	252.7	9,373	22,240	1.7 2.2 ^h	7.5 5.1 ^h	4.2 2.8 ^h	76 76 ^h	f f	f
	Germany ^e Denmark	80.1 5.2	357 43	23,650 ^h 23,700	2.2"	5.1" 10.1	5.2	76" 75	t f	f f
	Dominark	5.2 5.0	338	23,700	2.5	12.3	6.6	76	ŕ	f
122	Finland				2.2				•	f
122 123 124	Norway	4.3	324	24,220	2.3	8.4	5.2	77	f	
122 123 124 125	Norway Sweden	4.3 8.6	450	25,110	1.7	10.0	7.4	78	f	f
122 123 124 125 126	Norway Sweden Japan	4.3 8.6 123.9	450 378	25,110 26,930	3.6	10.0 8.5	7.4	78 79	f f	f f
121 122 123 124 125 126 127	Norway Sweden Japan Switzerland	4.3 8.6	450	25,110	1.7	10.0	7.4	78	f	f

[†] Economies classified by the United Nations or otherwise regarded by their authorities as developing. a. See the technical notes. b. In all tables GDP and GNP data cover mainland Tanzania only. c. In all tables, data for Jordan cover the East Bank only. d. Estimates for economies of the former Soviet Union are subject to more than the usual range of uncertainty and should be regarded as very preliminary. e. See the footnotes to the Key for data coverage. f. According to UNESCO, illiteracy is less than 5 percent. g. Data refer to GDP. h. Data refer to the Federal Republic of Germany before unification.

Table 2. Growth of production

	GI)P	Agricu			rowth rate (perc lustry	Manufac	turinoà	Services, etc.b	
	1970-80	1980-91	1970-80	1980-91	1970-80	1980-91	1970-80	1980-91	1970-80	1980-91
Low-income economies China and India Other low-income	4.5 w 4.3 w 4.8 w	6.0 w 7.5 w 3.7 w	2.1 w 2.2 w 2.1 w	3.7 w 4.4 w 2.5 w	6.3 w 6.3 w 6.4 w	7.5 w 9.3 w 4.0 w	7.2 w 7.6 w 5.7 w	9.3 w 9.9 w 6.8 w	5.7 w 5.2 w 6.5 w	7.0 8.8 4.8
1 Mozambique 2 Tanzania 3 Ethiopia 4 Uganda	3.0 1.9	-0.1 2.9 1.6	0.7 0.7	1.6 4.4 0.3	2.6 1.6	-3.6 -2.4 1.8	3.7 2.5	-0.8 1.9	8.4 3.9	-1.7 2.0 3.1
5 Bhutan		7.6		4.8		14.8		15.2		7.3
6 Guinea-Bissau 7 Nepal	2.4	3.7	-1.2 0.5	5.0 4.9	2.1	2.6			11.0	2.8
8 Burundi 9 Chad ^c 10 Madagascar	4.2 0.1 0.5	4.0 5.5 1.1	3.2 -0.4 0.4	3.1 3.4 2.4	11.6 -2.1 0.6	4.6 7.1 0.9	3.8	5.8	3.5 2.2 0.6	5.4 7.3 0.2
Sierra Leone Bangladesh ^c Lao PDR ^c	1.6 2.3	1.1 4.3	6.0 0.6	2.7	-3.2 5.2	-0.8 4.9	-2.1 5.1	-1.4 2.9	2.3	0.9 5.6
14 Malawi 15 Rwanda ^c	5.8	3.1 0.6	4.4 7.1	2.4	6.3	3.3	4.9	3.9 0.5	7.0	3.7
16 Mali ^c 17 Burkina Faso 18 Niger 19 India	4.9 4.4 1.7	2.5 4.0 -1.0	4.2 1.0 -3.7	2.4 3.2	2.0 2.5 11.3	4.0	4. i	2.6	6.9 19.9 2.9	2.4 5.4
20 Kenya	3.4 6.4	5.4 4.2	1.8	3.2	4.5 8.6	6.3 4.0	4.6 9.9	6.7 4.9	4.6 6.8	6.7 4.9
21 Nigeria 22 China ^c 23 Haiti	4.6 5.2 3.7	1.9 9.4 -0.7	-0.1 2.6	3.5 5.7	7.3 7.8 ^d	-0.4 11.0 ^d	5.2 9.5	1 <i>i</i> . <i>i</i>	9.6 6.1	3.1 11.2
24 Benin ^c 25 Central African Rep.	2.2 2.4	2. <i>4</i> 1.4	1.8 1.9	4.9 2.4	1.4 4.1	3.6 3.2		4.8	2.7 2.3	0.5 -0.2
26 Ghana 27 Pakistan 28 Togo	-0.1 4.9 4.0	3.2 6.1 1.8	-0.3 2.3 1.9	1.2 4.2 5.3	-1.0 6.1 7.7	3.7 7.5 1.5	-0.5 5.4	4.1 7.8 2.5	1.1 6.3 3.6	6.6 6.6 -0.2
29 Guinea ^c 30 Nicaragua ^c	i.i	-1.9	1.9	-2.2	1.1	-1.7	2.8	-3.1	0.4	-1.7
Sri Lanka Mauritania Yemen, Rep. ^c	4.1 1.3	4.0 1.4	2.8 -1.0	2.3 0.7	3.4 0.5	4.7 4.9	1.9	6.3	5.7 3.7	4.6 0.5
Honduras Lesotho	5.8 8.6	2.7 5.5	2.2 0.2	2.9	6.7 27.8	3.3 8.2	6.9	3.7	7.1 13.6	2.5 5.3
 Indonesia^c Egypt, Arab Rep. Zimbabwe Sudan 	7.2 9.5 1:6 5.6	5.6 4.8 3.1	4.1 2.8 0.6 3.3	3.1 2.4 2.2	9.6 9.4 <i>1.1</i> 4.5	5.9 4.2 2.1	14.0 2.8 3.9	12.3 3.1	7.7 17.5 2.4 8.1	6.8 6.2 4.0
40 Zambia ^c	1.4	0.8	2.1	3.3	1.5	0.9	2.4	3.7	1.2	0.0
Aiddle-income economies Lower-middle-income	••	2.3 w 2.7 w	• • •	• •	·· ,			• •		• •
H Bolivia ^c Côte d'Ivoire Senegal ^c	4.5 6.6 2.3	0.3 -0.5 3.1	3.9 2.7 1.3	1.8 -1.2 2.7	2.6 9.1 5.3	-0.8 -1.6 3.8	6.0	-0.1 5.1	6.8 10.9 2.0	-0.1 0.8 3.0
Philippines ^c Papua New Guinea ^c	6.0 2.2	1.1 2.0	4.0 2.8	1.1 1.6	8.2	-0.5 2.4	6.1	0.4 0.3	5.1	2.8 1.8
6 Cameroon ^c 67 Guatemala ^c 8 Dominican Rep. ^c	7.2 5.8 6.5	1.4 1.1 1.7	4.0 4.6 3.1	1.1 1.2 0.3	10.9 7.7 8.3	2.2 -0.2 1.6	7.0 6.2 6.5	-7.0 0.6	7.8 5.6 7.2	1.1 1.0 2.3
9 Ecuador ^c 0 Morocco ^c	9.6 5.6	2.1 4.2	2.8 1.1	4.4 6.8	13.9 6.5	1.1 3.0	10.5	-0.1 4.2	9.5 7.0	2.1 4.2
1 Jordan 2 Tajikistan		-1.5		8.1		-0.2		1.4		-2.7
3 Peru ^c 4 El Salvador ^c 5 Congo ^c	3.5 4.2 5.8	-0.4 1.0 3.3	0.0 3.4 2.5	2.2 -0.4 3.3	4.4 5.2 10.3	-1.1 1.6 4.7	3.1 4.1	-0.7 1.4 6.3	4.6 4.0 4.5	-0.9 1.1 2.4
6 Syrian Arab Rep. ^c 7 Colombia 8 Paraguay ^c	9.9 5.4 8.5	2.6 3.7 2.7	8.6 4.6 6.2	-0.6 3.2 3.6	9.0 5.1 11.2	6.8 4.8 0.2	5.8	3.4 2.2	11.1 5.9 8.6	1.6 3.1 3.5
9 Uzbekistan 0 Jamaica ^c	-1.2	1.6	0.3	1.0	-3.4	2.6	-2.1	2.5	0.0	1.1
1 Romania 2 Namibia 3 Tunisia	6.3	0.1 1.0		0. I 0. 3		-0.8 -2.0		i.7		1.9 3.1
54 Kyrgyzstan ^c 55 Thailand ^c	7.1	7.9	4.1	3.1	9.5	9.6	10.3	6.2 9.4	7.2	8.0
66 Georgia										

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							rowth rate (perc	· · · · · · · · · · · · · · · · · · ·			
		GL		Agriculture			ustry	Manufa		Services, etc.b	
		1970-80	198091	1970-80	1980-91	1970-80	1980-91	1970-80	1980-91	1970-80	1980-9
67	Azerbaijan										
58 59	Turkmenistan Turkey	5.9	5.0	3.4	3.0	6.6	6.0	6.1	7.2	6.5	5.0
70	Poland ^c	3.7	1.1		5.0		0.0	0.1			5.0
71	Bulgaria		1.9		-2.5		3.2				1.4
72	Costa Rica ^c	5.7	3.1	2.5	3.3	8.2	2.9		3.1	5.9	3.2
3	Algeria	4.6	3.0	7.5	5.0	3.8	1.8	7.6	3.3	5.0	3.6
4	Panama ^c	4.4	0.5	2.0	2.1	3.9	-5.7	2.8	-0.4	5.0	1.6
15 16	Armenia ^c Chile ^c	1.4	3.6	2 1	4 1	0.1	2 6	0.0	2.6	2.2	2.4
				3.1	4.1	-0.1	3.6	-0.8	3.6	2.3	3.4
7	Iran, Islamic Rep.	2.2	2.2	3.9	2.5	-4.8	3.9	6.4	-0.1	5.6	1.6
8	Moldova Ukraine					• •		• •			
ó	Mauritius	6.8	6.7	-3.3	3.2	10.4	10.1	<i>7. Ì</i>	11.2	10.9	5.8
ĭ	Czechoslovakia ^c		0.6		-0.4		0.3				1.2
2	Kazakhstan										
3	Malaysia ^c	7.9	5.7		3.7		7.7		9.6		4.7
I	pper-middle-income	6.1 w	2.1 w								
4	Botswana ^c	14.5	9.8	8.3	3.0	17.6	10.7	22.9	7.5	14.5	10.3
5	South Africa	3.0	1.3	3.2	2.6	2.3	0.0	4.7	-0.1	3.8	10.3 2.5
6	Lithuania	3.0	1.5	3.2	2.0	2.5	0.0		-0.1	5.0	2.3
7	Hungary ^c	5.2	0.6	2.8	0.9	6.3	-1.6			5.2	2.4
3	Venezuela ^c	3.5	1.5	3.4	2.8	0.5	2.1	5.7	1.3	6.3	0.9
9	Argentina	2.5	-0.4	2.5	1.5	2.1	-1.4			2.9	0.1
0	Uruguay ^e	3.0	0.6	0.8	0.2	4.1	0.0		0.4	2.9	1.2
1	Brazil	8.1	2.5	4.2	2.6	9.4	1.7	9.0	1.7	7.8	3.2
2	Mexico ^c	6.3	1.2	3.2	0.5	7.2	1.3	7.0	1.8	6.3	1.3
3	Belarus				<u> </u>						
4	Russian Federation										
5 6	Latvia Trinidad and Tobago	5.9	-4.4	- İ. 4	-6.8	5 6		1.7	-8.7	÷ ;	2.2
7	Gabon ^c	9.0	0.2	-1.4	0.9	5.6	-6.6 1.1		-8.7 -1.5	7.4	-2.3 -0.8
8	Estonia				0.5		1.1		-1.5		-0. c
9	Portugal ^c	4.3	2.9								
0	Oman ^c	6.2	7.9		7 İ		9.6		18.3		6.0
ĭ	Puerto Rico ^c	3.9	4.1	2.3	2.2	5.0	3.6	7.9	1.0	3.2	4.6
2	Korea, Rep. c	9.6	9.6	2.7	2.1	15.2	12.1	17.0	12.4	8.8	9.3
3	Greece	4.7	1.8	1.9	0.2	5.0	1.2	6.0	0.4	5.6	2.5
4	Saudi Arabia ^c	10.1	-0.2	5.3	14.0	10.2	-2.9	6.4	8.1	10.3	-0.2
5	Yugoslavia	6.0	0.8	3.1	0.6	8.0	0.8			4.9	1.0
юw	- and middle-income	5.3 w	3.3 w	2.7 w	2.8 w		3.3 w			6.2 w	3.5
	ıb-Saharan Africa	4.0 w	2.1 w	1.5 w	1.8 w	5.3 w	2.0 w	3.5 w	:	5.5 w	2.5
	ast Asia & Pacific	6.6 w	7.7 w	3.1 w	4.3 w	9.4 w	9.4 w	10.5 w	10.6 w	7.1 w	8.6
	outh Asia urope and Central Asia	3.5 w	5.4 w 1.5 w	1.8 w	3.3 w	4.6 w	6.4 w	4.6 w	6.7 w	4.7 w	6.6
	iddle East & N. Africa	5.2 w	2.1 w	4.2 w	3.6 w	3.2 w	0.9 w		3.5 w	7.2 w	2.1
	atin America & Caribbean	5.5 w	1.7 w	3.5 w	1.9 w	6.1 w	1.4 w	8.0 w	1.3 w	6.1 w	2.0
eve	rely indebted	6.1 w	1.7 w	3.8 w	1.5 w	6.7 w	1.4 w	8.2 w	2.0 w	6.4 w	2.2
iot	1-income economies	3.2 w	2.9 w	0.8 w		2.7 w		3.4 w		3.8 w	
	ECD members	3.1 w	2.9 w	0.8 w		2.7 w		3.3 w		3.8 w	
O	Ireland	4.9	3.5								-
	ncianu										
5	†Israel ^e	4.8	3.7								
5 7 · 3	†Israel ^c New Zealand ^c	4.8 1.9	1.5		3.8		1.3		0.7		1.6
5 7 · 3	†Israel ^c New Zealand ^c Spain ^c	4.8 1.9 3.5	1.5 3.2				1.3 				
6 7 · 8 9	†Israel ^c New Zealand ^c Spain ^c †Hong Kong	4.8 1.9 3.5 9.2	1.5 3.2 6.9				1.3	• •			
6 7 8 9 0	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c	4.8 1.9 3.5 9.2 8.3	1.5 3.2 6.9 6.6		-6.6	8.6	1.3 				
6 7 8 9 0	†Israel ^e New Zealand ^e Spain ^e †Hong Kong †Singapore ^e United Kingdom	4.8 1.9 3.5 9.2 8.3 2.0	1.5 3.2 6.9 6.6 2.9	1.4	-6.6 	8.6	5.8	9.7	7.0	8.3	7.3
5 7 3 9 1	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c	4.8 1.9 3.5 9.2 8.3 2.0 3.0	1.5 3.2 6.9 6.6 2.9 3.1	1.4	-6.6 2.9	8.6	5.8	9.7	7.0	8.3	7.3
5 7 3 3 1	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8	1.5 3.2 6.9 6.6 2.9 3.1 2.4	1.4	-6.6 2.9 0.5	8.6 3.6	1.3 5.8 3.0 2.1	9.7	7.0 2.1 2.9	8.3	7.3 3.6 2.7
5 7 8 9 1 1 2 1 5	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1	1.4	-6.6 2.9 0.5 3.7	8.6 3.6 2.3	1.3 5.8 3.0 2.1	9.7	7.0 2.1 2.9	8.3 4.0 3.8	7.3 3.6 2.7 1.8
5 7 3 3 1 1 5	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1	1.4	-6.6 2.9 0.5 3.7	8.6 3.6 2.3	1.3 5.8 3.0 2.1 	9.7	7.0	8.3 4.0 3.8	7.3 3.6 2.7 1.8
6 7 8 9 9 1 1 2 3 4 5 7	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1	1.4	-6.6 2.9 0.5 3.7	8.6 3.6 2.3	1.3 5.8 3.0 2.1	9.7	7.0	8.3 4.0 3.8	7.3 3.6 2.7 1.8
6 7 8 9 9 11 12 23 3 4 4 5 7 8 9	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4 3.4 3.4	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.1 2.3 2.3 3.1	1.4 0.9 3.9	-6.6 2.9 0.5 3.7 1.5	8.6 3.6 2.3	1.3 5.8 3.0 2.1 2.2 2.0	9.7 5.8 3.2	7.0	8.3 4.0 3.8	7.3 3.6 2.7 1.8 1.9 2.2 2.9
6 7 8 9 9 11 12 23 3 4 4 5 7 8 9	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada United States ^c	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.1 2.3 2.3	1.4 0.9 3.9	-6.6 2.9 0.5 3.7 1.5 1.0 1.9	8.6 3.6 2.3	1.3 5.8 3.0 2.1 2.2 2.0 0.9	9.7 5.8 	7.0 2.1 2.9 3.0 2.6 0.6	8.3 4.0 3.8	7.3 3.6 2.7 1.8 1.9 2.2 2.9 3.3
6 7 8 8 9 0 1 1 2 2 3 3 4 4 5 7 7 7 8 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4 3.4 3.4	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.3 2.3 3.1 2.6	1.4 0.9 3.9	-6.6 2.9 0.5 3.7 1.5 1.0 1.9 1.6	8.6 3.6 2.3 3.1 	1.3 5.8 3.0 2.1 2.2 2.0 0.9 3.0	9.7 5.8 3.2 3.5 3.0 2.0	7.0 2.1 2.9 3.0 2.6 0.6 3.1	8.3 4.0 3.8	7.3 3.6 2.7 1.8 1.9 2.2 2.9 3.3
6 7 8 9 0 1 2 3 4 4 5 7 8 9 9 0 1	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada United States ^c Germany ^{c,c} Denmark	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4 3.2 4.6 2.8 2.6 2.2	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.3 2.3 3.1 2.6 2.3 2.3	1.4 0.9 3.9 2.6 2.6 0.6	-6.6 2.9 0.5 3.7 1.5 1.0 1.9 1.6	8.6 3.6 2.3 3.1 3.2 2.1	1.3 5.8 3.0 2.1 2.2 2.0 0.9 3.0 	9.7 5.8 3.2 3.5 3.0 2.0 2.6	7.0 2.1 2.9 3.0 2.6 0.6 3.1 1.4	8.3 4.0 3.8 3.7 6.6 3.3 3.5 2.7	7.3 3.6 2.7 1.8 1.9 2.2 2.9 3.3
6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 2 3 1 2 3 3 1 2 3 3 3 3 3 3 3 3 3 3	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada United States ^c Germany ^c Denmark Finland	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4 4.6 2.8 2.6 2.2 3.1	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.3 2.3 3.1 2.6 2.3 2.3 3.0	1.4 0.9 3.9 2.6 1.2 0.6	-6.6 2.9 0.5 3.7 1.5 1.0 1.9 1.6 	8.6 2.3 3.1 3.2 2.1 1.7 1.1 3.0	1.3 5.8 3.0 2.1 2.2 2.0 0.9 3.0 0.9 2.9 3.0	9.7 5.8 3.2 3.5 3.0 2.0 2.6 3.3	7.0 2.1 2.9 3.0 2.6 0.6 3.1 	8.3 4.0 3.8 3.7 6.6 3.3 3.5 2.7 3.9	7.3 3.6 2.7 1.8 1.9 2.2 2.9 3.3 3.3
6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 4 5 7 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 4 4 4 4 4 4 4 4 3 4 4 4 4 4 4 4	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada United States ^c Germany ^{c,c} Denmark Finland Norway	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4 4.6 2.8 2.6 2.2 3.1 4.8	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.3 2.3 3.1 2.6 2.3 2.3 3.0 2.7	1.4 0.9 3.9 2.6 2.6 0.6	-6.6 2.9 0.5 3.7 1.5 1.0 1.9 1.6 	8.6 3.6 2.3 3.1 3.2 2.1 1.7 1.7 1.1 3.0 7.1	1.3 5.8 3.0 2.1 2.2 2.0 0.9 3.0 0.9 2.9 3.0 5.8	9.7 5.8 3.2 3.5 3.0 2.0 2.6 3.3 1.2	7.0 2.1 2.9 3.0 2.6 0.6 3.1 1.4 1.4 3.1 0.6	8.3 4.0 3.8 3.7 6.6 3.3 3.5 2.7 3.9 3.9	7.3 3.6 2.7 1.8 1.9 2.2 2.9 3.3 2.6 2.1 3.1
6 7 8 9 0 1 2 3 4 4 5 6 7 7 8 9 9 0 1 2 3 3 4 4 5 5 7 7 7 8 9 1 9 1 1 2 3 4 5 5 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada United States ^c Germany ^{c,c} Denmark Finland Norway Sweden	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4 3.2 4.6 2.8 2.6 2.2 3.1 4.8 1.9	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.3 2.3 3.1 2.6 2.3 2.3 3.0 2.7 2.0	1.4 0.9 3.9 2.6 1.2 0.6 1.1 2.3 0.2 1.3	-6.6 2.9 0.5 3.7 1.5 1.0 1.9 1.6 1.8 3.2 -0.2 0.8 1.6	8.6 3.6 2.3 3.1 2.1 1.7 1.1 3.0 7.1	1.3 5.8 3.0 2.1 2.2 2.0 0.9 3.0 0.9 2.9 3.0 5.2 2.8	9.7 5.8 3.2 3.5 3.0 2.0 2.6 3.3 1.2	7.0 2.1 2.9 3.0 2.6 0.6 3.1 1.4 1.4 3.1 0.6 2.5	8.3 4.0 3.8 3.7 6.6 3.3 3.5 2.7 3.9 3.9	7.3 3.6 2.7 1.8 1.9 2.2 2.9 3.3 2.6 2.1 3.1
6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 6 7 6 7 7 8 8 9 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	†Israel ^c New Zealand ^c Spain ^c †Hong Kong †Singapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada United States ^c Germany ^{c,c} Denmark Finland Norway Sweden Japan ^c	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4 3.2 4.6 2.8 2.6 2.2 3.1 4.8 1.9	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.3 2.3 3.1 2.6 2.3 2.3 2.3 2.3 2.3 2.7 2.0	1.4 0.9 3.9 2.6 1.2 0.6 1.1 2.3 0.2 1.3	-6.6 2.9 0.5 3.7 1.5 1.0 1.9 1.6 1.8 3.2 -0.2 0.8 1.6	8.6 3.6 2.3 3.1 2.1 1.7 1.1 3.0 7.1 	1.3 5.8 3.0 2.1 2.2 2.0 0.9 3.0 0.9 2.9 3.0 5.8 4.9	9.7 5.8 3.2 3.5 3.0 2.0 2.6 3.3 1.2 	7.0 2.1 2.9 3.0 2.6 0.6 3.1 1.4 1.4 3.1 0.6 2.5	8.3 4.0 3.8 3.7 6.6 3.3 3.5 2.7 3.9 3.9 4.9	7.3 3.6 2.7 1.8 1.9 2.2 2.9 3.3 3.3 1.1 1.1 1.3 3.7
6 7 8 9 0 1 2 3 4 4 5 6 7 7 8 9 9 0 1 2 3 3 4 4 5 5 7 7 7 8 9 1 9 1 1 2 3 4 5 5 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	tIsrael ^c New Zealand ^c Spain ^c tHong Kong tSingapore ^c United Kingdom Australia ^c Italy ^c Netherlands ^c Belgium ^c Austria ^c France ^c Canada United States ^c Germany ^{c,c} Denmark Finland Norway Sweden Japan ^c Switzerland ^c	4.8 1.9 3.5 9.2 8.3 2.0 3.0 3.8 2.9 3.0 3.4 3.2 4.6 2.8 2.6 2.2 3.1 4.8 1.9	1.5 3.2 6.9 6.6 2.9 3.1 2.4 2.1 2.3 2.3 3.1 2.6 2.3 2.3 3.0 2.7 2.0	1.4 0.9 3.9 2.6 1.2 0.6 1.1 2.3 0.2 1.3	-6.6 2.9 0.5 3.7 1.5 1.0 1.9 1.6 1.8 3.2 -0.2 0.8 1.6	8.6 3.6 2.3 3.1 2.1 1.7 1.1 3.0 7.1	1.3 5.8 3.0 2.1 2.2 2.0 0.9 3.0 0.9 2.9 3.0 5.2 2.8	9.7 5.8 3.2 3.5 3.0 2.0 2.6 3.3 1.2	7.0 2.1 2.9 3.0 2.6 0.6 3.1 1.4 1.4 3.1 0.6 2.5	8.3 4.0 3.8 3.7 6.6 3.3 3.5 2.7 3.9 3.9	7.3 3.6 2.7 1.8 1.9 2.2 2.9 3.3 3.3 3.4 1.1 1.3

a. Because manufacturing is generally the most dynamic part of the industrial sector, its growth rate is shown separately. b. Services, etc. includes unallocated items. c. GDP and its components are at purchaser values. d. World Bank estimate. e. Data refer to the Federal Republic of Germany before unification.

Table 3. Structure of production

	GL (millions o		lollars) Agriculture		Indi	n of gross dom			Services, etc.b	
	1970	1991	1970 1991		1970 1991		Manufacturing ^a 1970 1991		1970	1991
Low-income economies China and India Other low-income	225,563 t 146,193 t 79,034 t	920,160 t 591,577 t 338,471 t	38 w 38 w 39 w	29 w 29 w 29 w	29 w 32 w 21 w	34 w 36 w 29 w	20 w 24 w 10 w	26 w 30 w	33 w 29 w 40 w	38 1 35 1 42 1
Mozambique Tanzania Ethiopia Uganda Bhutan	1,174 1,669 1,286	1,219 2,223 5,982 2,527 240	41 56	64 61 47 51 43	17 14	15 5 13 12 27	10 9	4 9 4 10	42 30	21 34 40 37 29
6 Guinea-Bissau 7 Nepal 8 Burundi 9 Chad ^c 10 Madagascar	79 861 225 302 995	211 3,063 1,035 1,236 2,488	47 67 71 47 24	46 59 55 43 33	21 12 10 18 16	12 14 16 18 14	21 4 7 17	8 5 12 16	31 21 19 35 59	42 27 29 39 53
11 Sierra Leone 12 Bangladesh ^c 13 Lao PDR ^c 14 Malawi 15 Rwanda ^c	383 6,664 271 220	743 23,394 1,027 1,986 1,579	28 55 44 62	43 36 35 38	30 9 17 9	14 16 20 22	6 6 4	3 9 13 20	42 37 39 30	43 48 45 40
16 Mali ^c 17 Burkina Faso 18 Niger 19 India 20 Kenya	338 335 647 52,949 1,453	2,451 2,629 2,284 221,925 7,125	61 42 65 45 33	44 44 38 31 27	11 21 7 22 20	12 20 19 27 22	7 14 5 15 12	11 12 8 18 12	28 37 28 33 47	43 37 42 41 51
21 Nigeria 22 China ^c 23 Haiti 24 Benin ^c 25 Central African Rep.	12,546 93,244 394 332 169	34,124 369,651 2,641 1,886 1,202	41 34 36 35	37 27 37 41	14 38 12 26	38 42 14 16	30 ^d	38 ^d	45 28 52 38	26 32 49 42
26 Ghana 27 Pakistan 28 Togo 29 Guinea ^c 30 Nicaragua ^c	2,214 9,102 253 785	6,413 40,244 1,633 2,937 6,950	47 37 34 25	53 26 33 29 30	18 22 21 26	17 26 23 35 23	11 16 10 20	10 17 10 5	35 41 45 	29 49 44 36 47
31 Sri Lanka 32 Mauritania 33 Yemen, Rep. ^c 34 Honduras 35 Lesotho	2,215 197 654 67	8,195 1,030 7,524 2,661 578	28 29 32 35	27 22 22 22 22 14	24 38 22 9	25 31 26 27 38	17 5 14 4	14 9 16 13	48 32 45 56	48 47 52 51 48
36 Indonesia ^c 37 Egypt, Arab Rep. 21mbabwe 38 Sudan 40 Zambia ^c	9,657 6,598 1,415 <i>1,901</i> 1,789	116,476 30,265 5,543 3,831	45 29 15 <i>44</i> 11	19 18 20 	19 28 36 14 55	41 30 32 	10 21 8 10	21 26 36	36 42 49 42 35	39 52 49
Middle-income economies Lower-middle-income	::	1,167,639 t	•••		• •	• • •			::	
41 Bolivia ^c 42 Côte d'Ivoire 43 Senegal ^c 44 Philippines ^c 45 Papua New Guinea ^c	1,020 1,147 865 6,691 646	5,019 7,283 5,774 44,908 3,734	20 40 24 30 37	38 20 21 26	32 23 20 32 22	22 19 34 35	13 13 16 25 5	21 13 26 10	48 36 56 39 41	40 62 44 38
46 Cameroon ^c 47 Guatemala ^c 48 Dominican Rep. ^c 49 Ecuador ^c 50 Morocco ^c	1,160 1,904 1,485 1,673 3,956	11,666 9,353 7,172 11,595 27,652	31 23 24 20	27 26 18 15 19	19 26 25 27	22 20 25 35 31	10 19 18 16	12 13 21 18	50 51 51 53	51 55 57 50 50
51 Jordan 52 Tajikistan 52 Peru ^c 54 El Salvador ^c 55 Congo ^c	7,234 1,029 274	3,524 48,366 5,915 2,909	 19 28 18	7 10 12	32 23 24	26 24 37	20	13 19 8	50 48 58	67 66 50
56 Syrian Arab Rep. ^c 57 Colombia 58 Paraguay ^c 90 Uzbekistan 60 Jamaica ^c	2,140 7,199 595 1,405	17,236 41,692 6,254 3,497	20 25 32	30 17 22	25 28 21	23 35 24 	21 17	20 18	55 47 47 	47 48 54
51 Romania 52 Namibia 53 Tunisia 54 Kyrgyzstan ^c 55 Thailand ^c	1,244 7,087	27,619 1,961 11,594 93,310	20	19 10 18	24	49 28 32 39	10		 56 49	33 62 50
66 Georgia										

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		GDP (millions of dollars)		Agriculture			on of gross do		Services, etc. ^t		
							ustry		cturing a		
7 /	A month of the m	1970	1991	1970	1991	1970	1991	1970	1991	1970	199
	Azerbaijan Turkmenistan										
) :	Turkey	11,400	95,763	30	18	27	34	17	24	43	49
	Poland ^c		78,031		7 13		50 50	• •			4: 3'
	Bulgaria Costa Rica ^c	005	7,909 5,560	23	18	24	25	• • •	19	53	5
	Losta Rica Algeria	985 4,541	32,678	23 11	14	24 41	50	15	10	33 48	3
4 I	Panama ^c	1,021	5,544	15	10	21	11	12		64	7
5 /	Armenia ^c	0.106		• -		::		::		::	
	Chile ^c	8,186	31,311	7	• • •	41	•••	26		52	•
	Iran, Islamic Rep.	10,914	96,989	19	21	43	21	14	9	38	5
	Moldova Ukraine			• •		• •		• •		• •	
80 1	Mauritius	184	2,253	16	11	22	33	14	23	62	5
	Czechoslovakia ^c		33,172	• •	8	• •	56		٠.		3
	Kazakhstan		46.000					::		::	
	Malaysia ^c	4,200	46,980	29	• •	25		12		46	
	per-middle-income	265,930 t	• •	12 w	• •	37 w	• •	• •	• •	50 w	٠
	Botswana ^c	84 16 202	3,644	33	5 5	28	54 <i>44</i>	6	4 25	39 52	4 5
	South Africa Lithuania	16,293	91,167	8	20	40	45	24		52	3.
7 j	Hungary ^c	5,543	30,795	18	10	45	34		29	37	5
38 '	Venezuela ^c	13,432	53,440	6	5	39	47	16	17	54	4
	Argentina	20,526	114,344	13	15	38	40	27	1.2	49	4
	Uruguay Brazil	1,940 35,546	9,479 <i>414,061</i>	19 12	10 10	37 38	32 <i>39</i>	29	25 26	44 49	5 5
	Mexico ^c	33,346 38,318	282,526	12	9	38 29	39 30	29	20	59	6
	Belarus										
	Russian Federation				13		48				3
	Latvia	77.5	4.000	٠,	20	::	48		41	; ;	3
	Trinidad and Tobago Gabon ^c	775 322	4,920 4,863	5 19	3 9	44 48	39 45	26 7	9 6	51 34	5
	Estonia		4,605								
99 1	Portugal ^c	6,184	65,103								
00 (Oman ^c	256	10,236	16	4	77	52	0	4	. .	4
01]	Puerto Rico ^c	5,035	32,469	3	1 8	34	41	24	39	62	5 4
02 1 03 (Korea, Rep. ^c Greece	8,887 8,600	282,970 <i>57,900</i>	26 18	17	29 31	45 27	21 19	28 <i>14</i>	45 50	5
	Saudi Arabia ^c	3,866	108,640	6	7	63	52	10	7	31	4
	Yugoslavia	12,566	82,317	18	12	41	48			41	4
Low-	and middle-income	MARKET BETTER BETTER BY ST. O. CO. S.	Was and a second	25 w		33 w	• • •		- manufacture a b	42 w	
	-Saharan Africa	40,073 t	164,339 t	35 w	31 w	23 w	29 w	8 w	::	41 w	4
	st Asia & Pacific ath Asia	143,054 t 73,546 t	961,754 t 302,014 t	34 w 44 w	19 w 31 w	34 w 21 w	41 w 26 w	26 w 14 w	33 w 17 w	32 w 34 w	4
	rope and Central Asia	75,540 1	302,0141			"			"		
	ddle East & N. Africa	43,980 t	413,241 t	16 w	14 w	42 w		11 w		42 w	
	tin America & Caribbean	154,857 t	1,203,873 t	13 w	• •	34 w	• •	24 w	• •	53 w	•
	ely indebted	147,806 t		14 w		35 w	• •	24 w	• •	52 w	_ •
	income economies		17,053,744 t	4 w	• •	39 w	• •	29 w		58 w	
	CD members		16,626,259 t	4 w		39 w	• • •	29 w		58 w	•
	Ireland Israel ^c	3,323 5,603	39,028 62,687	17	11	37	9	24	3	46	8
08	New Zealand ^c	6,415	42,861	12	· ģ	33	27	24	18	55	6
09	Spain ^c	37,909	527,131			1:	11		·. <u>.</u>	1.2	
	Hong Kong	3,463	67,555	2	0	36	25	29	17	62	
	Singapore ^c	1,896	39,984	2	0	30 44	38	20	29	68	6
	United Kingdom Australia ^c	106,502 39,330	876,758 299,800	3 6	. <u>;</u>	39	31	33 24	15	53 55	6
14	Italy ^c	107,485	1,150,516	8	3	41	33	27	21	51	6
5	Netherlands ^c	34,285	290,725	6	4	37	32	26	20	57	ć
	Belgium ^c	25,242	196,873	· <u>:</u>	2	::	30	::	22		6
	Austria ^c	14,457	163,992	7	3 3	45	36 20	34	25 21	48	6
	France ^c Canada	142,869 73,847	1,199,286 510,835	4		36	29	23	21	59	6
	United States ^c	1,011,563	5,610,800	3	• •	35		25	• •	63	
	Germany ^{c,e}	184,508	1,574,316	3	2	49	39	38	23	47	5
22	Denmark	13,511	112,084	7	5	35	28	22	19	59	6
	Finland	9,762	110,033	12	6	40	34 26	27	24 14	48 62	9
	Norway Sweden	11,183 29,835	105,929 206,411	6	3 3	32	36 34	22	14 22	62	6
	Japan ^c	203,736	3,362,282	6	3	47	42	36	25	47	
						71	74	50	40	7/	_
26	Switzerland ^c	20,733	232,000								

a. Because manufacturing is generally the most dynamic part of the industrial sector, its share of GDP is shown separately. b. Services, etc. includes unallocated items. c. GDP and its components are at purchaser values. d. World Bank estimate. e. Data refer to the Federal Republic of Germany before unification.

Table 4. Agriculture and food

		Value added ii (millions d dolla	f current	Cereal is		Food aid i (thousa metric	ınds of	Fertilizer con (hundreds of of plant nut hectare of ar	of grams rient per	Food production per capita (average growth rate; 1979-81 = 100)	Fish pr (percentas protein	ge of daily
		1970	1991	1980	1991	1979/80	1990/91	1979/80	1990/91	1979-91	1970	1990
China a	ne economies nd India ow-income	85,549 t 55,737 t 29,615 t	276,360 t 170,532 t 109,326 t	35,359 t 13,376 t 21,983 t	36,510 t 13,489 t 23,021 t	355 t	7,373 t 351 t 7,022 t	474 w 669 w 204 w	993 w 1,478 w 394 w		5.8 w 2.3 w 5.9 w	6.3 x 2.9 x 6.4 x
1 Moza 2 Tanza 3 Ethio 4 Ugan	pia	483 931	854 1,352 2,822 1,425	368 399 397 52	479 130 802 26	151 89 111 17	454 24 894 61	78 90 27	8 144 80 0	-3.1 -1.4 -1.4 -0.6	4.6 8.1 0.2 7.5	3.0 7.7 0.0 7.2
5 Bhuta	n	• • • • • • • • • • • • • • • • • • • •	104	5	26	1	4		8	-0.6		
7 Nepal		37 579	96 1,807	21 56	64 6	18 21	7 1	5 90	17 274	0.3 2.2	3.1 0	2.1 0.3
8 Burur 9 Chad	а	159 142	565 528	18 16	31 73	8 16	3 30		16 18	-0.6 -0.4	1.6 7	1.3 9.9
	gascar	243 108	822 319	83	114	36	38	25 46	26	-1.4	3.6	4.4
12 Bangl	Leone adesh ^a	3,636	8,428	2,194	183 1,631	1,480	17 1,356	445	20 1,022	-1.1 -0.6	10.9 7.4	10.8 4.8
13 Lao P 14 Malay	wi	119	701	121 36	44 120	3 5	0 181	1 110	16 198	0.8 -2.7	3.8 5.9	2.1 5.1
15 Rwan 16 Mali ^a		135	812	16	19	14	9	3	26	-1.8	0.2	0.2
17 Burki	na Faso	207 139	1,082 1,074	87 77	226 177	22 37	37 56	69 26	73 39	-0.7 2.4	4.6 0.7	3.5 0.9
18 Niger 19 India		420 23,916	877 71,103	90 424	143 58	9 344	79 217	5 313	3 743	-3.4 1.6	0.2 1.6	0.2 1.6
20 Kenya		484	1,895	387	330	86	63	169	477	0.5	1.5	2.9
21 Niger 22 China		4,787 31,821	12,271 99,429	1,828 12,952	763 13,431	12	134	36 1,273	124 2,777	1.5 3.0	2.7 3.1	3.5 3.9
23 Haiti 24 Benin	a	121	692	195 61	348 216	53 5	37 8	44	11 38	-1.2 1.5	0.7 10	2.8
25 Centr	al African Rep.	60	497	12	27	3	3	í	4	-1.0	4.2	4.8 3.0
26 Ghana 27 Pakist		1,030 3,352	3,404 10,318	247 613	344 972	110 146	72 343	65 488	48 912	0.2 0.2	19.9 0.6	18.7 0.8
28 Togo		85	531	41	238	7	16	49	172	-1.0	5.7	8.4
29 Guine 30 Nican		199	850 2,024	171 149	296 176	24 70	12 117	31 185	7 314	-0.5 -5.1	1.5 1.1	4.5 0.4
31 Sri La 32 Mauri	itania	627 58	2,203 226	884 166	918 342	170 26	200 101	776 108	901 93	-1.3 -1.5	10 9.2	9.9 3.3
33 Yeme 34 Hondi 35 Lesot		212 23	1,657 592 82	139 107	284 100	27 29	149 84 31	98 111 144	273 144	-1.6 -1.7	0.9	1.8 0.8
36 Indon		4,340	22,465	3,534	2,795	831	45	440	1,141	2.2	7.9	8.7
37 Egypt 38 Zimba	, Arab Rep.	1,942 214	5,491 1,082	6,028 156	7,807 131	1,758	1,525 8	2,469 443	3,722 606	1.1 -1.0	1.2 0.8	2.4 1.1
39 Sudan 40 Zamb	1	191	2,625	236	1,188	212	453	27	63	-2.8	0.8	0.5
Middle-inc	ome economies aiddle-income		603	73,200 t	77,351 t	167 1,777 t	4,394 t	715 w	113 697 w	-0.7	8.3 6.5 w	4.3 6.8 H
41 Bolivi		202	•••	40,137 t	40,279 t 219	1,292 t	4,119 t	721 w	744 w	0.7	6.2 w 0.6	6.4 H
12 Côte o	l'Ivoire al ^a	462 208	2,754 1,129	469 452	644 784	2	59	165	97	-0.1	10.3	8.7
44 Philip	pines ^a	1,975	9,489	1,053	1,848	61 95	39 81	123 444	50 738	0.4 -1.9	8 26.3	9.8 20.9
Fapua 46 Came	New Guineaa	364	980 3,172	152		4		151	311	-0.1	11	11.8
47 Guate	mala ^a		2,410	140 204	410	10	9 170	47 582	31 700	-1.8 -0.7	5.5 0.2	6.7 0.4
49 Ecuad	nican Rep. ^a lor ^a	345 402	1,289 1,749	365 387	712 481	120 8	6 98	517 319	614 232	-2.6 0.0	5.7 3.8	2.8 6.8
0 Moro		789	5,228	1,821	1,957	119	201	240	332	2.3	1.3	2.8
51 Jordai 52 Tajiki			263	505	1,539	72	481	433	475	-1.2	0.6	1.2
3 Peru ^a	vador ^a	1,351 292	604	1,309 144	1,432 324	109 3	371 84	338	336	-0.6	5.4	10.6
55 Conge		49	356	88	96	4	15	1,030 6	1,027 119	0.3 -0.1	1.1 17.2	0.7 22.8
56 Syriar 57 Colon	n Arab Rep. ^a	435 1,806	4,091 7,258	726 · 1,068	1,741 780	74 3	30 1	224 603	539 1,112	-2.9	0.5	0.1
58 Parag	uay ^a	191	1,358	75	24	11	0	36	65	0.6 1.1	1.7 0.3	1.4 1.0
59 Uzbel 60 Jamai		93	177	469	413	117	163	503	710	-0.5	12.2	8.9
1 Roma		• • •	5,121	2,369	1,834		480	1,365	1,099	-2.3	1.8	3.3
52 Namil 53 Tunisi	ia	245	194 2,084	817	18 920	165	348	122	181	-2.9 0.5	2.8 1.9	3.5 3.7
64 Kyrgy 65 Thaila	zstan ind ^a	1,837	11,063	213	521	3	104	160	471	0.5	14.4	12.0
66 Georg			·									_

Note: For data comparability and coverage, see the technical notes. Figures in italics are for years other than those specified.

		Value added i (millions o doll	of current	Cereal is			in cereals ands of tons)	Fertilizer co (hundreds of plant nu hectare of a	of grams trient per	Food production per capita (average growth rate; 1979-81 = 100)	(percenta;	roducis ige of daily supply)
		1970	1991	1980	1991	1979/80	1990/91	1979/80	1990/91	1979-91	1970	1990
67	Azerbaijan											
68 69	Turkmenistan			٠;	(20	;;						
70	Turkey Poland ^a	3,383	17,090 5,342	6 7,811	638 166	16	4 742	451 2,425	676 1,046	-0.2 1.1	1.9 4.2	2.3 4.8
71	Bulgaria	::	1,021	693	633		100	1,928	1,728	-0.9	2.4	1.7
72	Costa Rica ^a	222	1,013	180	320	1	31	1,573	2,091	-0.7	2.9	2.2
73 74	Algeria Panama ^a	492 149	4,608 530	3,414 87	5,436 101	19 2	26 1	227 540	167 588	0.6 -2.0	1.3 5.7	2.1 7.4
75	Armenia											
76	Chilea	557		1,264	588	22	11	333	653	1.5	4.2	7.8
77 78	Iran, Islamic Rep. Moldova	2,120	21,186	2,779	5,025		70	297	771	1.3	0.3	1.6
79	Ukraine											
80	Mauritius	30	248	181	183	22	7	2,564	2,616	-0.6	6.9	8.5
81 82	Czechoslovakia Kazakhstan		<u></u>	2,102	136		• •	3,347	2,558	1.5	2.3	2.4
83	Malaysia ^a	1,198		1,336	3,014		4	912	1,950	4.1	13.7	13.8
U	pper-middle-income			33,063 t	37,072 t	485 t	275 t	707 w	639 w		6.9 w	7.4 1
84	Botswana ^a	28	190	68	99	20	0	8	7	-3.7	0.5	1.3
85 86	South Africa Lithuania	1,292	4,594	159	1,345		• •	726	592	-1.1	4.6	3.8
87	Hungary ^a	1,010	3,181	155	128			2,805	1,269	1.2	i. i	1.3
88	Venezuela ^a	835	2,662	2,484	1,468			599	1,137	0.0	5.2	6.7
89 90	Argentina ^a Uruguay	2,693 378	16,588 926	8 45	31 83	 7	20	48 633	61 551	-0.6	1.1	1.7
91	Brazil	4,388	42,288	6,740	6,332	3	16	755	525	0.8 1.7	0.8 3.6	1.1 2.6
92	Mexico ^a	4,462	25,221	7,226	5,433		239	465	631	0.2	1.8	3.3
93 94	Belarus Duccine Federation				• • •			• • •		• • •	• •	
95	Russian Federation Latvia				• •	• •			• • •			
96	Trinidad and Tobago	40	144	252	201			670	650	-1.7	6.2	3.6
97 98	Gabon ^a Estonia	60	425	27	70			3	25	-1.4	15.6	12.9
99	Portugal			3,372	1,369	267		877	877	1.5	15.7	15.0
100	Oman ^a	40	374	120	345			306	1,554			15.0
101 102	Puerto Rico ^a	161	470	5 143	10 411	104		2 057	4 601	-1.4	<i>;</i> ;	15 0
103	Korea, Rep. ^a Greece	2,311 1,569	22,793	5,143 1,199	10,411 753	184		3,857 1,480	4,601 1,741	-0.1 0.3	6.7 5	15.8 4.8
104	Saudi Arabia ^a	219	6,713	3,061	5,891			115	2,068	9.4	2.5	2.3
105	Yugoslavia	2,212	9,641	1,420	217			1,102	991	-0.7	1.1	1.1
	v- and middle-income ub-Saharan Africa	13,394 t	52,122 t	108,569 t 8,434 t	113,875 t 10,626 t		11,767 t 3,221 t	576 w 59 w	867 w 90 w		6.2 w 6.1 w	6.6 1
E	ast Asia & Pacific	47,923 t	188,371 t	26,833 t	34,264 t		486 t	953 w	1,902 w		10.2 w	11.4
	outh Asia	32,720 t	95,645 t	4,211 t		2,339 t	2,161 t	328 w	740 w		11.7 w	14.4
	urope and Central Asia fiddle East & N. Africa	7,243 1	57,177 t	19,269 t 23,881 t	6,265 t 34,911 t		1,326 t 2,857 t	1,446 w 337 w	1,094 w 681 w		3.6 w	4.0 t
	atin America & Caribbean	19,755 t		25,782 t	22,677 t	721 t	1,716 t	495 w	508 w		6.5 w	6.7
	erely indebted	20,522 t		37,723 t	30,886 t	691 t	2,901 t	651 w	501 w		3.8 w	4.5 1
	h-income economies DECD members	85,407 t 83,985 t	• •	79,798 t 70,764 t	75,096 t 63,536 t	36 t	2 t	1,321 w 1,312 w	1,158° w 1,145 w		8.2 w 7.5 w	8.6 1
106	Ireland	559		553	341	···	···	5,219	7,323	1.5	2.7	3.9
107	†Israel ^a	295		1,601	1,635	31	2	1,885	2,343	-0.5	3.8	5.0
108 109	New Zealand ^a Spain ^a	914	22,189	63	223			12,060	8,796	0.1	3.1	8.5
	†Hong Kong	62	185	6,073 812	4,016 785			821	979	1.3 0.7	9.2 19	9.8 16.9
	†Singapore ^a	44	96	1,324	780			5,375	56,000	-5.1	16.5	9.2
112 113	United Kingdom	2,975 2,277	0.719	5,498	2,799			3,235	3,680	0.4	5.6	5.1
114	Australia ^a Italy ^a	8,387	9,718 34.456	5 7,629	36 8,466			275 1,892	238 1,480	-0.4 -0.5	3.3 3.9	4.1 5.6
115	Netherlands ^a	1,894	11,988	5,246	4,925		• •	8,472	6,160	0.8	4.6	2.9
116	Belgium Austria ^a	ooo	3,461	5,599b	6,041b			5,282	4,902	1.4	5.1	5.0
117 118	France ^a	992	4,968 40,012	131 1,570	88 1,206			2,484 3,120	1,997 2,953	0.7 0.3	2 5.1	2.7 5.8
119	Canada	3,238		1,383	- 448		• • •	398	451	1.2	3.4	6.6
120	United States ^a	27,937	43.0400	199	2,834			1,099	970	-0.6	3.3	4.3
121 122	Germany ^a Denmark	5,951 ^c 882	23,867° 5,082	9,500 355	3,545 207			4,227 2,627	2,637 2,463	1.6 2.6	4.1 9.1	4.0 10.5
123	Finland	1,205	7,485	367	58			1,892	1,819	0.1	7.2	8.7
124 125	Norway Sweden	624	3,084 5,825	725 124	196			3,220	2,355	0.5	14.5	15.2
126	Sweden Japan ^a	12,467	5,825 73,671	124 24,473	117 27,474	• •	• •	1,699 4,777	1,162 4,001	-0.6 -0.1	10.2 24.4	9.3 28.0
127	Switzerland ^a			1,247	493			4,654	4,001	-0.1 -0.1	2.7	3.7
Wo	rld	238,777 t		188,971 t	188,958 t		11,769 t	813 w	957 w		6.7 w	7.1
	uel exporters	9,929 t	55,828 t	18,772 t	24,024 t	34 t	210 t	167 w	404 w		6.4 w	6.1 1

Table 5. Commercial energy

			rowth rate (percent)		Energy con per capita (kilograms	Energy is as a perce	ntage of
	Energy pt 1970–80	1980-91	Energy con 1970-80	1980-91	of oil equ	1991	merchandis 1970	e exports 1991
Low-income economies	7.3 w	4.8 w	7.0 w	5.6 w	166 w	376 w	6.0 w	10.0
China and India	7.7 w	5.5 w	7.3 w	5.8 w	200 w	488 w	4.0 w	7.0
Other low-income	6.7 w	3.2 w	6.0 w	4.7 w	94 w	173 w	7.0 w	13.0
1 Mozambique	32.3	-39.3	-1.6	1.0	113	59 37	10.0	٠ <u>٠</u> .
2 Tanzania 3 Ethiopia	7.3 5.5	3.2 5.2	-0.2 0.9	2.0 3.4	49 20	20	10.0 11.0	65.0 37.0
4 Uganda	-3.2	2.8	-6.4	4.1	58	25		
5 Bhutan	• •		· · · ·	• • •	• •	15	<u> </u>	• • •
6 Guinea-Bissau 7 Nepal	12.7	10.9	4.0 6.0	2.2 8.0	38 10	38 22	19.0	38.0
8 Burundi		6.6	6.9	7.4	7	24	6.0	20.0
9 Chad 10 Madagascar	0.4	6.8	4.0 -2.5	0.4 1.8	17 60	17 39	35.0 9.0	31.0 36.0
	0.4	0.6						
Sierra LeoneBangladesh		11.3	-1.7 8.8	0. I 7.7	158	75 57	8.0	32.0 26.0
13 Lao PDR	41.3	-0.4	-4.0	2.3	73	42		
14 Malawi 15 Rwanda	11.8 4.6	4.2 4.0	7.8 12.3	1.3 1.8	35 11	41 29	10.0	24.0
		6.1	7.8		15	23	11.0	• •
16 Mali 17 Burkina Faso	8.3	0.1	12.0	2.1 1.1	8	23 17	11.0 21.0	35.0
18 Niger		13.5	11.8	2.3	16	41	7.0	22.0
19 India 20 Kenya	6.8 15.0	6.6 6.4	6.4 3.0	7.2 1.6	113 138	337 104	8.0 20.0	26.0 25.0
21 Nigeria	4.8	1.0	16.0	4.4	43	154	3.0	1.0
22 China	7.9	5.3	7.5	5.3	258	602	1.0	3.0
23 Haiti	14.0	5.7	9.8	1.7	27	49	7.0	43.0
24 Benin 25 Central African Rep.	4.3	7.4 2.6	2.8 -1.6	3.7 3.3	41 44	46 29	7.0 1.0	29.0 10.0
26 Ghana	5.8	-0.1	2.3	0.4	180	130	6.0	44.0
27 Pakistan	8.1	6.5	5.3	6.5	139	243	11.0	23.0
28 Togo 29 Guinea	9.2	4.1	9.4 2.3	0.8	43	47 69	5.0	14.0
29 Guinea 30 Nicaragua	15.8 1.7	2.6	4.1	1.4 2.7	68 253	68 254	7.0	36.0
31 Sri Lanka	8.0	8.5	1.2	4.9	139	177	3.0	17.0
32 Mauritania			4.7	0.3	115	111	5.0	7.0
33 Yemen, Rep.34 Honduras	13.9	4.1	23.3 6.1	7.9 2.0	9 191	96 181	9.0	20.0
35 Lesotho							9.0	20.0
36 Indonesia	7.9	1.6	9.9	4.8	99	279	2.0	8.0
37 Egypt, Arab Rep.38 Zimbabwe	10.7 -1.9	4.6 3.0	10.9 1.0	4.6	213 580	594	10.0	5.0
38 Zimbabwe 39 <i>Sudan</i>	21.0	2.2	-4.3	3.0 0.6	113	517 54	21.0 9.0	28.0
40 Zambia	16.0	1.8	7.7	1.3	299	369	5.0	21.0
Middle-income economies Lower-middle-income	3.1 w 2.0 w	2.3 w 4.3 w	5.4 w 5.0 w	3.4 w 2.9 w	918 w 865 w	1,351 w 1,102 w	10.0 w	11.0
	6.8	0.8	4	-0.1		`	9.0 w	11.0
41 Bolivia 42 Côte d'Ivoire	20.5	4.5	9.5 6.5	-0.1 2.7	183 154	251 170	1.0 4.0	1.0 12.0
43 Senegal		<i>:</i>	-2.9	-1.6	180	105	6.0	28.0
44 Philippines 45 Papua New Guinea	13.6 11.4	6.3 5.6	4.0 8.4	1.9 2.4	235 114	218 231	14.0 39.0	20.0 11.0
46 Cameroon	24.4	11.5	6.2	4.4	84	147	6.0	1.0
47 Guatemala	8.5	4.5	6.5	0.6	170	155	2.0	26.0
48 Dominican Rep. 49 Ecuador	17.0 36.3	4.2 2.9	6.7 13.5	0.9 3.7	216 216	341 598	14.0 9.0	1.0
50 Morocco	2.4	1.5	6.8	2.9	170	252	8.0	25.0
51 Jordan			13.1	5.3	322	856	40.0	41.0
52 Tajikistan								
53 Peru 54 El Salvador	10.6 14.5	-1.6 3.7	4.4 7.7	1.4 2.4	468 157	451 230	1.0 2.0	9.0 31.0
55 Congo	41.0	6.9	6.2	3.3	138	214	4.0	1.0
56 Syrian Arab Rep.	9.3	8.0	14.4	3.9	313	955	17.0	10.0
57 Colombia 58 Paraguay	0.3	10.6	*5.9 9.7	3.1	490 114	778	1.0	4.0
58 Paraguay 59 Uzbekistan	13.5	12.9		4.9 	114	231	17.0	24.0
60 Jamaica	-0.9	4.3	3.6	-1.4	968	858	25.0	35.0
61 Romania	3.3	-0.4	5.9	0.6	2,136	3,048		
62 Namibia ^a 63 Tunisia	4.0	-0.2	8.7	4.5	230	556	8.0	13.0
64 Kyrgyzstan		24. i						
65 Thailand	5.5	24.1	7.9	7.4	150	438	17.0	12.0
66 Georgia								

		Energy pro		owth rate (percent) Energy con:	sumntion	E <mark>ner</mark> gy con per capita (i of oil equ	kilograms	Energy ir as a perce merchandis	ntage of
		1970-80	1980-91	1970-80	1980-91	1970	1991	1970	1991
7 Azert	naijan	1770-00							
8 Turkr	nenistan								
9 Turke		3.5	7.7	7.4	6.5	362	809	11.0	32.0 23.0
O Polan		3.6	0.9 2.3	4.6 5.1	1.1 0.8	2,512 2,657	3,165 3,540	20.0	23.0
1 Bulga		6.9	6.3	6.6	3.7	378	570	5.0	21.0
72 Costa 73 Algei		5.1	4.9	16.9	15.1	219	1,956	3.0	2.0
74 Panai		10.8	9.5	-6.6	0.2	2,524	1,661		
5 Arme								2:	
6 Chile		-0.1	3.1	0.1	3.1	867	892	5.0	13.0
	Islamic Rep.	-5.6	6.2	5.2	4.5	938	1,078	0.0	0.0
78 Mold 79 Ukra			• •	- •					
30 Maur		1.9	8.1	4.9	3.4	266	389	8.0	24.0
	hoslovakia	0.8	0.0	2.8	0.6	3,893	4,681	10.0	5.0
32 Kaza	khstan								
33 Mala		22.5	13.5	5.4	7.9	452	1,066	10.0	5.0
Upper-r	niddle-income	3.9 w	0.9 w	5.8 w	3.8 w	989 w	1,701 w	10.0 w	11.0
34 Botsv	vana ^a	9.1	1.2	10.5	3.0	232	408		
	n Africa ^a	6.6	4.0	3.7	2.9	1,909	2,262	1.0	0.0
36 Lithu			0.2	3.9	0.7	2,053	2,830	10.0	17.0
37 Hung 38 Vene	gary zuela	1.1 -4.7	0.7	4.4	2.3	2,206	2,521	1.0	1.0
39 Arge		3.3	3.2	3,3	3.6	1,208	1,764	5.0	6.0
90 Urug		5.6	7.2	1.0	0.8	797	816	15.0	15.0
91 Brazi		8.7	7.3	8.8	4.7	410	908	13.0	19.
22 Mexi		13.7	1.2	8.7	1.4	786	1,383	6.0	5.
Belai								··	
	ian Federation						• •	• •	
95 Latvi 96 Trini	ia dad and Tobago	6.2	-2.5	4.5	1.7	4,795	4.907		
97 Gabo		7.0	4.6	11.3	2.5	805	1,154	1.0	0.
98 Estor									
99 Porti	ıgal	4.5	3.2	5.1	2.9	747	1,584	15.0	15.
00 Oma		0.3	8.6	5.9	10.1	660	2,859		. •
	to Rico	-5.0 4.3	2.3 9.5	-1.5 10.1	0.5 7.9	3,497 4 95	2,015 1,936	16.0	18.
02 Kore 03 Gree	a, Rep.	4.3 8.7	5.9	6.6	2.8	976	2,110	21.0	24.
	i Arabia	8.7	-1.7	4.5	9.3	3,137	4,866	0.0	0.
	slavia	3.2	3.2	5.3	3.6	1,140	2,296	8.0	19.
Low- and	middle-income	4.2 w	3.1 w	6.0 w	4.3 w	362 w	631 w	9.0 w	11.
Sub-Sal	haran Africa	5.4 w	·4.7 w	4.4 w	3.5 w	96 w	135 w	6.0 w	12.
	ia & Pacific	7.8 w	5.0 w	7.1 w	5.3 w	255 w 102 w	571 w 289 w	9.0 w 8.0 w	10. 25.
South A	and Central Asia	6.7 w 2.9 w	6.5 w 1.2 w	6.4 w 4.8 w	7.2 w 1.7 w	1,714 w	2,387 w	13.0 w	18.
	East & N. Africa	3.3 w	1.7 w	7.5 w	7.3 w	545 w	1,185 w	2.0 w	4.
	merica & Caribbean	2.1 w	2.5 w	5.6 w	2.7 w	722 w	1,051 w	11.0 w	13.
Severely i	ndebted	6.9 w	3.4 w	6.3 w	3.1 w	818 w	1,252 w	10.0 w	11.
High-inco	me economies	1.4 w	1.7 w	1.8 w	1.5 w	4,463 w	5,106 w	11.0 w	11.
ÖECD	members	1.5 w	1.7 w	1.7 w	1.5 w	4,572 w	5,122 w	11.0 w	11
06 Irela		2.1	2.7	3.1	0.8	2,008	2,754	13.0	.5
07 †Israe		-42.6	-7.4 6.1	3.0	2.3	1,876 2,834	1,931 4,893	9.0 7.0	11 7
08 New 09 Spai	Zealand	4.5 3.7	6.1 2.6	2.6 5.1	5.0 1.7	2,834 1,276	2,229	26.0	17
	g Kong			5.4	3.1	973	1,438	4.0	7
11 †Sing				2.8	5.6	3,863	6,178	21.0	-16
	ed Kingdom	7.2	0.4	-0.2	0.7	3,847	3,688	12.0	7
	tralia	6.2	5.7	3.8	2.2	4,032	5,211	5.0	.6
14 Italy		0.9	1.0	1.6 2.6	0.9 1.4	2,334 4,531	2,756 5,147	16.0 12.0	10 9
	nerlands	8.7	-2.4			7,551	2,793	12.0	
16 Belg 17 Aust		i.i	-0.2	2.0	1.4	2,773	3,500	10.0	7
18 Fran		0.8	6.3	2.3	1.2	3,182	3,854	13.0	10
19 Can	ada	3.2	3.3	3.5	2.0	7,467	9,390	5.0	.5
	ed States	0.0	0.7	1.3	1.4	7,665	7,681	7.0	15
	many ^b	-0.2 ^b	0.0b	1.8b	0.4b	3,077b	3,463b	8.0b	8
	mark	25.0	34.0	0.6	0.0	4,176 3.418	3,747 5,600	14.0 13.0	5 13
23 Finl		6.4 17.6	4.3 7.8	3.0 3.3	2.8 1.8	3,418 6,029	5,602 9,130	12.0	3
24 Nor 25 Swe		6.7	4.2	1.2	1.3	5,398	5,901	11.0	8
26 Japa		1.6	3.9	2.2	2.2	2,654	3,552	20.0	17
	n Izerland	4.5	1.0	1.2	1.4	3,186	3,943	7.0	. 5
World		2.7 w	2.4 w	2.9 w	2.5 w	1,195 w	1,343 w	10.0 w	11
WOLL		2.5 w	1.6 w	7.0 w	6.8 w	658 w	1,261 w	3.0 w	1

a. Figures for the South African Customs Union comprising South Africa, Namibia, Lesotho, Botswana, and Swaziland are included in South African data; trade among the component territories is excluded. b. Data refer to the Federal Republic of Germany before unification.

Table 6. Structure of manufacturing

	Value	added in	F-	od,		on of manuf	Mach					
	manufacturi	ng (millions of	bever	ages,	Textile		and tra	nsport				
	1970	dollars) 1990	and 10 1970	1990	cloti 1970	1990	equip 1970	ment 1990	Chen. 1970	icals 1990	1970	her ^a 19
ow-income economies China and India Other low-income	44,177 t 35,483 t 8,256 t	240,456 t 181,072 t	.,,,	.,,,	7770	~		.,,,	1770	.,,,		.,
Mozambique Tanzania	.:.	::	51	·	13	·	5	· j	3	;;	28	:
Tanzania Ethiopia	118 149	86 614	36 46	<i>30</i> 48	28 31	18 19	5 0	2	4 2	16 4	26 21	2
Uganda		107	40		20		2		4		34	
Bhutan	17	27 18	<u>··</u>	• •	• •			••		••	• •	•
Guinea-Bissau Nepal	32	152	• •	35		25		2			• •	3
Burundi Chad ^b	16 51	99 250	53		25				6		16	
) Madagascar	• • •		36	39	28	36	6	· <i>š</i>	· 7	7	23	i
Sierra Leone	22	52			44			٠.;		14	16	:
Pangladesh ^o Lao PDR	387	1,959	30	24	47	35			11	17	10	1
Malawi Rwanda ^b		227 316	51 86		17 0		3 3		10 2		20 8	
	25	286	36	• •	40	••	4	• •	5	• •	14	•
Burkina Faso	47	325	69		9		2		1		19	
Niger ^D India	30 7,928	219 48,930	13	12	21	12	20	26	14	17	32	3
Kenya	174	862	33	38	9	10	16	10	9	9	33	3
Nigeria	426	122 142	36	;;	26	1.5	1	::	6		31	:
China ^b Haiti	27,555	132,142		15		15	• •	24	• •	13		3
Benin ^b	38 12	162										
Central African Rep. Ghana ^b	252	575	24	• •	16	• •			4		41	•
Pakistan	1,462	6,184	34 24	29	16 38	19	4 6	7	9	15	41 23	
Togo ^b Guinea ^b	25	162 123		• •								
Nicaragua ^b	159	260	53		14		2	• •	8		23	:
Sri Lanka Mauritania	369	1,077	26	51	19	23	10	4	11	3	33	2
Mauritania Yemen, Rep. ^b	10	549	20		50				'n		28	:
Honduras	91 3	428	58	51	10	9	1	2	4	5	28	3
Lesotho Indonesia ^b	994	21,722	65	24	14	14	2	10	6	10	13	- 4
Egypt, Arab Rep.			17	31	35	16	9	9	12	8	27	3
Zimbabwe Sudan	293	1,508 772	24 39	30	16 34	17	9 3	8	11 5	10	40 19	3
Zambia	181	1,180	49	37	9	12	5		10	ii	27	3
iddle-income economies Lower-middle-income	• •	••				*		. * *				
Bolivia ^b	135	585	33	37	34	8	1	1	6	6	26	
Côte d'Ivoire	149		27		16		10		5		42	
Philippines ^o	141 1,665	775 11,160	51 39	36	19 8	10	2 8		6 13	12	22 32	3
Papua New Guinea ⁰	35	320	23		ĭ		35		4		37	
Cameroon ^b Guatemala ^b	119	1,363	50	61 43	15 <i>14</i>	-13 9	4	5 3	3	5 16	27 27	2
Dominican Rep. b	275	955	<i>4</i> 2 74		5		1		12 6		14	
Ecuador ^b Morocco ^b	306 641	2,091 4,886	43	31 31	14	13 25	3	7 6	8	11 16	32	:
Jordan		441	21	26	14	7	7	4	6	15	52	
. Tajiķistan		• • •					. ,					
Peru ^b El Salyador ^b	1,430 194	1,008	25 40	23	14 30	14 	7 3	10 	7 8	10 	47 18	•
Congo ^b	• • • • • • • • • • • • • • • • • • • •	220	65	58	4	4	1	3	8	10	22	
Syrian Arab Rep. b	1 407	9 100	37	24	40	31 15	3	6	2	5	20	3
Colombia Paraguay ^b	1,487 99	8,192 994	31 56	30	20 16	15	8 1	10	11 5	14	29 21	:
Uzbekistan Jamaica ^b	221	793	46		7		 11				30	
Romania				13	• • •	19		25		5		
Namibia		77										
Tunisia Kyrgyzstan	121	1,869	29	17	18	19	4	6	13	9	36	4
5 Thailand ^b	1,130	20,926	43	29	13	25	9	12	6	3	29	
6 Georgia												

		Value a	dded in	Fo	od,				inery	ercent; curre			
			ig (millions of	bever	ages,	Textile	es and		insport				
		current			bacco		hing	equip		Chem			hera
_		1970	1990	1970	1990	1970	1990	1970	1990	1970	1990	1970	19
	Azerbaijan Turkmenistan	• •											:
	Turkey Poland ^b	1,930	22,685	26	16	15	14	8	17	7	11	45	4
				20	21	19	9	24	26	8	7	28	3
	Bulgaria Costa Rica ^b	203	1,071	48	47	12	8	6	6	7	9	28	3
13	Algeria	682	4,816	32		20		9		4		35	•
4	Panama ^b	127		41	52	9	6	1	3	5	8	44	
75.	Armenia	2,088		i .	24	12	• ;	11	٠.	5			
	Chile Iran, Islamic Rep.	1,501	8,819	30		12 20	7	18	5	6	9	55 26	
	Moldova	1,301	0,019										
9	Ukraine												
30	Mauritius Czechoslovakia ^b	26	496	75 9	23 10	6	50	5 34	3	3	5 7	12 39	
	Kazakhstan	• • •	• • •		10	12	11		35	6		39	-
3	Malaysia ^b	500		26	13	3	6		31		ii	54	
	per-middle-income			~ .									
	Botswana ^b	5	128		52		8				9		
	South Africa	3,892	23,197	15	14	13	8	17	18	10	11	45	
6 17	Lithuania Hungary ^b		8,831	12	10	13		28	27		13	39	
88	Venezuela ^b	2,163	8,109	30	17	13	5	ğ	5	8	.9	39	
	Argentina	5,523		18	20	17	10	17	13	8	12	40	
	Uruguay	619	2,173	34	32	21	18	7	9	6	10	32	
)1)2	Brazil Mexico ^b	10,421 8,449	108,789 55,621	16 28	13 22	13 15	12 9	22 13	23 15	10 11	12 14	39 34	
3	Belarus												
)4	Russian Federation												
	Latvia		3,825					٠.:					
	Trinidad and Tobago Gabon ^b	198 22	435 264	18 37		3 7		7 6		2 6		70 44	
	Estonia												
9	Portugal ^b			18	18	19	20	13	14	10	10	39	
00	Oman ^c	0	396		: :		• :		: :		1.2	٠.	
)1)2	Puerto Rico Korea, Rep. ^b	1,190 1,880	12,181 70,497	26	15 11	17	5 13	ii	18 32	ii	45 9	36	
)3	Greece	1,642	8,291	20	22	20	21	13	12	7	8	40	
)4	Saudi Arabia ^b	372	7,962		7		1		4		39		
795	Yugoslavia			10	16	15	19	23	24			45	
	and middle-income	2 046 4											
	b-Saharan Africa st Asia & Pacific	3,046 <i>t</i> 36,524 <i>t</i>	287,606 t										
Sou	uth Asia	10,362 t	59,372 t										
	rope and Central Asia	4 505	40.562										
	ddle East & N. Africa tin America & Caribbean	4,797 t 36,590 t	40,563 t 254,873 t										
	ely indebted	35,985 t	277,462 t										
	income economies	605,102 t	• •										
~~	CCD members	599,875 t											
	Ireland	786	1,535	31	26	19	4	13	32	7	15	30	
7 t. 8	Israel ^o New Zealand ^b	1,811	7,572	15 24	13 26	14 13	9	23 15	32 14	7 4	10 6	41 43	
9	Spain ^b	1,011	124,454	13	18	15	8	16	25	11	10	45	
0 †	Hong Kong	1,013	11,403	4	7	41	38	16	20	2	2	36	
	Singapore ^b	379	10,351	12	4	5	3	28	53	4	10	51	
2	United Kingdom Australia ^b	35,415 9,551	44,589	13 16	13 18	9 9	5 7	31 24	32 19	10 7	11 8	37 43	
14	Italy ^D	29,093	242,899	10	8	13	13	24	33	13	10	40	
5	Netherlands ^b	8,861	58,147	17	16	8	3	27	25	13	18	36	
6	Belgium ^b		43,260	17	17	13	8	25	23	9	11	37	
.7 8	Austria ^b France ^b	4,873	41,526	17 12	15 13	12 10	6 6	19	28 31	6 8	7 9	45 44	
ŝ	Canada .	16,782	251,143	16	14	8	6	26 23	26	r 7	10	46	
0	United States ^b	254,858		12	12	8	5	31	31	10	12	39	
1	Germany ^{D,d}	70,888	460,983	13	9	8	4	32	42	9	12	38	
	Denmark Finland	2,929	21,376 26,170	20 13	21 13	8 10	4 4	24 20	23 25	8 6	11 8	40 51	
	Norway	2,588 2,416	14,472	15	21	7	2	23	23	7	9	49	
5	Sweden		45,021	10	10	6	2	30	32	5	ý	49	
6	Japan ^b	73,342	849,308	8	9	8	5	34	39	11	10	40	
	Switzerland ^b			10		7		31		9		42	
		754,620 t											
Vorl	d el exporters	6,221 t	41,957 t										

Table 7. Manufacturing earnings and output

			er employee	/1000	100)		otal earr			Gro	ss output		loyee
	Grow 1970-80	1980-90	Inde. 1988	x (1980≃ 1989	1990	perc 1970	entage of	1989	1990	1970	(1980 1988	= 100) 1989	19
ow-income economies China and India Other low-income								1707		.,,,			
1 Mozambique	M	3_9_			<u>`</u>	29				· · ·			
2 Tanzania	12	-13.5				42	25			122	97	.:.	
3 Ethiopia 4 Uganda	-4.6 	0.5	102	94	86	24	20	19	19	61	110	112	10
5 Bhutan	• •	• •			• •		• •						
6 Guinea-Bissau													
7 Nepal							26						
8 Burundi 9 Chad	<i>-7.5</i>	• •			• •			• •					
0 Madagascar	-0.8	6.6	56		• •	36	37	• •		106	60		
1 Sierra Leone						1.:	::	<u>::</u>	::				
2 Bangladesh - 3 Lao PDR	-3.0	0.6	99	98	95	26	34	34	33	206	110	111	1
4 Malawi		-0. <i>8</i>				37				126			
5 Rwanda						22							
6 Mali						46				139			
7 Burkina Faso	11.7	• •					٠;						
8 Niger 9 India	0.4	3.4	127	134		47	6 48	47		83	175	179	
0 Kenya	-3.4	-0.7	101	97	92	50	44	43	42	43	202	218	2
1 Nigeria	-0.8					18				182			_
2 China	<i>::</i>	3.5	.:.							220	244	251	
3 Haiti 4 Benin	-3.3	4.6	157		• •		• •	• •	• •		• •		
5 Central African Rep.											124	160	
6 Ghana	-14.8	7.8				23			_	193			_
7 Pakistan	3.4	6.6	159		• •	21	22			51	164		
B Togo													
9 Guinea 0 Nicaragua	-2.0				• •	16	• •			210		• •	
											_	124	_
1 Sri Lanka 2 Mauritania		1.8 · ·	106	100			18	18		70 	137	134	
3 Yemen, Rep.	• •												
4 Honduras 5 Lesotho	• •	0.9	• •				40	38	36 · ·				
6 Indonesia	5.2	5.1	149	155	186	26	23	20	21	42	180	204	
7 Egypt, Arab Rep.	4.1	-2.1	94	91		54	37	35		89	206	220	•
8 Zimbabwe	1.6	0.5	107	115	112	43	35	35	34	98	124	128	1
9 Sudan 0 Zambia	-3.2	3.1	168	125	98	31 34	27	27	27	109	128	93	
Aiddle-income economies										,			
Lower-middle-income 1 Bolivia	0.0	-6.4	64	55	49	43	27	27	27	65	41	<u> </u>	y
2 Côte d'Ivoire	-0.9					27				52			
3 Senegal 4 Philippines	-4.9 -3.7	0.5 5.6	154	160	174	21	24	22	22	104	100	112	,
5 Papua New Guinea	2.9	-1.5	154	160	174	40	24	23	23	104	100	112	1
6 Cameroon	3.2			72		30		47	45	81		153	1
7 Guatemala	-3.2	- <i>i</i> .9	89	100			19	20					
8 Dominican Rep. 9 Ecuador	-1.1 3.3	-1.5	95	80	 96	35 27	33	33	41	63 83	114	101	
0 Morocco		-3.5									89		
1 Jordan	8.6	-3.9	101	74	63	. 37	23	25	24	_			_
2 Tajikistan													
3 Peru 4 El Salvador	2.4	-3.5	71		• •		14	٠.		80			
5 Congo	2.4	- 2 . 6	• •			28 34	43	. <i>:</i>		71			
6 Syrian Arab Rep.	2.6	-5.4	64	66	65	33	27	28		70			_
7 Colombia	-0.2	1.6	114	117	116	25	15	15		86	148	158	
8 Paraguay													
9 Uzbekistan 0 Romania		• •	• •	• •					39				
1 Namibia					_							• •	_
Namioia 2 Tunisia	4.2					44				95			
3 Jamaica	-0.2	-0.8	101			43				99	78		
4 Kyrgyzstan 5 Thailand	0.3	5.9	160	160	158	25	28	28	28	 77	100	112	
	0.3	۵.۶	100	100	130	23	- 48	28	40		109	112	
6 Georgia													

Azerbaijan Urkmenistan Vurkey Voland Bulgaria Costa Rica Algeria	Growt 1970-80 6.1 5.5	1980–90 	1988 	r (1980= 1989	1990	1970	entage o _j 1988	1989	1990	1970	1988	=100) 1989	19
Ourkmenistan Ourkey Poland Bulgaria Costa Rica Algeria	6.1										.,,,,		19
Ourkmenistan Ourkey Poland Bulgaria Costa Rica Algeria	6.1											٠	
Poland Bulgaria Costa Rica Mgeria									, .				
Bulgaria Costa Rica Mgeria	3.3	-1.2 0.1	80 103	100 114	98 78	26 24	15 23	19 .19	19 17	108	166	181	1
Algeria								. 19					
		-2.2				41	38	39	39				
	-1.0	22	122	126	124	45	27		27	120	72		
Panama Armenia	0.2	2.2	123	126	134	32	37	37	37	67	73	74	
Chile	8.1	-1.0	103	106	106	19	16	15	15	60			
ran, Islamic Rep.	7.9	-8.2				25				84			
Moldova Jkraine	• •	• •								• •	• •	٠.	
Mauritius	1.8	-0.1	98	97	101	34	45	45	46	139	69	75	
Czechoslovakia	2.3	0.4	106	107	100	49	39	42	43		131	129	
Kazakhstan Kalawaia	20	26	126	120	120	20	27	26	27				
	2.0	2.0	120	128	128		21	20	21	90	•••	• •	
	2.6						25						
				106	106								
Lithuania											٠.		
													1 1
		0.8	116	107		26	26			111	112		
		4.8	161	163	121					71	123	124	1
													1
													_
atvia													
		<i>−0.7</i>		٠.			٠.						
											• •		
Portugal												_	_
Oman T													
	10.0	7 1	161	101	180	25			21	40	177	102	2
	4.9	0.6	104	112	110	32	39	40	40			115	2
			1.5	.1.1		1.7		26		.,			
	1.3	-0.7	88	102		39	26	26		59	97	75	_
-Saharan Africa t Asia & Pacific th Asia ope and Central Asia dle East & N. Africa n America & Caribbean													
												_	
	4.1	1.9	111	112	114	49	29	27	26				
		-3.6 -0.7					62		36 55		141	140	
	1.2 4.4	-0.7 0.9	106	109	95 109	52 52	38	33 39	33 39				
	6.4	4.9	143	150	147		55	55	55				
	2.9	5.0	149	165	175	36	28	30	32	73	122	129	1
						52 53					120	120	
													ı
	2.5	1.1	107	108	109	52	49	48	48				
	4.7	0.1	99	101	104	46	41	40	41	::	141	146	
					99	53			44				
Inited States	0.1	0.7		106	104	47	36	35	36	64			
	3.5	1.8	113	114	116	46	42	41	42	60	109	114	
		0.6 2.8			130	56 47	52 44		 47				
	2.6	1.6	110	110	112	50	56	54	57	74	118	127	
weden	0.4	0.9	103	107	106	52	34	34	35		126	131	
	3.1	2.0	117	120	121	32	34	33	33	48	120	131	
												• • •	
	Malaysia ber-middle-income Botswana bouth Africa Lithuania lungary /enezuela Argentina Juguay brazil Mexico belarus Russian Federation Latvia Trinidad and Tobago Both Tobago	Malaysia 2.0 ber-middle-income Botswana 2.6 botth Africa 2.7 ithuania 1.1 ungary 3.6 /enezuela 4.9 Argentina -2.1 Jruguay 1.2 Jruguay 1.3	Adalaysia 2.0 2.6 Deter-middle-income Botswana 2.6 -5.5 Botswana 2.6 -5.5 Botswana 2.6 -5.5 Botswana 2.6 -5.5 Botswana 2.7 0.2 Lithuania	Adalaysia 2.0 2.6 126	Malaysia 2.0 2.6 126 128	### Adalaysia	### Asia April	Adalaysia 2.0 2.6 126 128 128 29 27 reer-middle-income bottowana 2.6 -5.5 66	Aslaysia 2.0 2.6 126 128 128 29 27 26 ver-middle-income boown and a couth Africa 2.7 0.2 104 106 106 46 47 47 104 104 106 106 106 46 47 47 104 104 107 107 108 108 108 108 108 108 108 108 108 108	Aslaysia 2.0 2.6 126 128 128 29 27 26 27 retr-middle-income lottwana 2.6 -5.5 66	Adalysis	Aslaysia 2.0 2.6 126 128 128 29 27 26 27 96	Adalysis 2, 0 2, 6 126 128 128 29 27 26 27 96

Table 8. Growth of consumption and investment

		General go		Priv		Gross de		
		consum	•	consumpt	ion, etc. 1980-91	invest		
ou incom	ne economies	1970-80 5.4 w	1980-91 6.5 w	1970-80 4.1 w	4.8 w	1970-80 7.0 w	1980-91 7.0 w	
China aı	nd India	4.8 w	8.6 w	3.7 w	6.2 w	6.2 w	9.4 w	
	w-income	6.2 w	3.5 w	4.9 w	2.7 w	8.5 w	1.7 w	
l Moza ? Tanza	mbique mia	 a	-2.1	4.4	1.4	3.1	3.0	
Ethio	pia	2.4	2.1	8.3	5.2	-0.8	2.0	
Ugan Bhuta			0.9	• •	3.3	=	11.9	
	a-Bissau	1.3	3.1	-1.8	4.0	-1.7	4.3	
Nepal Burur		3.5	4.5	4.5	4.2	16.3	2.7	
Chad								
	gascar	1.5	0.2	-0.2	-0.8	0.4	2.6	
	Leone adesh	a a	-0.4 a	7.0 2.3	-1.3 3.6	-1.2 4.8	-5.3 -1.0	
Lao P Mala	DR	7.9	5.8	3.5	2.7	4.2	-0.8	
Rwan		7.5	6.8	4.3	-0.4	10.4	-0.8 -1.0	
Mali		1.9	4.1	6.2	1.7	3.3	6.9	
Burki Niger	na Faso	6.6 3.0	6.0 1.8	4.7 0.4	2.8 -0.9	4.4 7.6	9.3 -4.6	
India		4.1	7.5	2.9	5.3	4.5	5.1	
Keny		9.2	3.4	6.4	5.1	2.4	0.6	
Niger China		11.4 5.7	-2.1 10.0	7.8 4.9	-1.9 7.3	11.4 7.9	-8.1 12.4	
Haiti		1.6	-1.4 0.3	3.4	0.3	13.7	-3.4	
Benin Centr	al African Rep.	−1.9 −2.4	0.3 -0.9	3.2 5.2	0.9 1.9	11.4 -9.7	-4.8 3.6	
Ghan		5.1	0.5	1.7	2.6	-2.5	9.0	
Pakis Togo	tan	4.1 10.2	9.1 1.0	4.2 2.0	4.7 5.3	3.7 11.9	5.6 -0.7	
Guine		10.7						
Nicar Sri L	•	0.3	6.9	4.9	3.6	13.8	-5.3 1.2	
Sri La Maur	itania	10.8	-4.7	0.2	3.6	13.8 19.8	-5.6	
} Yeme ∤ Hond	en, Rep. uras	6.5	2.0	5.9	2.8	9.1	3.4	
Lesot		17.8	2.9	10.6	-0.6	23.4	9.1	
Indon		13.1	4.7 3.3	6.5 7.4	4.7	14.1	6.9	
7 Egyp 3 Zimb	t, Arab Rep. abwe	a 12.1	3.3 10.1	7.4 3.8	3.3 2.8	18.7 -4.2	-0.1 0.3	
Sudai Zamb	1	1.4	-1.5 -3.2	6.9 0.2	0.8 3.7	8.2 -10.9	-1.2 0.2	
	come economies	- singer	-3.2	0.2	3.1	-10.9	0.2	
	niddle-income	N. 15	1.1 w		3.6 w	00 - 100 m to 100 st.	-0.7 w	
Boliv Côte	ia d'Ivoire	7.9 12.1	-1.2 -4.0	4.5 6.9	2.2 -1.7	2.3 12.6	-8.0 -11.5	
Seneg	gal	5.9	2.5	3.0	2.6	0.3	3.7	
Philip	ppines a New Guinea	6.8 -1.3	0.9 0.1	4.3	2.4	11.3	-1.8	
Came		5.2	6.2	6.2	1.7	-5.4 11.2	-0.9 -5.4	
Guate	emala	6.5	2.2	5.3	1.2	7.9	-0.7	
Domi Cua	inican Rep. dor	2.7 14.5	0.2 -1.1	5.8 8.2	1.7 2.0	9.4 11.0	4.5 -2.4	
) Moro		14.0	5.1	5.5	4.0	9.9	2.5	
Jorda			1.7		1.9		-6.9	
2 Tajiki 3 Peru	ISLAII	4.0	-0.7	2.2	0.5	6.5	-3.4	
El Sa	lvador	6.8 4.1	2.8 3.3	4.2 1.5	0.6	7.3	2.3	
	o n Arab Rep.		-2.2		3.1	1.5	-11.7 -6.8	
7 Coloi	nbia -	5.4	4.5	5.3	3.1	5.0	-0.2	
Parag Uzbe	guay kistan	4.8	1.6	8.6	1.7	18.6	0.3	
) Jama		6.5	-0.2	1.4	1.8	-9.6	3.6	
Roma			2.2		1.1		-2.1	
2 Nami 3 Tunis		7.8	3.2 3.7	8.6	1.1 3.3	6.8	-5.0 -1.1	
	yzstan	9.8	4.1	6.3	6.7	7.2	9.8	
Luali	anu	7.0	7.1	0.3	0.7	1.2	7.0	

			Average annual grov	wth rate (percent)		
	1970-80	1980-91	1970-80	1980-91	1970-80	1980-91
Azerbaijan						
Turkmenistan	2.2					
						2.8
						-0.2 -2.1
						4.4
						-3.2
Panama	5.8	0.7	4.4	1.3	0.3	-7.5
Armenia						
Chile	2.4	0.2		2.2	1.0	5.1
Iran, Islamic Rep.	10.8	-3.8	2.3	5.5	10.4	-5.4
					• •	• •
	0.6	2 2		6.4	10.0	11.2
						0.2
		3.2		5. i	10.8	4.4
-						
• •						0.4
South Africa	5.5	3.4	2.3	1.8	2.5	-3.9
Lithuania						
Hungary	2.5	2.2	3.6	0.2	7.5	-1.6
	<u> </u>		··			-3.9
Argentina	3.8					-6.9
					9 0	-5.9 -0.1
						-0.1 -1.9
						-1.9
			_			
					• • •	
Trinidad and Tobago	9.0	1.5	6.3	-7.4	14.2	-7.1
Gabon	10.2	-1.1	7.3	-2.6	13.6	-6.2
	8.6	2.5	4.5	5.0		-2.6
		ė i		2.7		7.0
						13.0
						1.6
Saudi Arabia						
Yugoslavia	4.5	0.3	5.6	−0 . <i>1</i>	7.2	-3.3
- and middle-income		4.0 w		3.4 w		1.4 w
ub-Saharan Africa	6.3 w	0.9 w	5.1 w	0.7 w	7.3 w	-3.3 w
						10.1 w
						4.9 w
			• •		• •	• •
atin America & Caribbean	6.0 w	4.3 w	5.5 w	1.4 w	7.0 w	-1.3 w
erely indebted	7.3 w	3.9 w	5.7 w	1.7 w	8.2 w	-1.8 w
_ ·						4.0 w
ECD members	2.6 w	2.5 w	3.5 w	2.8 w	1.9 w	4.0 w
	- 0	0.80 % 15 0	A ST ST ST ST ST ST ST ST ST ST ST ST ST	March 12 1		0.0
†Israel	3.9	0.6	5.8	5.2	0.6	3.6
New Zealand	3.6	1.1	1.7	1.9	-1.0	2.9
Spain	5.8	5.2	3.8	3.2	1.5	6.0
						4.4
†Singapore	6.2	6.5	5.8	6.0	7.8	4.3
		1.2	1.8	3.8	0.2	5.3 2.2
United Kingdom	2.4			27		
United Kingdom Australia	5.1	3.4	3.2	3.2 3.1	1.9 1.6	
United Kingdom Australia Italy	5.1 3.0			3.2 3.1 1.8	1.9 1.6 0.1	2.1 2.4
United Kingdom Australia Italy Netherlands	5.1 3.0 2.9	3.4 2.6 1.4	3.2 4.0 3.9	3.1 1.8	1.6 0.1	2.1 2.4
United Kingdom Australia Italy	5.1 3.0	3.4 2.6	3.2 4.0	3.1	1.6	2.1 2.4 3.8 3.0
United Kingdom Australia Italy Netherlands Belgium Austria France	5.1 3.0 2.9 4.1 3.8 3.4	3.4 2.6 1.4 0.5 1.3 2.2	3.2 4.0 3.9 3.8 3.8 3.3	3.1 1.8 1.9 2.6 2.4	1.6 0.1 2.1 2.7 1.4	2.1 2.4 3.8 3.0 2.9
United Kingdom Australia Italy Netherlands Belgium Austria France Canada	5.1 3.0 2.9 4.1 3.8 3.4 3.8	3.4 2.6 1.4 0.5 1.3 2.2 2.4	3.2 4.0 3.9 3.8 3.8 3.3 5.3	3.1 1.8 1.9 2.6 2.4 3.4	1.6 0.1 2.1 2.7 1.4 5.6	2.1 2.4 3.8 3.0 2.9 4.5
United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States	5.1 3.0 2.9 4.1 3.8 3.4 3.8 1.0	3.4 2.6 1.4 0.5 1.3 2.2 2.4 3.2	3.2 4.0 3.9 3.8 3.8 3.3 5.3 3.3	3.1 1.8 1.9 2.6 2.4 3.4 2.4	1.6 0.1 2.1 2.7 1.4 5.6 2.4	2.1 2.4 3.8 3.0 2.9 4.5 3.3
United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germanyb	5.1 3.0 2.9 4.1 3.8 3.4 3.8 1.0	3.4 2.6 1.4 0.5 1.3 2.2 2.4 3.2	3.2 4.0 3.9 3.8 3.8 3.3 5.3 3.3	3.1 1.8 1.9 2.6 2.4 3.4 2.4	1.6 0.1 2.1 2.7 1.4 5.6 2.4 0.6	2.1 2.4 3.8 3.0 2.9 4.5 3.3 2.6
United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany ^b Denmark	5.1 3.0 2.9 4.1 3.8 3.4 3.8 1.0 3.3	3.4 2.6 1.4 0.5 1.3 2.2 2.4 3.2 1.3 0.9	3.2 4.0 3.9 3.8 3.8 3.3 5.3 3.3 3.3 2.0	3.1 1.8 1.9 2.6 2.4 3.4 2.4 2.2 1.7	1.6 0.1 2.1 2.7 1.4 5.6 2.4 0.6 -0.8	2.1 2.4 3.8 3.0 2.9 4.5 3.3 2.6 3.2
United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany ^b Denmark Finland	5.1 3.0 2.9 4.1 3.8 3.4 3.8 1.0 3.3 4.1 5.3	3.4 2.6 1.4 0.5 1.3 2.2 2.4 3.2 1.3 0.9 3.6	3.2 4.0 3.9 3.8 3.8 3.3 5.3 3.3 2.0 2.8	3.1 1.8 1.9 2.6 2.4 3.4 2.4 2.2 1.7 4.3	1.6 0.1 2.1 2.7 1.4 5.6 2.4 0.6 -0.8 0.5	2.1 2.4 3.8 3.0 2.9 4.5 3.3 2.6 3.2 2.0
United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany ^b Denmark Finland Norway	5.1 3.0 2.9 4.1 3.8 3.4 3.8 1.0 3.3 4.1 5.3 5.4	3.4 2.6 1.4 0.5 1.3 2.2 2.4 3.2 1.3 0.9 3.6 2.9	3.2 4.0 3.9 3.8 3.8 3.3 5.3 3.3 2.0 2.8 3.8	3.1 1.8 1.9 2.6 2.4 3.4 2.4 2.2 1.7 4.3 1.2	1.6 0.1 2.1 2.7 1.4 5.6 2.4 0.6 -0.8 0.5 3.3	2.1 2.4 3.8 3.0 2.9 4.5 3.3 2.6 3.2 2.0 -0.2
United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germanyb Denmark Finland Norway Sweden	5.1 3.0 2.9 4.1 3.8 3.4 3.8 1.0 3.3 4.1 5.3 5.4 3.3	3.4 2.6 1.4 0.5 1.3 2.2 2.4 3.2 1.3 0.9 3.6 2.9 1.5	3.2 4.0 3.9 3.8 3.8 3.3 5.3 3.3 2.0 2.8 3.8 1.9	3.1 1.8 1.9 2.6 2.4 3.4 2.4 2.2 1.7 4.3 1.2 2.0	1.6 0.1 2.1 2.7 1.4 5.6 2.4 0.6 -0.8 0.5 3.3 -0.7	2.1 2.4 3.8 3.0 2.9 4.5 3.3 2.6 3.2 2.0 -0.2 3.5
United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany ^b Denmark Finland Norway	5.1 3.0 2.9 4.1 3.8 3.4 3.8 1.0 3.3 4.1 5.3 5.4	3.4 2.6 1.4 0.5 1.3 2.2 2.4 3.2 1.3 0.9 3.6 2.9	3.2 4.0 3.9 3.8 3.8 3.3 5.3 3.3 2.0 2.8 3.8	3.1 1.8 1.9 2.6 2.4 3.4 2.4 2.2 1.7 4.3 1.2	1.6 0.1 2.1 2.7 1.4 5.6 2.4 0.6 -0.8 0.5 3.3	2.1 2.4 3.8 3.0 2.9 4.5 3.3 2.6 3.2 2.0 -0.2
	Turkmenistan Turkey Poland Bulgaria Costa Rica Algeria Panama Armenia Chile Iran, Islamic Rep. Moldova Ukraine Mauritius Czechoslovakia Kazakhstan Malaysia pper-middle-income Botswana South Africa Lithuania Hungary Venezuela Argentina Uruguay Brazil Mexico Belarus Russian Federation Latvia Trinidad and Tobago Gabon Estonia Portugal Oman Puerto Rico Korea, Rep. Greece Saudi Arabia Yugoslavia - and middle-income ab-Saharan Africa ast Asia & Pacific puth Asia prope and Central Asia iddle East & N. Africa atin America & Caribbean rely indebted I-income economies ECD members Ireland Ifsrael Issael New Zealand	Consumy 1970-80 1970-80	Azerbaijan	Private Priv	Consumption Consumption	Private Pri

a. General government consumption figures are not available separately; they are included in private consumption, etc. b. Data refer to the Federal Republic of Germany before unification.

Table 9. Structure of demand

	Gen		n ·		C 1		C 1		Exports		n.	
	consun	nption	consump	tion, etc.	Gross de invest	ment	Gross de	ngs	and nor	ices	Reso bala	nce
ow-income economies China and India	1970 10 w 8 w	1991 10 w 10 w	1970 71 w 68 w	1991 64 w 59 w	1970 21 w 24 w	27 w 29 w 22 w	1970 20 w 24 w 12 w	27 w 31 w 17 w	7 w 3 w	1991 19 w 16 w 26 w	1970 -1 w 0 w	1991 -1 1
Other low-income	13 w	12 w 20	76 w	71 w 90	15 w	42 W	12 W	-10	14 w	20 W	-4 w	-6 1 -52
1 Mozambique 2 Tanzania	11	20 16	69	90 96	23	22	20	-10 -11	26	20	 -2	-32 -33
3 Ethiopia	10	21	79	78	11	10	11	0	11	8	0	-10
4 Uganda	a	8	84	93	13	12	164	- I	22	7	3	-13
5 Bhutan	• •	• •	• •	• •	• •	• •	• •		• •	29	• •	-12
6 Guinea-Bissau	20	17	77	85	30	30	3	-3	4	13	-26	-33
7 Nepal 8 Burundi	a 10	10 16	97 87	85 85	6 5	19 17	3 4	5 -1	5 11	14 10	-3 -1	-14 -18
9 Chad	27	20	64	97	18	8	10	-17	23	19	-8	-25
) Madagascar	13	ğ	79	92	10	8	7	-1	19	17	-ž	-9
1 Sierra Leone	12	11	74	85	17	11	15	4	30	19	-2	-6
2 Bangladesh	13	ii	79	86	11	10	7	3	8	ģ	-4	-7
3 Lao PDR		11								15		-14
4 Malawi	16	14	73	77	26 7	20 13	11	9	24 12	24	-i5	-11
5 Rwanda	9	20	88	78			3	1		12	-4	-11
6 Mali	10	12	80	82	16	23	10	6	13	17	-6	-16
7 Burkina Faso 8 Niger	9	17 8	92 89	79 86	12 10	23 9	-1 3	4 7	7 11	12 16	-12 -7	-19 -3
9 India	ģ	12	75	69	17	20	16	19	4	9	- <i>i</i>	-1
0 Kenya	16	17	60	63	24	21	24	19	30	27	-1	-1
1 Nigeria	8	13	80	65	15	16	12	23	8	36	-3	6
2 China	8	9	64	52	28	36	29	39	3	20	Õ	3
3 Haiti	10	1.2	83	1:	11	1.2	7	• :	14	1:	-4	٠.
4 Benin	10 21	12	85 75	85 86	12 19	12 11	5	3	22 28	24 15	-6	-9 -12
5 Central African Rep.		15					4	-1			-15	
6 Ghana	13	9	74	83	14	16	13	.8	21	17	-1	-8
7 Pakistan 8 Togo	10 16	13 15	81 58	75 74	16 15	19 19	9 26	12 10	8 50	16 42	-7 11	-7 -9
8 Togo 9 Guinea		10		7 4 76	13	18	20	14	30	26		-9 -4
0 Nicaragua	· ;	21	75	89	18	21	16	-10	26	22	-2	-31
1 Sri Lanka	12	10	72	77	19	23	16	13	25	28	-3	-10
2 Mauritania	14	íğ	56	81	22	16	30	10	41	50	8	-6
3 Yemen, Rep.		28	<u>:</u> :	70	1:	13	1.2	2	1.1	29	• :	-11
4 Honduras 5 Lesotho	11 12	10 18	74 120	70 95	21 12	24 93	15 -32	20 -13	28 11	31 13	-6 -44	-4 -106
6 Indonesia 7 Egypt, Arab Rep.	8 25	9 10	78 66	55 83	16 14	35 20	14 9	36 7	13 14	27	-2 -5	-13
7 Egypt, Arab Rep. 8 Zimbabwe	12	21	67	61	20	22	21	18		30 33		-13
9 Sudan	21		64		14		15		16		2	
0 Zambia	16	10	39	78	28	. 13	45	12	54	29	17	-1
Aiddle-income economies Lower-middle-income				• •								
		1.5	• • •	, .	24	14	24	• • •	25	10	• • •	
1 Bolivia 2 Côte d'Ivoire	10 14	15 18	66 57	77 67	24 22	14 10	24 29	9 15	25 36	18 37	0 7	-5 5
3 Senegal	15	13	7 4	78	16	14	11	9	27	25	-5	-5
4 Philippines	9	9	69	72	21	20	22	19	22	30	1	-1
5 Papua New Guinea	30	24	64	63	42	29	6	13	18	39	-35	-16
6 Cameroon	12	14	70	71	16	15	18	15	26	18	2	0
7 Guatemala	8	6	78 77	84	13	14	14	10	19	18	1	-4
8 Dominican Rep. 9 Ecuador	12 11	9 8	77 75	77 70	19 18	17 22	12 14	14 22	17 14	27 31	-7 -5	-3 0
0 Morocco	12	15	73	68	18	22	15	17	18	22	-4	-6
1 Jordan		23		78		21		-1		57		-22
2 Tajikistan	• •											
3 Peru	12	5	70	82	16	16	17	13	18	9	2	-3
4 El Salvador	11	11	76	88	13	14	13	1	25	15	0	-12
5 Congo	17	22	82	58	24	11	1	20	35	42	-23	9
6 Syrian Arab Rep.	17	;;	72	::	14		10		18	<u>;</u> ;	-4	٠.
7 Colombia 8 Paraguay	9 9	11 8	72 77	66 75	20 15	15 25	18 14	23 17	14 15	21 26	-2 -1	-8 -8
9 Uzbekistan											-1	-0
0 Jamaica	12	12	61	68	32	20	27	20	33	64	-4	0
1 Romania		14		57		34		29		17		-5
2 Namibia		27		64		14		9		58		-5
3 Tunisia	17	16	66	66	21	23	17	18	22	39	-4	-5
4 Kyrgyzstan	::	16		50	26	34	2:	34		20	• ;	-1
5 Thailand	11	10	68	58	26	39	21	32	15	38	-4	-7

Note: For data comparability and coverage, see the technical notes. Figures in italics are for years other than those specified.

		Gen govern	nment	Pri			lomestic	Gross d		and no	of goods nfactor	Reso	
		1970	1991	consump 1970	1991	inves 1970	tment 1991	1970	ngs 1991	1970 serv	1991	bala 1970	nce 1991
67 Az	zerbaijan												
68 Tu	ırkmenistan	;;	;;			20		1.2		٠,			٠.;
	irkey oland	13	17 20	70	66 58	20	20 21	17	17 22		20 20	-2 · ·	-3 0
	ılgaria		13		73		13		15		63		2
	osta Rica	13	16	74	61	21	23	14	22	28	39	-7	-1
	geria	15 15	16 21	56 61	48 72	36 28	30	29 24	36	22 38	31 29	-7	6 ~8
	inama rmenia				12	28	15	24		38	29	-3 · ·	-8
	hile	13	10	70	66	16	19	17	24	15	36	i	5
	an, Islamic Rep.	16	13	59	77	19	20	25	10	24	20	6	-11
	oldova												
	kraine auritius	14	12	75	65	10	28	ii	23	43	64	i	-5
	zechoslovakia	- ::	a		67		31				42		2
	azakhstan												
	alaysia	16	14	58	56	22	36	27	30	42	81	4	5
	er-middle-income	11 w	• •	66 w	* •	24 w	• •	23 w	• •	16 w	• •	-1 w	
	otswana	20	21	78 63	58	42	16	2 24	21	23	25	-4 I	٠.
	outh Africa Ithuania	12	16	03	63	28	21	24	21	22	25	-4	5
	ungary	10	13	58	67	34	19	31	19	30	34	-2	0
38 Ve	enezuela	- 11	9	52	67	33	19	37	23	21	31	4	5
	rgentina	10	4	68	81	22	12	22	15	9	11	a	2
	ruguay razil	19 11	13 9	83 69	70 <i>70</i>	а 2 і	13 20	-1 20	17 30	15 7	24 10	-1 0	4 0
	exico	7	8	75	72	21	23	19	20	6	16	-3	-3
	elarus		a		71		30				50		-1
	ussian Federation		20		41		39		40		1.2		0
	atvia	12	10		46	· · ·	34	27	43	42	35	• ;	10
	rinidad and Tobago abon	13 20	15 17	60 37	59 41	26 32	18 26	27 44	26 42	43 50	41 50	1 12	8 16
	stonia		10		65		29		25				-4
99 Pc	ortugal	14	٠.	67		26		20	٠.	24		-7	
	man	13	35	19	38	14	17	68	26	74	::	54	10
	uerto Rico orea, Rep.	15 10	15 11	74 75	64 53	29 25	16 39	10 15	22 36	44 14	76 29	-18 -10	6 -3
	reece	13	20	68	72	28	17	20	8	10	23	-8	-9
04 Sa	nudi Arabia	20		34		16		47		59		31	
	igoslavia	18	7	55	72	32	21	27	21	18	24	-5	-1
	nd middle-income	11 w	15	68 w	71	23 w	24 w	21 w	14	13 w	20	-1 w	
	Saharan Africa Asia & Pacific	12 w 9 w	15 w 10 w	73 w 66 w	71 w 55 w	17 w 26 w	16 w 35 w	16 w 25 w	14 w 36 w	21 w 7 w	28 w 30 w	−1 w −1 w	-3 t -1 t
	h Asia	10 w	12 w	76 w	72 w	16 w	19 w	14 w	17 w	5 w	10 w	−2 w	-3
	pe and Central Asia	::		::		::	• •	::	• •		• •	• •	
	lle East & N. Africa 1 America & Caribbean	18 w 10 w	13 w	57 w 70 w		19 w 21 w	19 w	25 w 20 w		29 w 13 w	18 w	5 w -2 w	-1 1
-	y indebted	10 w		72 w	• • •	22 w	20 w	21 w			16 w		
	ncome economies	16 w	17 w	60 w	61 w	23 w	21 w	24 w	22 w	14 w	20 w	1 w	1 1
	D members	16 w	17 w	60 w	61 w	23 w	21 w	24 w	22 w	13 w	19 w	1 w	1
	eland	15	16	69	56	24	19	16	28	37	62	-8	9
07 †Isi		34 13	28 17	58 65	58 63	27 25	23 18	8 22	14 20	25 23	28 28	-20 -3	-9 2
	ew Zealand pain	10	16	64	62	23 27	25	26	22	13	28 17	-3 -1	-3
	ong Kong	7	8	68	60	21	29	25	32	92	141	4	3
11 †Si	ngapore	12	11	70	43	39	37	18	47	102	185	-20	9
	nited Kingdom	18	21	62	64	20	16	21	15	· 23	24	i	-1
	ustralia aly	14 13	19 17	59 60	62 62	27 27	19 20	27 28	19 20	14 16	18 20	0 0	0
	etherlands	15	14	57	59	30	21	28	26	42	54	-2	5
16 Be	elgium	13	15	60	63	24	20	27	23	52	73	2	3
17 A	ustria	15	18	55	55	30	26	31	26	31	41	1	1
	rance	15 19	18 21	58 57	60 60	27 22	21 20	27 24	21 19	16 23	23 25	1 3	0 -1
	anada nited States	19	18	63	67	18	15	18	15	6	11	0	-1 -1
	ermany ^b	16	18	55	54	28	21	30	28	21	34	2	6
22 D	enmark	20	25	57	52	26	17	23	23	28	36	-3	6
	inland	14	24	57	56	30	21	29	20	26	22	-1	-1
	orway weden	17 22	21 27	54 54	51 54	30 25	19 17	29 24	28 19	42 24	45 28	-1 -1	9
	pan	7	9	52	57	39	32	40	34	11	10	1	2
_∪ J2L		10	14	59	57	32	27	31	29	33	35	$-\frac{1}{2}$	1
27 Sv	witzerland												

a. General government consumption figures are not available separately; they are included in private consumption, etc. b. Data refer to the Federal Republic of Germany before unification.

Table 10. Structure of consumption

					s rents,						onsumptio
		Cereals	Clothing	_ fuel a	nd power				nsport and		Other
	Total	and subers	and footwear	Total	Fuel and power	Medical care	Education	Total	Automobiles	Total	consum durable
-income economies hina and India ther low-income											
Mozambique	::	22									
	04 49	32 24		8 14	3 7	3	4		i I		3 2
Uganda											
	• •	• •	• •	• •							
Nepal	57	38	12	14	6	3	i	1	0	13	2
Madagascar	59	26	6	12	6	2	4	4	1	14	1
Sierra Leone	56	22	4	15	6	2	3	12		.8	1 3
Lao PDR											
Malawi Rwanda											3 9
Burkina Faso											
	52	18	 ! !	10	·			7	· .	13	3
Kenya	38	16	7	12	2	3	10	8	<u>i</u>	22	6
Nigeria	48	18	5	4	1	3	4	3	1	35	6
Haiti			13				, ,			13	
Benin Central African Ren		12	14	12		5	4	14	2	15	5
					_						
Pakistan	37	12	6	16	5	ĺ	ĺ	13		26	5
Nicaragua				<u> </u>							
Sri Lanka	43	18	7	6	3	2	3	15	1	24	5
Yemen, Rep.											
Honduras Lesotho	39		9	21		8		3		15	
								_			5
Egypt, Arab Rep.	49	10	11	9	3	3	6	4	I	18	3
	40 60			12 15	5 4	-					3
Zambia	36	8	10	11	4	8	14	5	1	16	1
dle-income economies ower-middle-income											
Bolivia	33		9	12	1	5	7	12		22	
					-				0		3 2
Philippines	51	21	4	19	5		4	4	2	16	2
	_			_					*		3
Guatemala	36	10	10	14	5	13	4	3	0	20	5
				15 7 ^d	5	8	3 6°				8
Morocco	38	12	11	ģ	2	5	8	8	1	21	5
Jordan	35		5	6		5	8	6		35	
	35		· ;	15		4	6	10		24	 7
El Salvador	33	12	9	7	2	8	5	10	1	28	7
											4
Colombia	29		6	12	2	7	6	13		27	
Paraguay Uzbekiston	30	6	12	21	4	2	3	10	1	22	3
Jamaica	36	14	5	15	5	5	5	16	1	18	
Romania							. ,				
	37	· ;	10	13	4	· 7	10	· ;	i	18	5
Kyrgyzstan Thailand	30										
	40	7	16	7	4	5	5	13	0	24	5
	hina and India ther low-income Mozambique Tanzania Ethiopia Uganda Bhutan Guinea-Bissau Nepal Burundi Chad Madagascar Sierra Leone Bangladesh Lao PDR Malawi Rwanda Mali Burkina Faso Niger India Kenya Nigeria China Haiti Benin Central African Rep. Ghana Pakistan Togo Guinea Nicaragua Sri Lanka Mauritania Yemen, Rep. Honduras Lesotho Indonesia Egypt, Arab Rep. Zimbabwe Sudan Zambia dle-income economies ower-middle-income Bolivia Côte d'Ivoire Senegal Philippines Papua New Guinea Cameroon Guatemala Dominican Rep. Ecuador Morocco Jordan Tajikistan Perl El Salvador Congo Syrian Arab Rep. Colombia Paristan Paris	income economies hina and India ther low-income Mozambique Tanzania 64 Ethiopia 49 Uganda Bhutan Guinea-Bissau Nepal 57 Burundi Chad Madagascar 59 Sierra Leone 56 Bangladesh 59 Lao PDR Malawi 30 Rwanda 29 Mali 57 Burkina Faso Niger India 52 Kenya 38 Nigeria 48 China 61 Haiti Benin 37 Central African Rep Ghana 50 Pakistan 37 Central African Rep Ghana 43 Mauritania Yemen, Rep Honduras 39 Lesotho Indonesia 48 Egypt, Arab Rep Sider and and and and and and and and and and	Income economies Income economies Income economies Income economies Income Final Fina		India	Total wheels	Part Part	India	Indicates Indi	Information Information	

	Fe	ood		Gro	ss rents,		sehold consumptio			Other c	onsumption
	-	Cereals	Clothing		nd power				insport and		Other
	Total	and tubers	and footwear	Total	Fuel and power	Medical care	Education	Total	munication Automobiles	Total	consume durable
67 Azerbaijan											
68 Turkmenistan							• ;				
69 Turkey 70 Poland	40 29	9 4	15 9	13 6	7 2	4 6	1 7	5 8	0 2	23 35	
71 Bulgaria									.		
72 Costa Rica	33	8	8	9	1	7	8	8	0	28	9
73 Algeria	::	·	• :	::	• :	• •		• :		: :	٠,
74 Panama 75 Armenia	38		3	11	3	8	9	7	0	24	6
76 Chile	29	ż		13	· · ·	5	6	ii	Ö	29	5
77 Iran, Islamic Rep.	37	10	9	23	2	6	5	6	1	14	5
78 Moldova				. • •		• •	• •		• •		
79 Ukraine 80 Mauritius	24	· ;	5	19	3			ii	i	28	4
81 Czechoslovakia											
82 Kazakhstan											
83 Malaysia	23		4	9		5	7	19		33	
Upper-middle-income				*							
84 Botswana	25	12	8	. 8	2	8 5 ^f	18	.8	2	26	7
85 South Africa 86 Lithuania	34			12	• •	3.		17	• •	26	
87 Hungary	25	3	9	. 9	5	5	7		2	36	8
88 Venezuela	23		7	10		8	5 ^c	11	<u></u>	36	
89 Argentina	35	4 7	6 7	9 12	2	4	6	13 13	0	26	6
90 Uruguay 91 Brazil	31 35	9	10	11	2 2	6 6	4 5	8	0 1	27 27	5 8
92 Mexico	35 35 ^b		10	8		5	5	12	•	25	
93 Belarus											
94 Russian Federation											
95 Latvia 96 Trinidad and Tobago	10		14	18	i			12	4	21	• •
96 Trinidad and Tobago 97 Gabon	19 	3	14					12		21	
98 Estonia											
99 Portugal	34	8	10	9	3	6	5	13	3	24	7
00 Oman							• •				
01 Puerto Rico 02 Korea, Rep.	35	14	6	 11	5	· .	ģ		• •	25	5
03 Greece	30	3	8	12	3	6	5	13	2	26	5
04 Saudi Arabia	27	• ;	i.i	9	• ;	• ;			• :		
05 Yugoslavia Low- and middle-income	21	4	10	9	4	6	3	11	2	32	9
Sub-Saharan Africa East Asia & Pacific											
South Asia											
Europe and Central Asia											
Middle East & N. Africa Latin America & Caribbean											
Severely indebted							-				:
High-income economies											
OECD members			7	1. 2							
06 Ireland	22	4	5	11	5	10	7	11	3	34	5
07 †Israel	21		5	20	2	9	12	10		23	
08 New Zealand 09 Spain	12 24	2	6 7	14 16	2 3	9 7	6 5	19 14	6 3	35 27	9 6
10 †Hong Kong	12	í	ģ	15	2	6	5	9	í	44	15
11 †Singapore	19		8	11		7	12	13		30	
12 United Kingdom	12	2	6	17	4	8	6	14	4	36	· <u>;</u>
13 Australia 14 Italy	13 19	2 2	5 8	21 14	2 4	10 10	7 7	13 11	4 3	31 30	7 7
15 Netherlands	13	2	6	18	6	11	8	10	3	30 34	8
16 Belgium	15	2	- 6	17	7	10	9	11	3	31	7
17 Austria	16	2	9	17	5	10	8	15	3	26	7
18 France	16 11	2 2	6 6	17 21	5 4	13 5	7 12	13 14	3 5	30 32	7 8
19 Canada 20 United States	10	2	6	18	4	14	8	14	5	32 30	7
21 Germany ⁸	12	2	7	18	5	13	6	13	4	31	9
122 Denmark	13	2 3	5	19	5	9	9	13	5	33	7
23 Finland	16		4	15	4	9	8	14	4	35	6
24 Norway 25 Sweden	15 13	2 2	6 5	14 19	5 4	11 11	8 8	14 11	6 2	32 32	7 7
26 Japan	17	4	6	17	3	10	7	9	1	34	6
		-7	U		,	10	,		1	J**	U
27 Switzerland	17		4	17	6	15		9		<i>3</i> 8	

Fuel exporters

a. Data refer to either 1980 or 1985. b. Includes beverages and tobacco. c. Refers to government expenditure. d. Excludes fuel. e. Includes fuel. f. Excludes government expenditure. g. Data refer to the Federal Republic of Germany before unification.

Table 11. Central government expenditure

	-						Hou	liture sing,					То	tal	Ove	erall
							amen social s	ities;	Econ	omic			expend		surplus	
		ense	Educ		_	alth	and w		serv		_	era	of G			GNP)
ow-income economies China and India Other low-income	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	19
1 Mozambique 2 Tanzania	9.2		13.3		6.0		2.5		42.9		26.1		20.0		0 4	
3 Ethiopia			10.1		3.7		5.4		23.8		57.0		28.8 23.4		-8.4 -4.5	
4 Uganda 5 Bhutan	25.2 0.0	0.0	14.9 12.8	10.7	5.1 5.0	4.8	4.2 4.9	8.2	11.1 56.8	48.2	39.5 20.5	28.2	6.1 40.6	43.3	-3.1 0.9	-2
6 Guinea-Bissau		4.2		2.7		1.4						91.7		63.0		-1
7 Nepal 8 Burundi	6.7	5.9	9.9	10.9	3.9	4.7	1.7	6.8	58.8	43.0	19.1	28.8	14.2 21.7	18.4	-3.0 -3.9	-
9 Chad						• •								31.2	-3.9	-
0 Madagascar		7.5		17.2		6.6		1.5	• •	35.9		31.2	• • •	16.1		
1 Sierra Leone ^b 2 Bangladesh ^b	<i>4.1</i> 9.4	9.9 10.1	<i>14.9</i> 11.5	13.3 11.2	9. <i>1</i> 6.4	9.6 4.8	3.6 5.3	3. <i>1</i> 8.0	46.9	29.0 34.4	68.3 20.4	35.2 31.5	29.8 10.0	9.8 15.0	-13.2 2.5	_
3 Lao PDR 4 Malawi ^b	12.8	5.4	9.0	 8.8	5.5	7.4	 1.6	3.2	43.7	35.0	27.3	40.2	37.6	29.2	-17.3	_
5 Rwanda	13.1		18.8		4.5	/. 4 	4.1		41.4		18.0		14.3		-1.7	
6 Mali 7 Burkina Faso	11.0 17.0	٠.	15.7		3.1		3.0		11.2		56.0		21.6		-4.7	
8 Niger	3.8		15.5 18.0		5.8 4.1		7.6 3.8		19.3 32.4		34.8 38.0	• •	14.1 18.7		0.3 -4.8	
9 India 0 Kenya ^b	19.8 16.4	17.0 10.0	1.9 19.6	2.5 19.9	1.6 7.8	1.6 5.4	4.3 5.1	6.9 3.9	24.2 22.7	20.8 20.7	48.3 28.2	51.2 40.1	13.2 26.1	17.5 28.3	-6.5 -4.6	
1 Nigeria ^b																
2 China 3 Haiti	9.6		6.6		4.5	٠.	5.0		28.0		46.3		17.5		-4.7	
4 Benin															-4.7	
Charab African Rep.	9.7		17.6	•••	5.1	• •	6.3	• •	19.6		41.7	• •	21.9	• •	-3.5	
6 Ghana ^b 7 Pakistan	3.7 30.6	27.9	22.0 2.7	1.6	7.0 1.5	1.0	6.8 4.1	3.4	20.7 37.2	11.6	39.8 23.9	54.6	10.9 17.7	21.9	-4.2 -5.8	_
8 Togo 9 Guinea	7.2		16.7		5. <i>3</i>		12.0		25.2		33.7		31.9	24.9	-2.0	
Nicaragua	11.0		11.6		14.6		7.4		20.6		34.9		32.6	33.8	-7.3	
1 Sri Lanka	1.7	9.4	6.7	8.3	4.9	4.8	12.7	18.4	15.9	24.6	58.2	34.5	41.6	29.4	-18.4	-
2 Mauritania 3 Yemen, Rep.				• •			• •									
Honduras Lesotho	o.o	6.5	15.3	21.9	6.2	11.5	i.3	5.5	35.9	31.6	41.2	23.1	22.7	31.8	-3.7	
6 Indonesia	13.5	8.2	8.3	9.1	2.5	2.4	1.8	1.8	40.2	27.1	33.7	51.5	23.1	20.7	-2.3	
7 Egypt, Arab Rep. 8 Zimbabwe	11.4	12.7	8.1	13.4	2.4	2.8	13.1	17.8	7.2	8.2	57.7	45.3	53.7	39.6	-12.5	
9 Sudan ^b	25.0 13.2	16.5 	15.5 9.8	23.4	5.4 1.4	7.6 · ·	7.8 0.9	3.9 	18.1 19.8	22.4	28.2 54.9	26.2	35.3 19.8	35.9	-11.1 -3.3	-
0 Zambia ^b	0.0		11.4		6.1		3.4		32.6		46.6		40.0	21.9	-20.0	_
liddle-income economies Lower-middle-income																
1 Bolivia 2 Côte d'Ivoire	3.9	13.1	16.3	18.7	3.9	3.3	4.3	18.8	13.4	16.9	58.1	29.3	29.0 32.4	18.8 <i>30.1</i>	0 -11.1	
3 Senegal	16.8		23.0		4.7	::	9.5	::	14.4	 <u>.</u>	31.6		23.9		0.9	
Philippines ^b Papua New Guinea ^b	15.7 4.4	10.9	13.0 16.5	16.1	4.5 8.6	4.2	6.6 2.6	3.7	56.9 22.7	24.7	3.4 45.1	40.3	13.4 35.2	19.1 	-1.4 -2.0	•
6 Cameroon	9.1	6.7	12.4	12.0	5.1	3.4	8.0	8.7	24.0	48.1	41.4	21.2	15.5	22.3	0.5	_
7 Guatemala 8 Dominican Rep.	7.8	13.3 4.8	12.6	19.5 10.2	9.3	9.9 14.0	13.8	7.8 20.2	37.1	21.7 36.5	19.3	27.8 14.2	14.4 17.5	12.0 12.3	-3.9 -2.7	-
Ecuador b	12.5	12.9	34.7	18.2	7.8	11.0	1.3	2.5	21.1	11.8	22.6	43.6	15.0	16.0	-1.5	
Morocco Jordan	17.9 25.3	21.3	7.6	14.8	3.4	5.0	6.5	17.7	27.8 28.3	10.4	27.1	30.9	34.2	41.4	-10	
? Tajikistan																
Peru ^b El Salvador ^b	21.0 8.8	16.4 20.6	15.6 19.8	21.1 14.4	5.6 9.0	5.6 7.7	0.0 2.1	0.5 1.4	22.1 21.0	19.1	35.7 39.3	56.4 36.7	20.4 17.6	8.8 10.4	-2.5 -5.9	
Congo	9.7		11.0		5.1		7.0		34.2		33.0_	•••	54.6	• • •	-5.8	
Syrian Arab Rep. Colombia	35.8 6.7	31.5	5.5 19.1	7.4	0.8 3.9	1.9	11.3 21.2	3.3	41.1 27.1	30.7	5.4 22.0	25.2	48.1 13.5	24.3 15.1	-9.7 -1.8	
8 Paraguay	12.4	13.3	12.9	12.7	3.6	4.3	19.2	14.8	18.9	12.8	33.0	42. İ	9.8	9.4	0.3	
9 Uzbekistan 0 Jamaica							• •						45.7	• •	-17. i	
1 Romania		10.3		10.0	• • •	9.2	• • • •	26.6		33.0		10.9		37.0	-17.1	_
2 Namibia 3 Tunisia	12.2	6.5 5.6	17.0	22.2 17.5	7.2	9.7 6.3	13.4	14.8 18.3	27.8	17.3 24.4	22.4	29.5 27.9		48.2 34.6	-2.9	
4 Kyrgyzstan													32.5			-
5 Thailand	21.7	17.1	19.8	20.2	4.1	7.4	5.1	5.9	24.2	24.3	25.1	25.1	19.1	15.5	-4.9	
6 Georgia																

			ense	Educ	eation		entage of t	social s		Econ serv	omic vices	Oth	er a	expen (perce	tal diture entage ENP)	surplus (perce	erall s/defici entage GNP)
		1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	199
67	Azerbaijan																
68 69	Turkmenistan Turkey	15.2	10.4	14.2	17.6	3.6	3.0	6.1	3.3	34.0	25.2	26.9	40.5	26.3	30.4	-3.8	-7
70	Poland Pulsaria		5.6		62		ii		23.9	•	16.6		12 6		77.2		ó
71 72	Bulgaria Costa Rica	2.6	3.0	24.6	6.2 19.1	28.7	4.8 32.0	9.5	13.3	18.2	46.6 8.6	16.4	12.8 27.0	26.3	77.3 25.9	-7.8	-9. -1
73	Algeria																
74 75	Panama Armenia	0.0	5.3	13.4	17.1	12.7	20.5	13.5	23.8	21.9	6.1	38.4	27.2	34.2	30.3	-5.8	3
76	Chile	<u> 12.4</u>		14.5		7.4		37.1		13.8		14.8		29.1		5.6	
77 78	Iran, Islamic Rep. Moldova	15.9	9.6	21.3	20.9	6.4	7.9 	8.7	15.5	24.0	16.1	23.7	29.9	35.7	22.8	-13.8	-2
79	Ukraine																
80 81	Mauritius Czechoslovakia	0.8	1.5 7.1	17.6	14.6 1.9	7.5	8.7 <i>0.4</i>	21.4	17.8 27.0	11.7	15.0 40.2	41.0	42.3 23.4	27.4	23.8 55.6	-10.4	-6
82	Kazakhstan																
83	Malaysia	<u></u>		<u></u>										29.6	30.6	-6.2	-2
84	pper-middle-income Botswanab	9.8	13.3	22.2	20.5	5.4	5.1	7.9	16.2	26.9	16.8	27.9	28.2	36.5	41.9	-0.2	14
85	South Africa				20.5					20.7	70.0		20.2	23.5	33.6	-2.5	-0
86 87	Lithuania Hungary	4.4	3.6	1.8	3.3	2.7	7.9	22.3	35.3	44.0	22.0	24.7	27.9	58.3	54.7	-2.9	ĺ
88	Venezuela	5.8		19.9		8.8		9.5		20.2		35.7		18.7	23.9	0	4
89 90	Argentina Uruguay	13.4	9.9 9.2	8.8	9.9 7.4	4.9	3.0 4.5	48.5	39.4 50.3	11.4	16.0 8.7	13.0	21.7 20.0	19.2 22.7	13.1 27.2	-3.6 0	(
91	Brazil	4.0	3.5	0.0	3.1	8.0	6.7	32.0	25.5	24.0	3.2	32.0	<i>57.9</i>	20.9	35. I	-2.5	-3
92 93	Mexico Belarus	2.3	2.4	18.0	13.9	2.4	1.9	18.5	13.0	31.2	13.4	27.6	55.5	17.4	18.1	-3.1	(
94	Russian Federation																
95 96	Latvia																
90 97	Trinidad and Tobago Gabon ^b	1.7		11.6		5.8		15.9		43.5		21.5		32.5 40.5	37.8	7.8 6.8	-2
98	Estonia																
99 00	Portugal Oman	7.4 51.2	35.4	11.2 4.8	11.4	10.3 2.9	5.4	27.0 2.0	13.1	19.9 18.4	10.3	24.2 20.8	24.4	39.6 43.1	<i>43.3</i> 44.6	-10.1 0.5	-8
01	Puerto Rico																
02 03	Korea, Rep. Greece	34.3 12.6	22.2 6.7	17.1 10.0	15.8 6.0	1.2 10.3	2.0 8. <i>7</i>	7.5 31.3	11.3 0.8	15.6 16.6	19.2 8.8	24.3 19.2	29.5 68.9	17.9 34.4	17.3 60.0	-2.3 -4.8	-1 -26
04	Saudi Arabia																
05	Yugoslavia v- and middle-income	50.0	53.4	0.0	0.0	0.0	0.0	6.3	6.0	18.8	19.6	25.0	21.0	9.0	5.2	-1.1	(
S E N L	ub-Saharan Africa ast Asia & Pacific outh Asia urope and Central Asia fiddle East & N. Africa atin America & Caribbea erely indebted	ın															
	h-income economies												•				
	ECD members		2.2		12.2		12.0	27.7	20.1		12.0	25.4	20.4	40.0			
	Ireland †Israel	<i>3.4</i> 39.8	3.3 22.4	11.4 9.9	12.2 10.4	13.7 3.6	13.0 3.7	27.7 14.4	29.1 30.5	18.4 13.4	12.8 10.1	25.4 19.0	29.4 22.9	48.9 72.4	47.5 36.2	-13.6 -16.1	-: -:
08 09	New Zealand ^b Spain	5.1 4.3	4.1 5. <i>4</i>	14.7 8.0	12.4 5.6	15.2 0.7	12.0 <i>13.7</i>	31.1 60.3	37.4 <i>37.7</i>	15.0 11.9	10.6	18.9 14.8	23.7	39.0	43.7	-6.8	
	†Hong Kong	<u>.</u>		- 0.U - · ·			15./		<i>37.7</i>		11.0	14.0	26.6	26.6	34.0	-4.2	-
11	†Singapore	25.2	24.0	14.6	19.9	7.0	4.6	7.6	8.2	17.7	16.8	27.9	26.5	20.8	22.1	2.2	1
12 13	United Kingdom Australia	13.8 9.4	11.1 8.6	2.4 8.2	3.2 7.0	13.5 10.0	<i>13.3</i> 12.7	30.0 28.5	<i>31.8</i> 31.2	7.5 8.1	8. <i>5</i> 8.3	32.9 35.8	32.0 32.2	38.2 23.1	38.2 27.7	-4.6 -1.5	1
14	Italy	3.4		8.4		12.6		29.6		7.2		38.7		41.0	49.6	-10.7	-1
15 16	Netherlands Belgium	5.6	4.8	13.1	10.5	11.7	12.4	39.5 44.7	42.5	16.0	6.4	19.2	23.4	52.5 51.3	52.5 49.2	-4.5 -8.2	
17	Austria	3.0	2.4	9.7	9.4	13.3	12.9	48.7	47.9	11.7	9.1	13.5	18.3	37.7	39.8	-3.4	-
18 19	France Canada	7.4 7.7	6.3 7.4	8.6 3.8	6.9 2.9	14.8 6.7	15.3 5.2	46.8 35.4	46.4 36.4	6.8 19.4	5.1 11.2	15.6 27.3	20.0 36.8	39.3 21.8	43.7 23.9	-0.1 -3.6	_
20	United States	21.2	21.6	2.6	1.7	10.4	13.8	37.8	28.7	9.7	10.1	18.2	24.1	21.7	25.3	-3.6 -2.8	-
21 22	Germany ^c	9.1	8.3	0.9	0.6	19.0	18.1	49.6	48.9	8.7	8.7	12.6	15.4	30.3	32.5	-1.8	_
,,	Denmark Finland	6.5 5.6	5. 1 4. 7	10.4 14.7	9.5 14.9	1.8 10.5	1.1 11.2	44.7 28.2	39.9 36.7	6.5 27.0	7.6 18.8	30.0 14.0	36.8 13.7	40.4 28.4	41.7 31.0	-2.7 -2.2	-(
23	Norway	7.7 7.7	8.0	8.7	9.4	10.6	10.3	34.7	39.3	22.7	17.5	15.6	15.5	39.2	46.3	-2	
23 24	Consider	1 1	6.3	10.4	9.7	2.2	0.8_	51.5	56.4	10.9	8.0	17.3	18.8	39.8	44.2	-8.2	_
23 24 25	Sweden Iapan ^b	7.7												19/	15 R	_ /	
23 24 25 26 27	Japan ^b Switzerland	10.2	- ; ;	3.4		11.7		49.3		14.2		11.2		18.4 19.5	15.8	-7 -0.2	
23 24 25 26 27 Wor	Japan ^b Switzerland			3.4		11.7		49.3		14.2		11.2					

Table 12. Central government current revenue

							eniage of ic evenue	tal current	revenue	_	`				
		and c	, profit, capital			Goods servi	and ces	Interna trade	and	-				reve	Current enue
		<u>ga</u> 1980	ins	<u>Social :</u> 1980	security 1991	(domesti 1980		transa		Othe		Nontax i		(percentag	
C	r-income economies hina and India ther/low-income	1980		1980	ועצו	1980	_1991	1980	1991	1980	1991	1980	1991	1980	1991
1 2 3 4 5	Mozambique Tanzania Ethiopia Uganda Bhutan	32.5 20.9 11.5 <i>13.8</i>	7.5	0.0 0.0 0.0 0.0		40.8 24.3 41.0 39.1	16.6	17.3 35.7 44.3 0.4		1.6 3.7 0.2 2.3		7.8 15.4 3.1 44.3	75.0	17.6 18.7 3.1 11.4	19.0
6 7 8 9	Guinea-Bissau Nepal Burundi Chad	5.5 19.3	9.9 22.6	0.0	0.0	36.8 25.3	36.7 33.7	33.2 40.4	30.8 15.3	8.2 8.4	5.5 6.6	16.2 5.6	17. i 21.8	7.8 14.0	14. 9.: 8.9
1 2 2	Madagascar Sierra Leone ^b Bangladesh	22.4 10.1	31.5 8.6	0.0 0.0	0.0 0.0 0.0	39.3 16.3 25.5	19.5 23.4 25.8	27.6 49.6 28.6	44.5 40.4 27.3	2.7 1.5 3.9	0.2 15.2	2.4 10.1 31.9	19.5 4.6 23.0	13.4 16.9 11.3	9. 6.0 11.0
13 14 15	Lao PDR Malawi ⁶ Rwanda	33.9 17.8	35.0	0.0 4.1	<i>0.0</i>	30.9 19.3	33.2	22.0 42.4	17.7	0.3 2.4	<i>i.</i> ż	12.9 14.0	12.9	20.7	23.
6 7 8 9	Mali Burkina Faso Niger India Kenya ^b	17.9 17.8 23.8 18.3 29.1	15.4 29.8	0.0 7.8 4.0 0.0 0.0	0.0 0.0 0.0	36.8 15.9 18.0 42.5 38.8	35.5 43.2	17.9 43.7 36.4 22.0 18.5	28.8 15.0	19.5 4.3 2.6 0.6 1.0	0.4 1.5	8.0 10.5 15.3 16.6 12.6	19.9 10.5	11.0 13.6 14.7 11.7 22.6	14.3 21.2
21 22 23 24 25	Nigeria ^b China Haiti Benin Central African Rep.	13.9 16.1		0.0 6.4		15.5 20.8		48.4 39.8		9.6 7.8		12.6 9.1		10.7 16.4	•
6 7 8	Ghana ^b Pakistan Togo Guinea	20.5 13.8 34.4 28.1	10.0	0.0 0.0 5.8 1.0	0.0	28.2 33.6 15.3 6.4	32.2	44.2 34.4 32.0 27.9	30.2	0.2 0.2 -1.7 0.7	0.3	6.9 17.9 14.2 35.8	27.2	6.9 16.4 31.4	16.9 14.6
10 11 12 13 14	Nicaragua Sri Lanka Mauritania Yemen, Rep. Honduras	7.8 15.5 	16.9	8.9 0.0 0.0	0.0	26.8 23.8	37.5 46.1	50.5 37.2	25.9 	10.7 1.9 1.8	4.7	5.3	10.5	24.9	20.
15 16 17 18	Indonesia Egypt, Arab Rep. Zimbabwe Sudan	78.0 16.2 46.2 14.4	16.9 61.8 15.9 44.4	0.0 9.1 0.0 0.0	0.0 0.0 14.2 0.0	8.6 15.1 27.9 26.0	23.7 11.9 26.3	7.2 17.3 4.4 42.6	51.8 6.4 14.0 19.0	1.2 7.7 1.2 0.7	0.1 2.7 8.2 1.0	4.9 34.6 20.2 16.3	14.5 5.4 35.8 9.3	22.2 47.1 24.4 14.0	26. 21. 35. 31.
	Zambia ^b dle-income economies ower-middle-income	38.1		0.0	• • •	43.1	• •	8.3		3.1	95.8	7.3	4.2	27.0	11.9
11 12 13 14	Bolivia Côte d'Ivoire Senegal Philippines ^b Papua New Guinea ^b	13.0 18.4 21.1 60.5	5.1 16.7 28.5	5.8 3.7 0.0 0.0	8.6 6.8 0.0	24.8 26.0 41.9 12.1	34.0 27.8 25.8	42.8 34.2 24.2 16.4	6.0 27.8 28.5	6.1 11.4 2.2 0.6	8.4 11.3 2.7	7.5 6.3 10.6 10.5	37.9 9.6 14.6	23.4 24.9 14.0 23.5	16.0 26.1
16 17 18 19	Cameroon Guatemala Dominican Rep. Ecuador b Morocco	21.7 11.2 19.3 44.6 19.2	45.2 18.1 21.4 56.9	8.0 11.2 3.9 0.0 5.4	6.4 0.0 4.5 0.0	18.0 26.4 21.6 17.4 34.7	20.2 23.2 22.5 21.5	38.4 30.2 31.2 30.8 20.8	14.0 33.8 40.3 14.3	5.9 11.1 1.7 3.0 7.4	9.1 7.2 1.3 5.5	7.9 9.9 22.4 4.3 12.5	5.1 17.7 10.0 1.7	16.2 11.3 14.7 13.5 24.0	19.0 9.1 12.1 18.1
51 52 53 54 55	Jordan Tajikistan Peru ^b El Salvador ^b	13.2 25.9 23.2	9.0 23.1	0.0 0.0 0.0	1.6 0.0 0.0	7.3 37.2 29.8	20.5 74.0 45.5	47.8 27.1 37.0	26.4 10.8 20.6	9.5 2.2 5.6	7.2 3.5 5.2	22.2 7.7 4.5	28.3 2.7 5.5	17.9 11.7	30.5 8.3 9.
56 57 58 59	Congo Syrian Arab Rep. Colombia Paraguay Uzbekistan	9.7 24.9 15.2	30.7 27.8 9.3	0.0 11.2 13.1	0.0 12.6 0.0	7.6 5.3 22.6 17.7	3.2 27.7 19.5	13.0 14.3 20.6 24.8	7.4 17.8 20.1	2.7 10.1 6.8 20.5	35.1 6.7 24.8	23.5 60.7 13.9 8.8	23.5 7.4 26.2	26.8 12.1 10.6	24.4 13.4 12
50 51 52 53.	Jamaica Romania Namibia Tunisia	33.7	35.2 23.4 14.5	9.3	28.9 0.0 12.3	49.3	23.2 25.1 22.6	3.1	3.1 37.5 28.4	5.6	1.5 0.5 4.9	22.0	8.1 13.5 17.4	31.9	37.: 39. 30.
64 65 66	Kyrgyżstan Thailand Georgia	17.7	25.8	0.2	0.7	46.0	43.6	26.2	19.1	1.8	3. i	8.1	7.7	14.5	20.

			-				entage of to evenue	tal current	revenue				_		
		and c	, profit, capital ins	Social s	ecurity	Goods servi (domestic	and ces	Interna trade transa	and	Othe	., a	Nontax i	evenue	Total c reve (percentag	nue
		1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	199
	zerbaijan urkmenistan				٠.										
59 T	urkey	49.1	44.9	0.0	0.0	19.7	34.6	6.0	5.1	4.6	2.9	20.7	12.6	22.3	20.
	'oland Bulgaria		31.7		13.5		12.7		i.ż		0.4		40.4		74.
72 C	Costa Rica	13.7	8.9	28.9	28.6	30.4	27.7	18.9	19.7	2.3	1.1	5.8	14.0	18.7	24.
	Algeria Panama	21.2	15.6	21.2	21.3	16.7	15.8	10.3	11.1	3.8	3. j	26.7	33. i	28.4	<i>32</i> .
-	Armenia Chile	17.6		17.4		35.8		4.3		4.9		19.9		33.2	
'7 I	ran, Islamic Rep.	3.9	11.5	7.4	5.3	3.6	6.7	11.7	45.5	5.3	4.9	68.2	26.1	21.6	19.
	Aoldova Jkraine														
80 N	Mauritius Czechoslovakia	15.3	13.7 23.4	0.0	4.2 0.0	17.2	22.6 36.9	51.6	46.7 6.4	4.3	6.8 23.0	11.6	5.9 10.2	21.0	24. <i>4</i> 9.
	Cazakhstan		23.4	:.	0.0		30.9		0.4		23.0		10.2	• • •	49.
33 N	Malaysia	37.5	33.1	0.4	0.0	16.8	20.9	33.0	18.0	1.8	2.4	10.5	25.6	27.3	28.
	er-middle-income	22.2	20.0	0.0	0.0	0.7	1.0	20.1	12.4	0.1	0.1	26.7	45.0	26.6	
35 S	Botswana ^b Bouth Africa	33.3 55.8	38.8 46.8	0.0 1.1	0.0 1.9	0.7 23.8	1.9 32.7	39.1 3.3	13.4 8.8	0.1 3.2	0.1 2.7	26.7 12.7	45.9 7.1	36.6 25.0	63. 32.
	ithuania Yungary	18.5	17.9	15.3	29.2	38. 3	31.3	6.9	5.8	4.8	<i>ò</i> . <i>ż</i>	16. İ	15.5	55.5	55.
8 1	/enezuela	67.4	61.4	4.6	5.3	4.2	3.4	6.8	8.2	1.8	1.0	15.2	20.8	22.2	24.
	Argentina Jruguay	0.0 10.9	5.6 6.7	16.7 23.4	33.6 27.0	16.7 43.3	15.6 35.9	0.0 14.2	25.9 9.8	33.3 2.7	10.5 15.5	33.3 5.5	8.9 5.1	17.4 23.1	13. 27.
1 E	Brazil Mexico	14.3 36.7	6.9 36.5	28.6 14.1	10.4 13.6	28.6 28.9	8.2 56.0	7.1 27.6	0.7 4.6	3.6 -12.6	2.0 -18.3	17.9 5.3	71.8 7.7	23.4 15.6	67. 14.
	Belarus	30.7			15.0	20.9				-12.0	-10.5			15.0	
	tussian Federation atvia								• •						
76 T	rinidad and Tobago	69.8	 ::	1.0		4.0		7.0	:	0.7		17.5		42.8	
	Gabon ^b Estonia	39.9	27.6	0.0	0.8	4.8	23.7	19.7	17.4	2.0	1.2	33.7	29.3	39.4	35.
	Portugal	19.4	23.8	26.0	25.9	33.7	36.9	5.1	2.5	8.7	3.2	7.1	7.7	31.1	36.
)1 P	Oman Puerto Rico	26.0	21.3	0.0	0.0	0.5	1.0	1.4	3.1	0.3	0.7	71.8	73.9	42.9	35 .
	Korea, Rep. Greece	22.3 17.4	31.3 <i>19.8</i>	1.1 25.8	5.0 32.1	45.9 31.6	33.3 40.4	15.0 5.0	9.2 0.1	3.2 9.6	10.9 -2.3	12.5 10.6	10.4 9.9	18.3 29.7	17. 32 .
04 S	audi Arabia Yugoslavia	0.0	ó.ó	0.0	o, o	64.3	66.4	35.7	31.3	0.0	ó.ó	0.0	2.3	7.9	5
	and middle-income	0.0			***	0									Ž.
East	-Saharan Africa t Asia & Pacific th Asia														
Eur	ope and Central Asia														
	ldle,East & N. Africa in America & Caribbe	an													
	ely indebted														_4
	ncome economies CD members														
06 I	reland	34.3	36.3	13.4	14.4	30.1	3 <u>i</u> .3	9.2	8.1	1.9	3.4	11.1	6.5	37.7	42.
1 80	srael New Zealand ^b	40.7 67.3	32.9 57.3	10.1 0.0	7.4 0.0	24.5 18.0	36.1 26.1	3.6 3.2	1.8 1.9	7.0 1.3	5.0 3.0	14.1 10.3	16.8 11.8	52.0 34.9	29. 39.
09 S	Spain Hong Kong	23.2	32.1 	48.0	<i>36.9</i> 	12.6	22.6	3.8	2. <i>1</i>	4.4	0.8	8.0	5.6 	24.0	<i>32</i> .
11 †S	ingapore	32.5	25.6	0.0	0.0	15.8	16.0	6.9	2.0	13.9	13.8	30.9	42.6	26.3	27.
	Jnited Kingdom Australia	37.7 60.8	<i>39.0</i> 64.8	15.6 0.0	16.3 0.0	27.8 23.3	29.0 20.6	0.1 5.4	0.1 3.3	5.7 0.3	6.9 1.5	13.1 10.1	8.8 9.9	35.2 22.1	37. 27. 39.
4 I	taly	30.0	35.1	34.7	28.7	24.7	30.7	0.1	0.0	2.5	2.4	8.1	3.1	31.2	39.
	Netherlands Belgium	29.6 38.5	31.7 34.9	36.3	35.9 35.3	20.8 24.2	21.1 23.4	0.0	0.0	2.7	2.8 3.2	10.6 4.3	8.6 3.2	49.1 44.0	49. 44.
17 A	Austria France	21.1 17.7	19.6 18.2	35.0 41.2	36.4 43.8	25.6 30.9	24.7 27.2	1.6	1.5	9.1 2.7	8.7 3.8	7.7 7.4	8.9 7.0	34.9 39.4	35. 40. 21.
19 (Canada	52.6	52.4	10.4	13.5	16.6	18.8	0.1 7.0	0.0 3.5	-0.2	0.1	13.6	11.6	19.2	21.
	United States Germany ^c	56.6 18.7	50.7 16.0	28.2 54.2	35.1 51.0	23.1	3.7 27.5	0.0	0.0	0.1	1.0 -0.4	3.9	6.0	19.9 28.7	19. 30.
22 I	Denmark	35.9	37.5	2.3	3.8	46.9	40.8	0.1	0.1	3.3	3.3	11.6	14.6	36.4	40.
	Finland Norway	26.7 27.4	28.4 16.6	11.5 22.3	11.6 24.2	49.1 39.6	45.5 34.4	2.0 0.6	0.9 0.5	3.0 1.1	3.4 1.3	7.7 8.9	10.1 23.0	27.5 42.4	31. 47.
25 5	Sweden	18.2	12.3	33.2	32.4	29.1	30.4	1.2	0.5	4.3	9.4	14.1	15.1	35.4	44.
	apan ^b Switzerland	70.8 14.0	<i>69.2</i>	0.0 48.0	0.0	20.8 19.3	16.9 	2.4 9.5	1.3	0.8 2.0	7.4 	5.2 7.3	5.2	11.6 18.9	14.
World					1										76.0
rue	l exporters														

Table 13. Money and interest rates

	Average	Monetary hold e annual	mgs, oroually	исјини		Average			rates of banks	
	nomina	l growth		rage outstai		annual inflation		(average annuc	<u> </u>	
	rate (p 1970-80	1980-91	as a p 1970	ercentage o	1991	(GDP deflator) 1980-91	Deposit	1991	Lending 1980	3 rate 199
ow-income economies	1770 00	1700 71	1770	1700	1771	1700 71	1700	1771	1700	177
China and India Other low-income										
1 Mozambique						37.6				
2 Tanzania	22.6	12.5	22.9	37.2	56.0	25.7	4.0	17.0	11.5	31
3 Ethiopia 4 Uganda	14.4 28.1	12.5	14.0 16.3	25.3 12.7	56.9	2.4	6.8	1.0 31.2	10.8	6 34
5 Bhutan	20.1	32.3		12.7	22.0	8.3		6.5		15
6 Guinea-Bissau						56.3				
7 Nepai	19.9	19.9	10.6	21.9	36.1	9.1	4.0	8.5	14.0	14
8 Burundi	20.1	9.9	9.1	13.5		4.3	2.5	-: :	12.0	
9 Chad 0 Madagascar	15.2 13.8	9.0 16.0	9.4 17.3	20.0 22.3	19.4 19.0	1.1 16.8	5.5 5.6	7.5 	11.0 9.5	
1 Sierra Leone	19.9	57.7	12.6	20.6	15.3	59.0	9.2	40.5	11.0	52
2 Bangladesh	19.9	21.0	12.0	16.7	30.0	9.3	8.3	12.1	11.3	15
3 Lao PDR							7.2	14.0	4.8	15
4 Malawi	14.7	<i>: :</i>	21.6	20.5	. ; ;	14.9	7.9	12.5	16.7	20
5 Rwanda	21.5	8.5	10.7	13.6	16.6	4.1	6.3	8.8	13.5	19
6 Mali	18.5	8.7	13.8	17.9	20.8	4.3	6.2	7.0	9.4	16
7 Burkina Faso 8 Niger	21.5 23.9	10.9 5.2	9.3 5.2	15.9 13.3	20.2 19.8	4.0 2.5	6.2 6.2	7.0 7.0	9. <i>4</i> 9.4	16
9 India	17.3	16.8	23.9	36.2	44.1	8.2			16.5	i
0 Kenya	19.8	15.1	31.2	36.8	40.7	9.3	5.8	13.7	10.6	18
1 Nigeria	33.7	15.7	9.2	23.8	20.2	18.2	5.3	14.9	8.4	20
2 China		25.4		33.6	84.6	5.8	5.4		5.0	1.
3 Haiti 4 Benin	24.5 19.0	8.6	12.0	26.1	26.5	7.1	10.0	7.0		10
5 Central African Rep.	16.0	5.4 4.4	10.1 16.0	17.1 18.9	17.1	1.6 5.2	6.2 5.5	7.0 7.5	10.5	i
6 Ghana	36.4	42.9	18.0	16.2	12.5	40.2	11.5	21.3	19.0	
7 Pakistan	17.1	13.3	41.2	38.7	35.9	7.0	11.5	21.3	17.0	
8 Togo	22.2	5.9	17.2	29.0	35.2	4.4	6.2	7.0		1
9 Guinea 0 Nicaragua	18.2		0.0	0.0	. • •	583.4	7.5			
1 Sri Lanka 2 Mauritania	23.1 21.5	15.2 11.6	22.0 9.5	35.3 21.3	33.1 26.5	11.2 8.6	14.5 5.5	18.5 5.0	19.0 12.0	1 1
3 Yemen, Rep.	21.5	18.7	 	21.3	20.5	6.0	9.3		12.0	1
4 Honduras	16.0	13.1	19.5	22.6	29.0	6.8	7.0	11.5	18.5	2
5 Lesotho		17.1			34.6	13.8	• •	13.0	11.0	2
6 Indonesia	35.4	26.2	8.0	13.2	40.5	8.5	6.0	23.3		2
7 Egypt, Arab Rep. 8 Zimbabwe	26.0	. 21.8	33.5	52.2	91.7 45.1	12.6	8.3	12.0	13.3	!
8 Zimbabwe 9 <i>Sudan</i>	28.3	28.0	17.5	32.5	43.1	13.5	3.5 6.0	8. 8 · ·	17.5	1
0 Zambia	10.7		29.9	32.6	• • •	• •	7.0	• •	9.5	
liddle-income economies Lower-middle-income										
1 Bolivia	29.4	444.2	14.8	16.2	318.4	263.8	18.0	23.8	28.0	4
2 Côte d'Ivoire	22.6	3.7	24.7	25.8	31.5	3.9	6.2	7.0	9.4	1
3 Senegal 4 Philippines	19.6	5.9	14.0	26.6	22.2	5.9	6.2	7.0	9.4	1
Philippines Papua New Guinea	19.2	16.8 8.1	29.9	26.4 32.9	32.2 33.1	14.6 5.2	12.3 6.9	18.8 9.1	14.0 11.2	2 1
6 Cameroon	22.5	7.0	13.5	18.3	24.4	4.5	7.5	8.0	13.0	
7 Guatemala	18.6	17.2	17.1	20.5	19.3	15.9	9.0	24.4	11.0	3
8 Dominican Rep.	18.1	28.0	17.9	21.8	20.1	24.5				
Ecuador Morrosco	24.2	35.5 14.5	20.0	20.2	13.4 59.2	38.1		41.5	9.0	4
0 Morocco	18.7	14.5	31.1	42.4	58.3	7.1	4.9	8.5	7.0	
l Jordan 2 Tajikistan	24.3	13.0	• •		134.8	1.6	• •			
Peru	33.6	224.0	17.8	16.4		287.4		172.9		79
4 El Salvador	17.3	17.2	22.5	28.1	27.8	17.4		16.1		1
5 Congo	15.7	6.7	16.5	14.7	20.0	0.6	6.5	7.8	11.0	
6 Syrian Arab Rep.	26.5	19.2	34.8	40.9		14.4	5.0	:	:	
7 Colombia	32.7		20.5	23.7	26.1	25.0		37.2	19.0	4
8 Paraguay 9 Uzbekistan	25.9	• •	16.9	19.8	• •	25.1			• •	
) Jamaica	15.7	24.4	31.4	35.4	40.3	19.6	10.3	27.4	13.0	3
1 Romania		10.3		33.4	36.6	6.2				
2 Namibia						12.5				
3 Tunisia	20.3	15.5	33.0	42.1		7.3	2.5	7.4	7.3	
4 Kyrgyzstan 5 Thailand	17.9	18.9	23.6	37.3	71.5	3.7	12.0	12.3	18.0	2
6 Georgia	17.9	10.9	43.0	31.3	/1.3	3.1	12.0	14.3	10.0	

		Average nominal			rage outstan	ding	Average annual inflation		lominal interesi (average annua	il percentage)	
		rate (p.	1980-91	as a p	ercentage o	f GDP 1991	(GDP deflator) 1980–91	Deposit 1980	1991	Lending	g rate 1991
67 Aze	erbaijan										
	kmenistan		50.7								
59 Turi 70 Pola		32.9	52.7 58.6	27.9	17.2 58.4	21.6 29.4	44.7 63.1	8.0 3.0	62.9 27.8	25.7 8.0	101.
	garia						7.9		1.6		5.
2 Cos	sta Rica	30.6	25.7	18.9	38.8	38.3	22.9		27.3		38.
	eria	24.1	14.3	53.6	58.5		10.2				
	ama nenia	• •	• •		36.9		2.4	• •	• •		•
76 Chi		194.2	29.8	12.5	21.0	38.5	20.5	37.5	22.3	47.1	28.
	, Islamic Rep.	33.2	16.7	26.1	54.5		14.1		• •		
	ldova raine	• •	• •	• •	• •	• •	• •		• •	• •	
	uritius	24.3	22.0	37.5	41.1	65.4	8.1		12.3		17.
31 Cze	echoslovakia		6.6		· <u>· · · · · · · · · · · · · · · · · · </u>	63.8	3.5	2.7	8.1		
	akhstan		:	.::	٠.:		.: 2	<i>::</i>	-:	-:	
	laysia	25.2	12.6	34.4	69.8	• •	1.7	6.2	7.2	7.8	8.
	-middle-income		25.0		20.2	27.0	12.2			0.0.00	
	swana uth Africa	15.6	25.8 16.6	59.9	28.2 50.9	27.0 56.2	13.3 14.4	5.0 5.5	11.4 17.3	8.5 9.5	11. 20.
	huania	1.5.0	10.0						17.3	9.J	20.
	ngary						10.3	3.0	23.0	9.0	28.
_	nezuela	26.4	20.2	24.1	43.0	37.3	21.2	70.4	31.1		29.
	gentina Iguay	140.8 78.4	368.5 69.1	27.5 24.5	22.2 32.1	7.6 43.8	416.8 64.4	79.4 50.3	60.3 75.2	66.6	112. 152.
l Bra		9.7		24.3	18.4	43.0	327.7	115.0	913.2		132.
	xico	-47.0	62.0	26.1	26.2	24.1	66.5	20.6	17.1	28.1	
	arus	• • • •		• • •			• •		• •	• •	•
4 Rus	ssian Federation	• •							• •	• •	•
	nidad and Tobago	27.9	5.9	28.2	32.0	53.6	6.4		5.8	10.0	13.
7 Gat		31.3	5.2	14.5	15.2	21.7	1.3	7.5	8.8	12.5	16.
	onia						• • •			• • • •	
9 Por 0 Om	tugal	20.2 29.4	18.6 11.0	87.6	80.8 13.8	74.7 30.6	17.4 -3.0	19.0	14.6 7.1	18:8	22. 9.
	erto Rico	29.4					3.4	• •			
	rea, Rep.	30.4	21.3	32.1	31.7	52.3	5.7	19.5	10.0	18.0	10.
)3 Gre		23.9	22.3	42.9	61.6	79.3	17.7	14.5	20.7	21.3	29.
	di Arabia oslavia	43.7 28.4	7.8 119.0	17.6 54.8	18.6 59.1		-3.1 122.9	5.9		11.5	
	d middle-income			• • • • • • • • • • • • • • • • • • • •							
	aharan Africa										
East A South	sia & Pacific										
	e and Central Asia										
	e East & N. Africa										
	America & Caribbean				_						
	indebted									_	
	ome economies) members										
6 Irel		19.1	6.7	64.0	58.1	46.8	5.8	12.0	5.2	16.0	10.
7 †Isra	el	54.5	99.2	15.0	14.7	56.6	89.0		13.9	176.9	26.
	w Zealand	15.1	10.0	51.4	50.9		10.3		9.0 10.5	12.6	12.
9 Spa 0 †Hor	un ng Kong	20.1	10.8	68.8	74.4 69.5	68.8	- 8.9 7.5	13.1	10.5	16.9	14.
	gapore	17.1	13.5	66.2	74.4	126.1	1.9	9.4	4.6	11.7	7.
2 Uni	ited Kingdom	15.2		49.2	46.0		5.8	14.1	5.3	16.2	11
	stralia	20.4	12.2	43.6	57.9	74.5	7.0	8.6	10.4	10.6	16
4 Ital	y therlands	20.1 14.6	12.0	79.3 53.9	81.9 77.2	78.9 · ·	9.5 1.8	12.7 6.0	6.6 3.2	19.0 13.5	13. 12.
	gium	10.8	7.0	56.7	57.0		4.2	7.7	6.3		12
7 Aus	stria	13,7	7.4	54.0	72.6	87.3	3.6	5.0	3.8		
8 Fra		15.6	9.9	57.8	69.7	76.7	5.7	6.3	6.7	18.7	16.
	nada ited States	17.5 10.0	8.4 8.0	48.4 60.4	65.0 58.3	75.7 67.0	4.3 4.2	12.9	8.6	14.3 15.3	9. 8
	rmany ^a	9.4	6.4	52.8	60.7	68.2	2.8	8.0	7.6	12.0	12
2 Der	nmark	12.4	11.1	44.8	42.6	59.6	5.2	10.8	7.2	17.2	11.
	land	15.4	12.9	39.8	39.5	56.2	6.6		7.5	9.8	11
	rway eden	12.8 11.4	10.6 9.2	54.6 48.1	51.6 46.5	63.9 45.5	5.2 7.4	5.0 11.3	9.6 8.0	12.6 15.1	14 16
26 Jap		16.0	8.9	94.7	134.0	183.1	1.5	5.5	3.3	8.4	7.
	itzerland	5.4	6.8	109.8	107.4	112.0	3.8		7.6		7.
		- John College Transfer Committee	A	- parate	X		wheel and the	M 900 7 10 10 10 10 10	Andrew Co.	1/8 071 1/8/0	
World											

Table 14. Growth of merchandise trade

		Merchandi (millions of			verage annual gro	wth rate ^a (percent)		Terms o	f trade
		Exports	Imports 1991	Expo	1980-91	1970–80		(1987 = 1985	= 100) 1991
	incomo conomico	1991 161,496 t	167,270 t	1970-80 3.5 w	6.6 w	6.0 w	1980-91 2.7 w	1965 106 m	94 n
	income economies	90,539 t	84,209 t	3.5 W 6.9 W	0.0 W 10.4 W	7.3 w	2.7 w 7.8 w	100 m 103 m	106 n
	her low-income	70,957 t	83,062 t	2.0 w	3.3 w	5.4 w	-1.3 w	106 m	93 n
1	Mozambique								
2	Tanzania	394	1,381	-7.5	-1.9	-0.6	2.8	101	84
3	Ethiopia	276	1,031	-2.3	1.9	-0.6	3.3	117	60
4 5	Uganda Bhutan	200	550	-8.4	2.3	-1.5 · ·	3.6	143	48
6	Guinea-Bissau	28	78	15.9	-2.5	-5.2	3.6	91	138
7	Nepal	238	740	10.9	8.1	8.8	4.9	98	85
8	Burundi	91	254	0.2	8.6	5.0	-0.1	133	43
9	Chad Madagascar	194 344	408 523	-3.0	0.3	-0.8	0.5	98	85
1	Sierra Leone	145	163	-5.7	-3.0	-2.0	-7.2	106	116
2	Bangladesh	1,718	3,470	3.8	7.2	-2.4	4.3	122	105
3	Lao PDR	97	228	2:	<i>::</i>			.::	::
4	Malawi Rwanda	470	719	5.4	5.6	1.0	2.2	104	87
16	Mali	354	638	8.3	6.7	5.2	3.5	95	99
17	Burkina Faso	116	602	7.3	6.5	6.4	3.3	108	89
8	Niger	385	431	21.0	1.8	10.9	-3.0	126	82
9	India	17,664	20,418	4.3	7.4	3.0	4.2	96	100
20	Kenya	1,203	2,034	2.9	2.9	1.9	1.0	114	87
2	Nigeria China*	12,071 72,875	6,525 63,791	0.4 8.7	1.2 11.5	19.4 11.3	-14.3 9.5	167 109	82 111
23	Haiti	103	374	5.6	-4.5	6.3	-2.1	89	77
24	Benin	103	398	-11.6	11.3	4.0	-0.2	103	85
25	Central African Rep.	133	196	-0.6	1.3	-2.9	6.1	107	111
6	Ghana	992	1,418	-6.3	5.2	-2.2	1.8	106	62
.7 .8	Pakistan Togo	6,528 292	8,439 548	0.7 4.9	9.9 6.5	4.2 11.2	2.6 2.5	90 118	80 80
9	Guinea	2,2		4.7		11.2	2.3		
30	Nicaragua	268	751	0.8	-4.2	0.1	-1.2	108	107
31	Sri Lanka	2,629	3,861	2.0	6.3	4.5	2.1	103	87
32 33	Mauritania Yemen, Rep.	438	470	-2.0	5.6	1.4	3.1	113	109
33 34	Honduras	679	880	3.8	-0.7	2.1	-1.2	111	113
35	Lesothob							• • • • • • • • • • • • • • • • • • • •	
36	Indonesia	28,997	25,869	7.2	4.5	13.0	2.6	134	101
37	Egypt, Arab Rep.	3,887	7,862	-2.6	2.8	7.8	-2.3	131	93
38 39	Zimbabwe Sudan	1,779 329	2,110 1,433	2.3 -3.5	0.4 -1.2	-3.5 -0.6	-1.0 -4.0	100 106	101 94
40	Zambia	1,082	1,255	-0.2	-3.2	-9.2	-1.8	90	116
Mide	dle-income economies	524,948 t	552,257 t	4.1 w	3.4 w	6.1 w	1.1 w	109 m	103 /
L	ower-middle-income	214,977 t	243,207 t	6.7 w	5.3 w	5.9 w	1.8 w	108 m	103 n
41	Bolivia	760	992	-0.8	4.5	7.3	0.2	167	73
12 13	Côte d'Ivoire Senegal	3,011 977	1,671 1 ,40 7	4.8 1.8	4.5 5.6	9.1 3.7	-2.3 3.4	110 1 06	67. 93
14	Philippines	8,754	12,145	6.0	3.3	3.3	3.0	93	91
1 5	Papua New Guinea	1,361	1,614	10.6	6.8	1.8	1.6	111	80
16	Cameroon	2,022	1,448	4.2	11.5	5.4	-1.5	139	81
17	Guatemala	1,202	1,850	5.7	-0.7	5.8	-0.8	108	103
48 49	Dominican Rep. Ecuador	658 2,957	1,729 2,328	-2.7 12.5	-1.5 4.8	2.0 6.7	1.4 -2.1	109 153	112 90
50	Morocco	4,278	6,872	3.9	5.9	6.6	3.8	88	.98
51	Jordan	879	2,507	19.3	6.9	15.3	-0.8	95	116
52	Tajikistan								
53	Peru	3,307	2,813	3.3	1.1	-1.7	-4.7	111	67
54 55	El Salvador Congo	367 1,455	885 524	1.3 16.8	-2.7 6.6	4.6 5.3	-3.7 -1.9	126 145	103 84
					20.6				
56 57	Syrian Arab Rep. Colombia	5,594 7,269	3,002 4,967	7.0 1.9	12.0	12.4 6.0	3.9 -1.7	125 140	182 84
58	Paraguay	737	1,460	8.3	12.2	5.3	5.8	108	117
9	Uzbekistan	1,081		-1.7		-6.8	2.0		<u> </u>
50	Jamaica		1,843		0.8		2.0	95	91
61 62	Romania Namibia ^b	• •	• •			• •	• •	• •	٠.
63	Tunisia	3,709	5,180	7.5	5.6	12.5	1.5	105	95
64	Kyrgyzstan								
65	Thailand	28,324	37,408	10.3	14.4	5.0	11.1	91	91
56	Georgia					. • •		• •	
*	Data for Taiwan, China, are:	76,090	61,723	15.6	11.0	12.2	10.1	100	106

		Merchand (millions o				wth rate ^a (percent)		Terms o	
		Exports 1991	Imports 1991	Expo 1970-80	1980-91	1970-80	1980-91	(1987 =	: 100) 1991
57 Az	erbaijan	1991							
8 Tu	rkmenistan								
	rkey	13,594	21,038	4.3	7.2	5.7 5.8	7.4	82 94	108 104
	and Igaria	14,903	15,757	5.4	3.3	3.6	2.0	54	104
	sta Rica	1.490	1,864	5.2	4.6	4.2	3.4	111	109
	geria	11,790	7,683	-0.5	2.4	12.1	-5.6	174	95
4 Pai	nama	333	1,681	-7.3	0.0	-5.1	-3.4	130	112
	menia	8,552	7,453	10.4	5.2	2.2	1.9	102	122
-		15,916	21,688	-6.8	14.7	10.3	7.9	160	88
	n, Islamic Rep. oldova	13,910	21,000	-0.8		10.3	1.9		
	raine								
	uritius	1,193	1,575	3.8	9.9	8.2	10.8	83	104
	echoslovakia	16,317	7,947	6.4	0.1	5.7	-6.0	98	137
	zakhstan Ilaysia	34,300	35,183	4.8	10.9	3.7	7.2	117	93
	r-middle-income	309,972 t	309,050 t	2.3 w	2.3 w	6.2 w	0.6 w	117 m	105
34 Bo	tswana ^b	,							
85 So	uth Africa ^b	24,164	17,503	13.4	0.9	-2.0	-4.4	105	86
	huania	10 100	11 270	, i	2.2	20	1.6	104	100
	ngary nezuela	10,180 15,127	11,370 10,181	3.8 -11.6	2.2 0.1	2.0 10.9	1.0 -6.6	104 174	102 101
	gentina	11,975	8,100	7.1	2.1	2.3	-5.5	110	113
	uguay	1,574	1,552	6.5	3.1	3.1	0.2	89	105
91 Bra	azil	31,610	22,959	8.5	4.3	4.0	0.8	92	119
	exico	27,120	38,184	13.5	3.5	5.5	2.2	133	100
	larus			• •	•••	• •			
	ssian Federation tvia	• •			• •	• •			
	nidad and Tobago	1,985	1,667	-7.3	-2.6	-9.6	-10.8	156	97
7 Ga	bon	3,183	806	5.7	5.1	11.6	-3.0	140	79
	tonia								
	rtugal	16,326	26,329	1.2	11.1	1.0	10.0	85	112
	nan erto Rico		• •						
	rea, Rep.	71,672	81,251	23.5	12.2	11.6	11.1	103	108
	eece	8,647	21,552	10.9	3.9	3.2	5.4	94	107
	udi Arabia	54,736	25,540	5.7	-4.2	35.9	-9.0	176	79
	goslavia	13,953	14,737	5.3	-1.2	3.4	-1.2	95	107
	d middle-income Saharan Africa	686,445 t 38,085 t	719,528 t 35,207 t	3.9 w 0.2 w	4.1 w 2.7 w	6.0 w 5.2 w	1.5 w -4.0 w	107 m 107 m	100 87
	Asia & Pacific	251,448 t	265,796 t	9.5 w	10.2 w	7.6 w	8.4 w	96 m	108
South	Asia	29,012 t	37,928 t	3.6 w	7.4 w	2.5 w	3.6 w	97 m	86
	pe and Central Asia	95,153 t	120,861 t	::	.: <u>:</u>	;	::	94 m	108
	le East & N. Africa America & Caribbean	126,136 <i>t</i> 122,446 <i>t</i>	119,025 t 123,207 t	3.9 w -0.1 w	−0.5 w 2.9 w	15.6 w 3.6 w	−3.2 w −1.1 w	129 m 111 m	95 105
	indebted	138,113 t	140,829 t	9.7 w	2.8 w	5.9 w	-0.6 w	111 m	98
High-in	come economies	2,650,106 t	2,788,686 t	5.3 w	4.1 w	2.3 w	5.1 w	97 m	101
	D members	2,441,157 t	2,520,853 t	5.6 w	4.1 w	2.0 w	5.1 w	94 m	101
	land	24,240 11,891	20,754 16,753	11.7 10.0	7.1 6.7	4.7 3.5	3.7 5.1	97 105	92 104
	aei ew Zealand	9,269	8,494	3.4	3.6	-0.3	3.1	88	94
	ain	60,134	93,062	9.1	7.5	1.9	9.4	91	108
10 †Hc	ong Kong	29,738	100,255	9.7	4.4	7.8	11.3	97	101
	igapore	58,871	65,982	4.2	8.9	5.0	7.2	99	101
	nited Kingdom Istralia	185,095 37,724	209,982 39,460	4.4 3.8	2.6 4.6	0.3 1.8	4.4 5.0	103 111	104 107
4 Ita		169,365	178,240	6.0	3.4	0.7	4.2	84	101
	etherlands	133,527	125,838	3.3	4.4	1.1	3.5	101	100
6 Be	lgium ^c	118,222	121,038	5.6	4.6	2.9	3.3	94	95
	ıstria	41,082	50,697	6.2	6.2	4.0	5.3	87	89
	ance Inada	212,868 124,797	230,257 117,633	6.6 2.0	3.5 5.7	2.4 0.4	3.3 7.8	96 110	102 105
	nada nited States	397,705	506,242	6.5	4.0	4.3	7. 8 7.0	100	103
	ermany ^d	401,848	387,882	5.0	4.1	2.8	4.5	82	95
22 De	nmark	35,687	32,158	4.3	5.0	-0.4	4.0	93	104
	nland	23,081	21,708	5.3	2.6	0.1	4.0	85	99
	orway veden	34,037 55,042	25,523 49,760	7.9 2.5	7.4 3.8	0.7 -0.2	2.2 3.1	130 94	90 103
	pan	314,395	234,103	9.0	3.8	0.4	5.6	71	99
	pan vitzerland	314,393 61,468	66,285	4.9	3.9	2.6	3.6 3.4	86	96
World		3,336,550 t	3,508,214 t	5.0 w	4.1 w	3.1 w	4.3 w	106 m	100
	exporters	171,293 t	123,270 t	1.4 w	-0.1 w	14.9 w	-5.5 w	200 ///	85

a. See the technical notes. b. Data are for the South African Customs Union comprising South Africa, Namibia, Lesotho, Botswana, and Swaziland; trade among the component territories is excluded. c. Includes Luxembourg. d. Data refer to the Federal Republic of Germany before unification.

Table 15. Structure of merchandise imports

					Percer	uage share of					
		Fo	od	Fu	ris	Otl prin commo	nary	Mach and tra equip	nsport	Oth manufa	
		1970	1991	1970	1991	1970	1991	1970	1991	1970	199
Chi	ncome economies na and India er low-income	15 w 14 w 16 w	10 w 6 w 14 w	6 w 4 w 7 w	9 w 8 w 11 w	8 w 14 w 5 w	8 w 10 w 7 w	31 w 32 w 30 w	34 w 35 w 32 w	40 w 36 w 42 w	38 41 36
	Mozambique	· <u>·</u>	::		1.2		• ;	:.:		:.	
	Canzania Ethiopia	7 9	11 14	9 8	19 10	2 4	4 3	40 35	33 45	42 45	3 2
	Jganda	6	8	2	30	3	2	34	27	55	3
	Bhutan								<u> </u>		
	Guinea-Bissau	28	32	.7	.7	4	3	16	15	45	4
	Nepal Burundi	5 18	9 17	11 7	12 7	0 8	14 7	25 23	24 28	60 45	4
) (Chad	19	17	15	15	4	3	23	27	38	3
) N	Madagascar	12	13	7	24	3	3	30	32	48	2
	Sierra Leone	23	24	.7	28	.4	3	22	19	44	2
	Bangladesh .ao PDR	23	26	13	13	11	6	22	17	32	3
	Malawi	15	· ' 7	5	16	6	4	30	26	44	2
5 F	Rwanda										
	Mali	29	18	9	28	6	2	21	25	36	2
	Burkina Faso Niger	19 13	23 15	8 4	16 20	8 6	5 6	27 26	24 28	37 51	3
1	ndia	21	5	8	23	19	12	23	18	29	•
	Kenya	6	6	10	15	4	4	34	38	46	
	Nigeria	8	18	3	1	3	5	37	36	48	•
	China* Haiti	7 19	6 24	1 6	3 12	10 4	9 5	39 21	41 20	43 51	
	Senin	12	16	4	7	8	11	21	21	55	
	Central African Rep.	17	17	i	7	2	5	36	33	44	
. (Ghana	20	9	6	31	4	3	26	26	44	
	Pakistan	21	17	6	18	.7	8	31	28	35	:
	logo Suines	16	20	4	7	11	6	22	24	47	•
	Guinea Nicaragua	10	16	6	13	3	2	28	33	54	
	Sri Lanka	47	17	3	11	4	4	18	19	29	
	Mauritania	23	23	8	7	ż	i	38	40	29	:
	Yemen, Rep.	• •		• :	;;						
4 I 5 I	Honduras Lesotho ^a	11	13	7	16	2	3	29	25	51	
	Indonesia	11	5	2	9	4	9	35	45	47	
7 1	Egypt, Arab Rep.	21	29	9	3	14	10	27	24	29	
	Zimbabwe	5	5	24	24	6	6	29	29	37	
	Sudan Zambia	20 11	22 8	8 10	16 18	4 2	3 2	27 39	25 35	41 38	
	e-income economies	12 w	10 w	9 w	11 w	10 w	8 w	35 w	36 w	34 w	
Lov	ver-middle-income	14 w	10 w	9 w	10 w	9 w	7 w	33 w	38 w	34 w	
	Bolivia Côte d'Ivoire	20 15	14 18	1 5	1 21	3 3	3 3	37 33	43 23	40 44	
3 5	Senegal	28	26	5	20	5	5	25	21	38	
l I	Philippines	11	7	12	15	9	7	35	26	33	
	Papua New Guinea	23	17	10	9	2	2	30	38	36	
	Cameroon Guatemala	12 11	14 12	5 2	1 17	2 3	3 3	32 27	35 26	49 57	
	Dominican Rep.	17	17	14	26	5	4	27	21	38	
)	Ecuador	7	8	6	1	3	5	35	41	49	
	Morocco	20	11	5	15	11	14	32	28	32	
	Jordan Taiikistan	30	26	6	14	5	4	17	18	42	
	Tajikistan Peru	20	20	· 2	11	5	3	35	35	38	
1 1	El Salvador	13	16	2	13	5	6	23	24	56	
	Congo	19	18	2	3		2	33	35	44	
	Syrian Arab Rep.	15	17	10	18	7	7	33	26	36 37	
	Colombia Paraguay	7 13	7 8	1 15	6 12	9 7	8 5	46 32	33 36	37 33	
9 1	Uzbekistan										
	Jamaica	22	20	15	21	5	4	21	18	37	
	Romania										
	Namibia ^a Tunisia	27	15	5	9	9	11	26	24	32	
	Tunisia Kyrgyzstan										
	Thailand	4	5			. 8	8	36	39	43	
6 (Georgia										

					Percen		nerchandise in	-			_
						Otl prin		Mach and tra		Oth	
		Fo. 1970	od 1991	Fue 1970	1991	1970	odities 1991	equip 1970	ment	manufa 1970	ictures 1991
67: Az	zerbaijan	1970			1991	1970					1991
	ırkmenistan							• •			
	irkey	. 8	7	8	21	. 8	12	41	29	36	31
	oland ulgaria	14	7	18	22	11	8	27	34	24	28
	osta Rica	11	9	4	17	3	4	29	20	53	50
	lgeria	13	26	2	3	6	6	37	32	42	34
	anama	10	10	19	15	2	2	27	26	42	47
	rmenia hile	14	6	· .	15		4	43	38	30	38
	an, Islamic Rep.	7	13	0	0	8	5	41	44	45	38
	loldova										
79 U	kraine										
	lauritius	36 12	27 8	7 11	18 9	3 19	5 14	13 36	12 39	41 23	37 29
	zechoslovakia azakhstan	12									
	azakiistan Ialaysia	20	6	12	4		5	28	55	31	30
	er-middle-income	11 w	10 w	9 w	11 w	11 w	8 w	37 w	34 w	33 w	36
	otswana ^a										
85 Sc	outh Africa ^a	4	3	0	0	6	4	53	43	36	50
	ithuania	10	٠.					21	20	31	42
	ungary enezuela	10 10	5 12	9 1	15 2	19 5	8 9	31 45	30 44	31 38	42 33
	rgentina	6	4	5	9	16	11	31	33	42	44
90 U	ruguay	11	7	15	16	14	6	31	30	29	41
	razil	11	10	12	26	8	8	35	27	34	29
	lexico	7	14	3	3	9	8	50	41	31	33
	elarus ussian Federation		• •		··-	• •	• •			• •	_ · ·
	atvia										
96 Tı	rinidad and Tobago	11	15	53	15	2	6	13	26	22	38
	abon	14	17	1	1	1	2	39	40	44	39
	stonia	13	13	9	9	14	5	30	36	34	37
	ortugal Iman										
01 Pt	uerto Rico										
	orea, Rep.	17	6	7	16	21	13	30	34	25	31
	ireece audi Arabia	26	13		10 0	10 5	<u>6</u> 4	48 33	33	25 35	38 47
	audi Atabia ugoslavia	8	10	5	18	18	10	33	26	33 37	36
	nd middle-income	13 w	10 w	8 w	10 w	10 w	8 w	34 w	35 w	35 w	36
Sub-	Saharan Africa	14 w	16 w	7 w	12 w	4 w	4 w	32 w	31 w	44 w	37
	Asia & Pacific	13 w	6 w	7 w	9 w	10 w 13 w	10 w 10 w	33 w	39 w 20 w	37 w	36 40
	h Asia ope and Central Asia	24 w	11 w	7 w	19 w	13 ₩	10 #	24 w	20 W	31 w	40
	dle East & N. Africa	18 w	17 w	3 w	4 w	8 w	6 w	32 w	35 w	39 w	38
	n America & Caribbean	11 w	12 w	11 w	13 w	7 w	7 w	35 w	34 w	36 w	35
	ly indebted	13 w	13 w	9 w	11 w	9 w	7 w	34 w	35 w	34 w	34
	ncome economies	15 w	9 w	10 w	10 w	16 w	7 w	25 w	34 w 34 w	33 w	40 39
	CD members	15 w	9 w	10 w	10 w	17 w	7 w	25 w		33 w 43	44
	reland Grael	13 14	11 7	8 5	6 8	9 9	4 5	27 30	35 32	43 42	49
08 N	lew Zealand	6	8	7	8	11	4	34	37	43	44
	pain	14	11	13	11	18	7	26	37	28	34
	long Kong	19	6	3	2	10	5	16	27	52	60
	ingapore Inited Kingdom	15 23	6 10	13 10	14 6	13 21	4 6	23 17	44 36	35 29	32 41
	Australia	5	5	5	6	7	3	41	42	42	45
14 It	taly	19	13	14	10	21	10	20	32	26	36
	letherlands	14	13	11	9	11	5	25	31	39	42
	Belgium ^b Austria	13 9	10 5	9 8	8 6	19 13	7 7	26 31	26 39	33 39	48
	France	14	10	12	10	15	6	25	34	33	40
	Canada	9	6	•6	.5	6	4	49	51	31	34
	United States	16	6	8	11	13	5	28	41	36	37
	Germany ^e Denmark	18 10	10 12	9 10	8 5	18 9	7 5	19 28	35 31	36 42	41
	inland	9	6	11	13	9	7	33	34	37	39
24 N	lorway	8	6	8	4	13	7	35	38	36	44
	weden	10	7	11	9	11	5	30	37	39	42
	apan witzerland	17 12	15 6	21 5	23 5	37 10	15 5	11 27	16 32	14 46	30 52
World		15 w	9 w	10 w	10 w	15 w	7 w	27 w	35 w	34 w	39
		13 w	15 w	5 w	2 w	5 w	5 w	36 w	40 w	41 w	39

a. Data are for the South African Customs Union comprising South Africa, Namibia, Lesotho, Botswana, and Swaziland; trade among the component territories is excluded. b. Includes Luxembourg. c. Data refer to the Federal Republic of Germnay before unification.

Table 16. Structure of merchandise exports

		Fue	Is	Oth		Mach	erchandise expo vinero				
		rue mines and m	als,	Oth prim commo	ary	and tra		Oti manufo			les and hing ^a
		1970	1991	1970	1991	1970	1991	1970	1991	1970	199
	- income economies	28 w	23 w	44 w	20 w	3 w	10 w	24 w	46 w	13 w	23
	hina and India ther low-income	12 w 36 w	9 w 42 w	27 w 52 w	16 w 26 w	10 w 0 w	17 w 2 w	51 w 12 w	58 w 31 w	27 w 7 w	28 17
1	Mozambique										
2	Tanzania	7	5	80 97	84 94	0	1	13	10	2	3
3	Ethiopia Uganda	2 9	3 4	97 90	94 95	0	0 0	2 0	3 0	0 0	1
5	Bhutan										
6	Guinea-Bissau	0	0	98	97	1		.1	0	0	1:
7 8	Nepal Burundi	0 1	0 1	65 97	11 97	0	· ·	35 2	88 2	25 0	76 0
9	Chad	0	3	95	93	1	1	4	3	0	1
10	Madagascar	9	8	84	85	2	2	5	6	1	3
11	Sierra Leone	15	34	22	33	• :		63	32	0	
12 13	Bangladesh Lao PDR	1	1	35	29	1	0	64	70	49	62
14	Malawi	0	0	96	96	Ö	0	3	4	i	3
15	Rwanda										
16	Mali	1	0	89	93	0	0	10	7	8	6
17 18	Burkina Faso Niger	0 0	0 86	95 96	88 12	I I	4 0	3 2	8 1	0 0	2
19	India	13	8	35	19	5	7	47	66	25	25
20	Kenya	12	16	75	64	0	5	12	15	1	2
21	Nigeria China*	62	96 9	36 19	3 15	15	0 19	1 55	1 57	0 29	0
22 23	China* Haiti	11 17	12	57	46	15	5	26	37 37	4	28 8
24	Benin	0	3	89	67	3	3	8	28	6	1
25	Central African Rep.	0	1	55	55	1	0	44	43	ı	0
26	Ghana	13	15	86	84 26	0	0	1 57	1	0	0
27 28	Pakistan Togo	2 25	1 49	41 69	42	0 2	0 1	57 4	72 9	47 1	60 2
29	Guinea										
30	Nicaragua	3	2	81	86	0	0	16	12	3	1
31 32	Sri Lanka	1 88	1 86	98 11	34 9	0	2	1	62	0	43
32 33	Mauritania Yemen, Rep.	00	80	11		0	4	0	1	0	0
34	Honduras	9	5	82	89	0	0	8	6	2	1
35	Lesotho							• •			
36 37	Indonesia Egypt, Arab Rep.	44 5	43 40	54 68	16 20	0 1	2 1	1 26	39 40	0 19	14 27
38	Zimbabwe	18	17	47	51	2	4	33	28	4	6
39	Sudan	1	3	99	96	0	0	0	1	0	0
40	Zambia	99	98	1	1	0	0	0	1	0	0
	dle-income economies ower-middle-income	40 w 31 w	34 w 29 w	41 w	27 w	14 w	17 w	16 w	29 w	3 w	9
41	Bolivia	93	74	4	21		0	3	4	0	1
42	Côte d'Ivoire	2	11	92	79	1	2	5	9	1	2
43 44	Senegal Philippines	12 23	22 9	69 70	56 20	4 0	3 14	15 8	20 57	6 1	2 9
45	Papua New Guinea	42	62	55	35	ő	2	3	í	ó	ó
46	Cameroon										
47	Guatemala	0	2	72	70 70	2	1	26	26	8	5
18 19	Dominican Rep. Ecuador	4 1	1 43	77 97	79 55	0 0	3 0	20 2	17 2	0 1	0
5Ó	Morocco	33	20	57	29	ŏ	3	9	48	4	20
51	Jordan	24	38	59	16	3	1	13	44	3	4
52	Tajikistan		; ;					• ;	17		
53 54	Peru El Salvador	49 2	52 3	49 70	30 56	0 3	2 3	1 26	17 37	0 11	9 15
55	Congo	ī	92	70	5	ĭ	Ö	28	3	Ö	0
56	Syrian Arab Rep.	62	62	29	15	3	1	7	23	4	15
57 58	Colombia	11 0	29 0	81 91	38 89	i	3	7	31 11	2	11
58 59	Paraguay Uzbekistan						0	9		0	
60	Jamaica	25	17	22	27	0	i	53	56	2	14
51	Romania							٠.			
62 63	Namibia ^b Tunisia	46	21	35	i i	0	· '	 19	61	· ;	33
64	Kyrgyzstan										
65	Thailand	15	2	77	32	0	22	8	45	1	17
66	Georgia					· · ·					
			2	22	6						

		Fu	els,	Oti		ntage share of m Mac	hinery				
		mine	rals.	prin	ury	and tr	ansport		her	Textil	
			netals	comm			oment		actures		hing a
7 Az	erbaijan	1970	1991	1970	1991	1970	1991	1970	1991	1970	199
8 Tu	rkmenistan		::								
	rkey	8	7	83	26	0	6	9	61	5	36
	land Igaria	20	20	9	16	36	26	25	38	6	
	sta Rica	0	2	80	72	3	3	17	23	4	- 5
3 Al	geria	73	97	20	0	2	1	5	2	1	(
	nama menia	21	2	75	77 	2	1	2	21	0	7
6 Ch		88	50	· ' 7	35	i	i	4	14	Ö	
	n, Islamic Rep.	90	90	6	7	0	0	4	4	3	:
	oldova kraine										٠
	auritius	0	0	98	70	0	Ö	2	30	1	2
	echoslovakia	7	4	6	6	50	54	37	36	7	
	zakhstan		:	::	::		: :	٠;	::	• :	
	alaysia	30	17	63	22	2	38	6	23	1	
	r-middle-income otswana ^b	• •			••	• •	• •		• •	• •	•
	uth Africa ^b					• •	• •	• •		• •	
6 Lit	thuania										
	ingary	7	8	26	28	32	22	35 1	42	8	
	nezuela gentina	97 1	86 8	<u>2</u> 85	<u>2</u> 64	0 4	7	10	21	0	
	uguay	1	l	79	59	i	ź	20	38	14	1
1 Br	azil	11	16	75	28	4	18	11	38	1	
	exico Iarus	19	41	49	14	11	24	22	20	3	
	issian Federation			• •	• •					• •	
	tvia									• •	
	inidad and Tobago	78	65	9	6	1	1	12	28	1	
	ibon tonia	56	89	35	7	1	0	8	4	0	
	ortugal	5	5	31	13	8	19	56	63	25	
	nan										
	erto Rico	· <u>:</u>		12	• :	· <u>·</u>			::	::	:
	orea, Rep. reece	7 14	3 15	17 51	4 33	7 1	38 4	69 33	55 48	36 7	2
	udi Arabia	100	99	0	0	0	i	0	0	0	
	goslavia	15	9	26	12	23	29	37	50	10	
	nd middle-income	.37 w	32 w	39 w	20 w	10 w	16 w	19 w	35 w	7 w	1
	Saharan Africa Asia & Pacific	41 w 22 w	58 w 12 w	51 w 46 w	34 w 16 w	0 w 6 w	1 w 25 w	7 w 27 w	7 w 47 w	1 w 13 w	1
South		9 w	5 w	44 w	23 w	3 w	5 w	45 w	67 w	28 w	3
	pe and Central Asia	-:	::	1.:	• :	• :	•:	· <u>·</u>	::	• :	
	lle East & N. Africa America & Caribbean	73 w 40 w	81 w 34 w	20 w 51 w	9 w 32 w	4 w 2 w	1 w 12 w	7 w 9 w	10 w 24 w	3 w 1 w	
	y indebted	21 w	34 w	56 w	30 w	11 w	13 w	15 w	25 w	3 w	
	come economies	11 w	8 w	16 w	11 w	35 w	42 w	38 w	39 w	6 w	
	D members	9 w	7 w	16 w	11 w	36 w	43 w	38 w	39 w	6 w	
	eland	8	2	52	24	7	30	34	44	10	
7 †Isr 8 Ne	ael ew Zealand	4	2 8	26 88	10 65	5 2	24 5	66 9	64 22	12 1	
	pain	10	7	37	17	20	41	34	35	6	
	ong Kong	i	2	3	3	12	24	84	72	44	4
	ngapore	25	18	45	8	11	48	20	26	5	
2 U1 3 Au	nited Kingdom ustralia	8 28	10 35	9 53	8 28	41 6	41 7	42 13	41 29	6 1	
4 Ita		7	3	10	8	37	38	46	52	13	
	etherlands	14	12	29	25	20	22	37	41	8	
	elgium ^e ustria	13 6	8 4	11 14	12 7	21 24	27 38	55 56	54 51	10 11	
	ance	6	5	19	17	33	39	42	39	8	
Ca	anada	26	19	22	17	32	38	19	26	1	
	nited States	9	6	21	14	42	48	28	32	2	
	ermany ^d enma rk	6 4	4 5	5 42	6 31	47 27	49 25	43 27	41 39	6 6	
3 Fi	nland	4	7	29	11	16	28	50	55	6	
4 No	orway	25	58	20	9	23	15	32	18	2	
	veden_	8	6	18	9	40	43	35	42	3	
	pan vitzerland	2 3	1 3	5 8	1 4	41 32	66 32	53 58	31 62	11 8	
		,		U	-		- -	70		U	

a. See the technical notes. b. Data are for the South African Customs Union comprising South Africa, Namibia, Lesotho, Botswana, and Swaziland; trade among the component territories is excluded. c. Includes Luxembourg. d. Data refer to the Federal Republic of Germany before unification.

Table 17. OECD imports of manufactured goods: origin and composition

me economies and India ow-income tambique tania opia nda tan nea-Bissau al landi d lagascar ra Leone gladesh PDR awi unda i kina Faso er a		res, by origin s of dollars) 1991 73,602 t 55,576 t 18,026 t 10 48 59 2 1 0 240 2 2 49 135 1,372 26 18 2	Textiles and clothing 40 w 37 w 51 w 60 56 12 0 0 0 93 50 0 69	Chemicals 4 w 5 w 3 w 0 4 9 0 0 0 0 0 0 0 0 0 0	Electrical machinery and electronics 7 w 9 w 2 w 0 0 2 50 0 0 0 0 0	Transport equipment 2 w 1 w 4 w 0 2 5 0 0 0	0thers 46 w 48 w 41 w 40 38 73 50 100 0 6 50
and India ow-income ambique tania opia nda tan nea-Bissau al ndi d lagascar ra Leone gladesh PDR awi unda i kina Faso er a	777 t 489 t 7 9 4 1 0 0 1 0 7 2 0 0 1 0 2 0	55,576 t 18,026 t 10 48 59 2 1 0 240 2 2 49 135 1,372 26 18	37 w 51 w 60 56 12 0 0 0 93 50 0 69	5 w 3 w 0 4 9 0 0 0 0 0 0 0 0 0 0 8 8	9 w 2 w 0 0 2 50 0	1 w 4 w 0 2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	48 m 41 m 40 38 73 50 100
ambique tania opia nda tan nea-Bissau al undi d lagascar ra Leone gladesh PDR awi unda i tina Faso er a	489 t 7 9 4 1 0 0 1 0 7 2 0 0 1 0 2 0	18,026 t 10 48 59 2 1 0 240 2 2 49 135 1,372 26 18	51 w 60 56 12 0 0 0 93 50 0 69	3 w 0 4 9 0 0 0	2 w 0 0 2 50 0 0 0 0 0 0 0 0 0 0 0	4 w 0 2 5 0 0 0 0 0 0 0	41 w 40 38 73 50 100 0 6 50
cambique tania opia nda tan nea-Bissau al al al al al al agascar ra Leone gladesh PDR awi anda i kina Faso er	7 9 4 1 0 0 1 0 0 7 2 0 0 1 0 0 2 0	10 48 59 2 1 0 240 2 2 2 49 135 1,372 26 18	60 56 12 0 0 0 0 93 50 0 69	0 4 9 0 0 0 0	0 0 2 50 0	0 2 5 0 0	40 38 73 50 100 0 6 50
rania opia nda tan nea-Bissau al undi d lagascar ra Leone gladesh PDR awi unda i kina Faso er a	9 4 1 0 0 0 1 0 0 7 2 0 0 1 0 0 2 0 0	48 59 2 1 0 240 2 2 2 49 135 1,372 26 18	56 12 0 0 0 93 50 0 69	4 9 0 0 0 0 0 0 0 8	0 2 50 0 0 0	2 5 0 0 0 0	38 73 50 100 0 6 50
opia nda tan nea-Bissau al undi d lagascar ra Leone gladesh PDR awi unda i kina Faso er	4 1 0 0 0 1 0 0 7 2 0 0 0 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0	59 2 1 0 240 2 2 2 49 135 1,372 26 18	12 0 0 0 93 50 0 69	9 0 0 0 0 0 0 0 8	2 50 0 0 0 0	5 0 0 0 0 0	73 50 100 0 6 50
nda tan nea-Bissau al al al andi d lagascar ra Leone gladesh PDR awi awi anda i kina Faso er a	1 0 0 1 0 0 7 2 0 0 0 1 0 0 2 7	2 1 0 240 2 2 2 49 135 1,372 26 18	0 0 93 50 0 69	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	50 100 0 6 50
tan nea-Bissau al undi d dagascar ra Leone gladesh PDR awi unda i titina Faso er a	0 0 1 0 0 7 2 0 0 0 1 1 0	1 0 240 2 2 2 49 135 1,372 26 18	0 93 50 0 69	0 0 0 0 0 8	0 0 0 0	0 0 0 0	0 6 50
nea-Bissau al undi d lagascar ra Leone gladesh PDR awi unda i i i i i i i a a	1 0 0 7 2 0 0 1 0	240 2 2 49 135 1,372 26 18	93 50 0 69	0 0 0 8	0 0 0	0 0 0	6 50
al Indi d d lagascar ra Leone gladesh PDR awi Inda i kina Faso er	1 0 0 7 2 0 0 1 0	240 2 2 49 135 1,372 26 18	93 50 0 69	0 0 0 8	0 0 0	0 0 0	6 50
indi d lagascar ra Leone gladesh PDR awi inda i kina Faso er	0 0 7 2 0 0 1 0	2 2 49 135 1,372 26 18	50 0 69 1 93	0 0 8	0 0	0 0	50
d lagascar ra Leone gladesh PDR awi unda i kina Faso er a	7 2 0 0 1 0	135 1,372 26 18	1 93	8			
ra Leone gladesh PDR awi unda i kina Faso er a	2 0 0 1 0	135 1,372 26 18	1 93		0		100
gladesh PDR awi Inda i kina Faso er a	0 0 1 0 2 0	1,372 26 18	93	0		2	20
PDR awi unda i kina Faso er a	0 1 0 2 0	26 18			1	0	99
awi Inda i kina Faso er a	1 0 2 0	18	ur)	0	0	0	7
inda i kina Faso er a	2 0			0	0 0	0 0	8 33
i kina Faso er a	2 0	•	67 0	0 0	Ö	50	50
kina Faso er a	0						
er a		51 3	0	0 0	20 0	0 0	80 100
a	(1	175	0	96	Ö	2	2
	534	9,428	45	6	ĭ	Ĭ	47
	16	108	15	5	3	6	72
eria	13	238	6	16	2	2	74
na.	243	46,148	35	5	11	1	48
ti	17	301	60	1	10	0	29
in	0	4	50	0	0	25	25
tral African Rep.	12	80	0	0	0	0	100
na	8	98	0	1	1	0	98
istan	207	3,234	85	0	0	0 0	15
o nea	0 38	9 147	11 0	0 34	0 1	0	89 65
aragua	6	177	14	14	14	ő	57
_	9	1 246	73	1	2	0	24
Lanka Iritania	0	1,346 4	25	0	25	Ö	50
nen, Rep.	ő	Õ	0	ŏ	0	Ö	0
nduras otho	3	261	82	1	0	0	17
otho ^b							
onesia	15	7,302	36	2	3	1	58
pt, Arab Rep.	33	793	61	5	1	15	18
babwe	ó	261	22 0	0	2 0	1 14	74 86
an ıbia	1 4	7 40	23	0 0	0	5	73
				-, -, -, -, -, -, -, -, -, -, -, -, -, -	· · · · · · · · · · · · · · · · · · ·		
ncome economies -middle-income	5,016 t 1,778 t	185,948 <i>t</i> 66,559 <i>t</i>	25 w 33 w	7 w 6 w	18 w 18 w	7 w 3 w	44) 41)
ivia	1	54	20	6	0	0	74
e d'Ivoire	ż	239	21	ž	i	2	75
egal	4	34	3	12	15	3	68
ippines							33 91
ua New Guinea	4	-					
neroon	4						72
temala							9
							38 69
rocco	32	2,364	69	12	8	ĭ	10
_						27	36
		01					
u u	12	453	58	. ,	2	1	33
Salvador	2	184	65	I -	22	0	13
ngo	4	205	0	0	0	0	100
ian Arab Rep.	2	53	68	0	2	8	23
	52	1,070	33	6	0	0	61
	5	82	9				65
aguay	117	700	36	58	. <u>.</u>	 0	4
aguay Sekistan		_					
aguay oekistan naica	188	1,648			4	3	56
aguay sekistan naica nania	10	2 135	70	· ;	·	. ;	12
aguay oekistan naica nania nibia ^a	19	2,133	/U				12
aguay xekistan naica mania nibia ^a iisia	-						59
e i u na man laku se ia	gal ppines a New Guinea eroon eroon ermala iinican Rep. idor occo an aistan alvador go an Arab Rep. imbia guay ekistan aica ania	gal 4 ppines 108 a New Guinea 4 eroon 4 eroon 3 inican Rep. 10 dor 3 coco 32 an 1 distan 12 alvador 2 go 4 an Arab Rep. 2 mbia 52 guay 5 ekistan 17 aania 188 iibia ^a sia 19 gyzstan	gal 4 34 ppines 108 5,637 a New Guinea 4 35 eroon 4 47 emala 5 426 inican Rep. 10 1,807 dor 3 83 except 32 2,364 an 1 67 distan 12 453 alvador 2 184 go 4 205 an Arab Rep. 2 53 mbia 52 1,070 guay 5 82 ekistan 17 799 aania 188 1,648 ibia 19 2,135 gyzstan 19 2,135 gyzstan	gal 4 34 3 ppines 108 5,637 33 ta New Guinea 4 35 6 eroon 4 47 21 eroon 4 47 21 emala 5 426 89 inican Rep. 10 1,807 55 idor 3 83 17 occo 32 2,364 69 an 1 67 5 cistan 12 453 58 alvador 2 184 65 go 4 205 0 an Arab Rep. 2 53 68 mbia 52 1,070 33 guay 5 82 9 ekistan aica 117 799 38 aania 188 1,648 32 <t< td=""><td>gal 4 34 3 12 ppines 108 5,637 33 2 a New Guinea 4 35 6 0 eroon 4 47 21 2 eroal 5 426 89 2 inican Rep. 10 1,807 55 1 idor 3 83 17 4 occo 32 2,364 69 12 an 1 67 5 27 cistan 12 453 58 7 alvador 2 184 65 1 go 4 205 0 0 an Arab Rep. 2 53 68 0 mbia 52 1,070 33 6 guay 5 82 9 27 ekistan aica 117 799 38 58 aania 188 1,648 32 6 aibia 19 2,135 70 7 syzstan <</td><td>gal 4 34 3 12 15 ppines 108 5,637 33 2 31 a New Guinea 4 35 6 0 0 eroon 4 47 21 2 2 emala 5 426 89 2 0 inican Rep. 10 1,807 55 1 7 idor 3 83 17 4 5 occo 32 2,364 69 12 8 an 1 67 5 27 6 cistan 12 453 58 7 2 alvador 2 184 65 1 22 go 4 205 0 0 0 an Arab Rep. 2 53 68 0 2 mbia 52 1,070 33 6 0 guay 5 82 9 27 0 ekistan aica 117 799 38 58 0 ania</td><td>gal 4 34 3 12 15 3 ppines 108 5,637 33 2 31 1 aa New Guinea 4 35 6 0 0 3 eroon 4 47 21 2 2 2 eroon 5 426 89 2 0 0 0 ceroal 5 426 89 2 0 2 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 1 1 2</td></t<>	gal 4 34 3 12 ppines 108 5,637 33 2 a New Guinea 4 35 6 0 eroon 4 47 21 2 eroal 5 426 89 2 inican Rep. 10 1,807 55 1 idor 3 83 17 4 occo 32 2,364 69 12 an 1 67 5 27 cistan 12 453 58 7 alvador 2 184 65 1 go 4 205 0 0 an Arab Rep. 2 53 68 0 mbia 52 1,070 33 6 guay 5 82 9 27 ekistan aica 117 799 38 58 aania 188 1,648 32 6 aibia 19 2,135 70 7 syzstan <	gal 4 34 3 12 15 ppines 108 5,637 33 2 31 a New Guinea 4 35 6 0 0 eroon 4 47 21 2 2 emala 5 426 89 2 0 inican Rep. 10 1,807 55 1 7 idor 3 83 17 4 5 occo 32 2,364 69 12 8 an 1 67 5 27 6 cistan 12 453 58 7 2 alvador 2 184 65 1 22 go 4 205 0 0 0 an Arab Rep. 2 53 68 0 2 mbia 52 1,070 33 6 0 guay 5 82 9 27 0 ekistan aica 117 799 38 58 0 ania	gal 4 34 3 12 15 3 ppines 108 5,637 33 2 31 1 aa New Guinea 4 35 6 0 0 3 eroon 4 47 21 2 2 2 eroon 5 426 89 2 0 0 0 ceroal 5 426 89 2 0 2 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 1 1 2

Note: For data comparability and coverage, see the technical notes. Figures in italics are for years other than those specified

			tures, by origin ns of dollars)			Electrical		
		1970	1991	Textiles and clothing	Chemicals	machinery and electronics	Transport equipment	Others
	Azerbaijan							
	Turkmenistan Turkey	47	6,770	; 7i	· .	 6	· · ·	18
	Poland	287	5,515	23	16	7	4	51
	Bulgaria	68	553	29	18	6	i	47
2	Costa Rica	5	700	69	2	9	0	19
3	Algeria Panama ^b	39	1,686	0	4	0	0	96
	Panama* Armenia	18	462	15	4	1	46	36
	Chile	15	697	9	26	Ö	2	63
	Iran, Islamic Rep.	133	676	92	1	0	0	7
	Moldova		• •					
	Ukraine Mauritius	·i	750	86	·i	Ċ	· .	13
	Czechoslovakia	467	4,930	16	14	5	š.	56
	Kazakhstan Malaysia	39	12,857	 14	3	48	· <u>·</u> ·	34
	per-middle-income	3,238 t	119,389 t	21 w	7 w	17 w	10 w	45
	Botswana ^a							
85	South Africa ^a	325	2,989	7	14	2	3	75
	Lithuania Hungary	210	4,128	23	i. 16	12	·	45
	Venezuela	24	724	23 4	16	2	3 8	70
	Argentina	104	1,375	8	23	2	4	64
90	Uruguay	. 23	300	51	3	0	1	45
	Brazil Mexico	197 508	10,295 26,519	8 5	10 4	5 32	9 21	68
	Belarus	308				32		38
	Russian Federation						• • • • • • • • • • • • • • • • • • • •	• • •
95	Latvia							
	Trinidad and Tobago	39	334	1	68 46	1	0	31
	Gabon Estonia	8	66	0	46 	2	15	38
	Portugal	396	13,171	39	5	10	8	39
00	Oman	0	188	28	ĭ	13	23	35
	Puerto Rico	524	41 001	22	• ;	20	• ;	47
	Korea, Rep. Greece	185	41,091 4,006	23 60	3 5	20 3	7 1	47 31
)4	Saudi Arabia Yugoslavia	16 443	1,749 8,791	0 29	47 7	8 9	6	39 43
	and middle-income	6,282 t	259,562 t	29 w	6 w	15 w	6 w	43
	b-Saharan Africa	193 t	4,223 t	29 W 21 W	8 w	15 W	11 w	58
Eas	st Asia & Pacific	1,087 t	128,170 t	28 w	3 w	19 w	3 w	47
	uth Asia rope and Central Asia	760 t	15,695 t	61 w 37 w	4 w	1 w 9 w	1 w	34
	ddle East & N. Africa	2,316 t 306 t	50,571 t 10,385 t	3/ W 42 W	8 w 17 w	9 W 6 W	6 w 4 w	40 32
	tin America & Caribbean	1,295 t	47,529 t	13 w	8 w	20 w	14 w	45
Sever	ely indebted	1,420 t	50,899 t	12 w	9 w	19 w	14 w	47
	-income economies	120,492 t	1,578,136 t	6 w	13 w	12 w	19 w	50
	CCD members	117,366 t	1,472,714 t	5 w	13 w	11 w	20 w	50
	Ireland Israel	439 308	15,906 7,878	7 10	29 14	11 10	2 4	51 62
28	New Zealand	121	1,967	9	23	7 -	4	57
	Spain Hong Your	773	33,133	4	9	8	36	43
	Hong Kong	1,861	24,794	43	6	29	1	43
	Singapore United Kingdom	10,457	20,668 108,160	5 5	6 17	29 10	2 14	58 53
13	Australia	471	6,676	4	32	5	11	49
	Italy Natherlands	7,726	113,636	16	8	8	11	57
	Netherlands Belgium ^c	5,678 7,660	74,299 80,272		27	9 6	10	47
	Austria	1,637	80,272 29,461	9	20 9	13	22 7	62
8	France	9,240	137,947	6	16	9	26	44
	Canada United States	8,088	73,986	1 2	8	8	39	43
	United States	21,215	213,854	5	12 15	13	22	51
	Germany Denmark	23,641 1,413	266,516 18,766		15 14	11 10	20 5	50 63
:3	Finland	1,170	16,343	8 3 2	8	9	5 7	73
	Norway	1,059	9,007	2	21	8	11	59
	Sweden	4,143	39,320	2	11	9	19	60
	Japan Switzerland	8,851 3,568	184,917 48,409	1 5	4 22	20 10	31 3	45 60
27								

Note: Data cover high-income OECD countries only. a. Data are for the South African Customs Union comprising South Africa, Namibia, Lesotho, Botswana, and Swaziland; trade among the component territories is excluded. b. Excludes the Canal Zone. c. Includes Luxembourg.

Table 18. Balance of payments and reserves

				ount balance of dollars)		Net work remittar			ross international	
		After offic	ial transfers	Before officia	ıl transfers	remittat (millions of		Millions	of dollars	Months of import coverage
		1970	1991	1970	1991	1970	1991	1970	1991	1991
Chi	ncome econòmi es na and India er low-income	u.	·					3,907 t 1,023 t 2,884 t	86,647 <i>t</i> 55,781 <i>t</i> 30,866 <i>t</i>	5.1 w 7.9 w 3.1 w
	Mozambique Tanzania	-36	-245 -284 ^a	-37	-783 -832 ^a		-30 ^a	65	240 204	2.3 1.4
	Ethiopia	-30 -32	-20 4 -222 ^a	-37 -43	-832 -585 ^a		201	72	106	1.0
	Jganda	20	-182 ^a	19	-393 ^a	-5	٠.	57	59	1.0
	Shutan	• •	17ª		-36ª		0		99	9.3
	Guinea-Bissau Nepal	- i a	-19 -320a	-25 ^a	-86 -380 ^a		-2 0 ^a	94	451	5.9
8 B	Burundi	2 ^a	-31 ^a	-2 ^a	-214 ^a			15	147	5.0
	Chad Madagascar	2 10	-80 -192	-33 -42	−347 −318	-6 -26	-39 1	2 37	124 89	2.6 1.2
	Sierra Leone	-16	-95	-20	-136		•	39	10	0.2
12 B	Bangladesh	-114^a	-210^{a}	-234^a	-932a	0 ^a	764ª		1,308	4.0
	.ao PDR Malawi	-35	-52 -184 ^a	-46	-121 -244 ^a	 -4		6 29	<i>61</i> 158	3.3 2.5
	Rwanda	-33 -7	-34	-46 -12	-2 44 -194	-4	11	8	110	3.7
	Mali	-2	-37	-22	-344	-1	76	1	326	4.5
	Burkina Faso	9	-90	-21	-426	16	79	36	350	4.8
	Niger ndia	-385 ^a	-4 -3,026 ^a	-32 -591 ^a	-164 -3,477 ^a	-3 80	-38 2,540 ^a	19 1,023	207 7,616	5.3 3.3
	Kenya	-49	-231	-86	-435		-2	220	145	0.6
	Nigeria	-368	1,203	-412	470		12	223	4,678	4.4
	China* Haiti	-81 ^a i i	13,272 -11	-81ª 4	12,885 -176	13	189 86	4	48,165 24	10.1 0.6
	Benin	-3	-89	-23	-17 4	0	70	16	196	3.6
25 C	Central African Rep.	-12	-80a	-24	-219 ^a	-4	-36	1	107	4.4
	Ghana	-68	-220a	-76	-442a	_9 26	0	43	644	4.4
	Pakistan Fogo	-667 3	-1,558 -83	-705 -14	-2,171 -170	86 -3	1,848 5	195 35	1,220 369	1.2 5.0
29 C	Guinea		-236 ^a		-329^{a}		0			
	Vicaragua	-40	-5	-43	-849	• •	10	49	••	•••
	Sri Lanka Mauritania	-59 -5	-268 -125	−71 −13	-472 -209	3 -6	442 0	43 3	724 72	2.5 1.2
	Yemen, Rep.	-3	-123 22 ^a	-13	-209 -106 ^a	-0	800a			1.2
	Ionduras	-64	-220	-68	-368	203	0	20	112	1.0
	esotho	18ª	63	-1ª	-443	29ª	0		115	1.3
	ndonesia Egypt, Arab Rep.	-310 -148	-4,080 2,404 ^a	-376 -452	-4,212 -2,438 ^a	29	130 3,755 ^a	160 165	10,358 6,185	3.3 4.4
38 2	Zimbabwe	-14 ^a ·	-552 ^a	-26 ^a	-693 ^a		0	59	295	1.4
	Sudan Zambia	-42 108	-1,652 ^a	-43 107	-1,857 ^a -487 ^a	-48	62 ^a 0	22 515	8 186	0.0 1.4
	e-income economies	100		107	-407	40	U	23,267 t	241,422 t	3.6 w
Low	ver-middle-income	*			-			13,049 1	103,643 t	3.6 w
	Bolivia Côte d'Ivoire	4 -38	-262 -1,451	2 -73	-422 -1,614	- 56	−i −49i	46 119	422 29	3.7 0.1
	Senegal	-16	-133	-66	-503	-16	32	22	23	0.1
	Philippines Papua New Guinea	-48 -89 ^a	-1,034 -838 ^a	-138 -239 ^a	$-1,388$ $-1,053^a$		329 57 ^a	255	4,436 345	3.3 1.6
	Cameroon	-30	-658 ^a	- <u>47</u>	-658 ^a	-11	3 ^a	81	43	0.2
47	Guatemala	-8	-1 84	-8	-186	-11	123	79	881	4.8
	Dominican Rep.	-102	-58	-103	-115	25	330	32	448	2.2
	Ecuador Morocco	-113 -124	-467 -396	-122 -161	-577 -676	27	0 1,973	76 142	1,081 3, 34 9	3.2 4.5
_	lordan	-20	-712 ^a	-130	-876 ^a		450a	258	1,105	3.4
52	Tajikistan									
	Peru El Salvador	202 9	-1,478 -168	146 7	-1,794 -369		468	339 64	3,090 453	6.1 3.1
	Congo	-45 ^a	-169	-53 ^a	-231	-3^a	-53a	9	759	0.1
	Syrian Arab Rep.	-69	1,827	-72	1,747	7	375	57		
	Colombia Paraguay	-293 -16	2,349 -476 ^a	-333. -19	2,363 -476 ^a	6	866 0	207 18	6,335 974	8.6 5.2
	Uzbekistan	-10	-470	-19	-470	• •				
	Jamaica	-153	-198	-149	-303	29	144	139	106	0.5
	Romania	-23	-1,184	-23	-1,306				1,219	2.4
	Namibia Tunisia	-53	82ª -191	-88	-257 ^a -322	20	562	60	866	1.6
64 I	Kyrgyzstan									
65	Thailand	-250	-7,564	-296	-7,609		0	911	18,393	4.8
66 (Georgia				• •				• •	
*]	Data for Taiwan, China, are:	1	12,015	2	12,036			627	74,548	11.2

				ount balance		Net wor	kers'	<i>G</i>	ross international r	reserves
		46ar off.	cial transfers	of dollars) Before officia	al transfers	remitta (millions of		Millione	of dollars	Months of
		1970	1991	1970	1991	1970	1991	1970	1991	import coverag
67	Azerbaijan									
68	Turkmenistan									
69	Turkey	-44	272	-57	-1,973	273	2,819	440	6,616	2.9
70	Poland		-1,282		-2,191		0		3,800	2.1
71	Bulgaria		-718ª		-718ª		• • •	1	021	4.5
72 73	Costa Rica Algeria	−74 −125	-82 2,555°	-77 -163	-165 2,555 ^a	178	0 274	16 352	931 3,460	4.5 3.5
74	Panama	-64	135	-79	-105			16	499	0.9
75	Armenia									
76	Chile	-91	142	-95	-158		0	392	7,700	7.8
77	Iran, Islamic Rep.	-507	-7,806 ^a	-511	$-7,806^{a}$			217		
78	Moldova									
79 80	Ukraine Mauritius	8	-37	· .	-39			46	915	5.5
81	Czechoslovakia	146	-37 947 ^a	156	961ª		Ö		4,176	3.8
82	Kazakhstan		747		,,,,				4,1.0	
83	Malaysia	8	-4,530	2	-4,617		0	667	11,717	3.2
	pper-middle-income		.,					10,219 t	137,779 t	3.6 w
84	Botswana	-30	47	-35	-251	-9	0	10,2171	3,772	17.6
84 85	South Africa	-30 -1,215	2,664	-35 -1,253	2,696			1,057	3,187	17.6
86	Lithuania	=1,213	-,007	-1,233	_,_,					
87	Hungary		403a		370°				4,028	3.7
88	Venezuela	-104	1,663		1,696	-87	-661	1,047	14,719	10.8
89	Argentina	-163	-2,832	-160	-2,832			682	8,073	5.5
90	Uruguay	-45	105	-55	65		• •	186	1,146	5.9
91	Brazil	-837	-3,071 ^a	-861	-3.071 ^a		1 963	1,190	8,749	2.7
92 93	Mexico Belarus	-1,068	-13,282	-1,098	-13,468	• •	1,853	756	18,052	3.7
94	Russian Federation				<u> </u>			• •		<u> </u>
95	Latvia							• • •	٠.	• •
96	Trinidad and Tobago	-109	-17	-104	-20	3	5	43	358	1.9
97	Gabon	-3	-160	-15	-185	-8	-125	15	332	1.6
98	Estonia									
99	Portugal	-158ª	-716	-158^{a}	-2,098	504ª	4,517	1,565	26,239	10.5
00	Oman		1,095		1,153		-845	13	1,765	5.5
01	Puerto Rico	433	0.734	704	-8,553			610	13,815	1.8
02	Korea, Rep. Greece	-623 -422	-8,726 -1,521	-706 -424	-8,333 -5,555	333	2,115	318	6,400	3.5
104	Saudi Arabia	71	-25,738	152	-19,250	-183	-13,746	670	13,298	2.4
05	Yugoslavia	-372	-1,161	-378	-1,159	441	2,024	143	3,360	2.0
	- and middle-income				· · · · · · · · · · · · · · · · · ·			27,175 t	328,069 t	4.0 H
	ab-Saharan Africa							2,028 t	14,735 t	3.0 H
	ast Asia & Pacific							2,983 t	108,057 t	4.3 н
	outh Asia							1,404 t	12,018 t	2.8 н
	urope and Central Asia							9,699 t 4,477 t	71,987 t 43,101 t	4.3 n 3.0 n
	liddle East & N. Africa atin America & Caribbean							5,527 t	74,986 t	4.6 H
	everely indebted				-0.1			11,726 t	66,599 t	3.3 и
					_			71,762 t	851,061 <i>t</i>	2.7 H
	n-income economies ECD members							69,820 t	797,852 t	2.6 H
106	Ireland	-198	921	-228	-1,761			698	5,867	2.1
	†Israel	-198 -562	-822	-766	-5,257			452	6,428	3.0
08	New Zealand	-232	-20	-222	30	16	245	258	2,950	2.6
	Spain	79	-15,954	79	-19,810	469	1,603	1,851	71,345	7.1
		225	2.487	225	2,487					
10	†Hong Kong			-585	4,350			1,012	34,133	5.4
111	†Hong Kong †Singapore	-572	4,208					2,764	48,373	1.5
110 111 112	†Hong Kong †Singapore United Kingdom	-572 1,970	-11,438	2,376	-9,575				10 220	~ /
110 111 112 113	†Hong Kong †Singapore United Kingdom Australia	-572 1,970 -785	-11,438 -9,853	2,376 -691	-9,655			1,709	19,339	3.4
110 112 113 114	†Hong Kong †Singapore United Kingdom Australia Italy	-572 1,970 -785 798	-11,438 -9,853 -21,454	2,376 -691 1,094	-9,655 -16,670	446	779	1,709 5, 54 7	72,254	3.3
110 112 113 114 115	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands	-572 1,970 -785 798 -489	-11,438 -9,853 -21,454 8,760	2,376 -691 1,094 -513	-9,655 -16,670 11,950	446 -51	779 -315	1,709	19,339 72,254 33,335	
110 111 112 113 114 115	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium ^b	-572 1,970 -785 798 -489	-11,438 -9,853 -21,454 8,760 4,731	2,376 -691 1,094 -513 904	-9,655 -16,670 11,950 6,201	446 -51 38	779 -315 -274	1,709 5,547 3,362	72,254 33,335	3.3
110 111 112 113 114 115	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands	-572 1,970 -785 798 -489	-11,438 -9,853 -21,454 8,760 4,731 -252	2,376 -691 1,094 -513	-9,655 -16,670 11,950	446 -51	779 -315	1,709 5, 54 7	72,254	3.3
10 11 12 13 14 15 16 17 18	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgiumb Austria France Canada	-572 1,970 -785 798 -489 717 -75 -204 1,008	-11,438 -9,853 -21,454 8,760 4,731 -252 -6,148 -25,529	2,376 -691 1,094 -513 904 -73 18 960*	-9,655 -16,670 11,950 6,201 -144 -1,194 -24,600	446 -51 38 -7 -641	779 -315 -274 367 -1,786	1,709 5,547 3,362 1,806 5,199 4,733	72,254 33,335 17,415 60,227 20,836	3.3 2.4 2.7 2.0 1.4
10 11 12 13 14 15 16 17 18	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium ^b Austria France	-572 1.970 -785 798 -489 717 -75 -204	-11,438 -9,853 -21,454 8,760 4,731 -252 -6,148	2,376 -691 1,094 -513 904 -73 18	-9,655 -16,670 11,950 6,201 -144 -1,194	446 -51 38 -7 -641 	779 -315 -274 367	1,709 5,547 3,362 1,806 5,199	72,254 33,335 17,415 60,227	3.3 2.4 2.7 2.0 1.4 2.6
110 111 112 113 114 115 116 117 118 119 120	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgiumb Austria France Canada	-572 1,970 -785 798 -489 717 -75 -204 1,008	-11,438 -9,853 -21,454 8,760 4,731 -252 -6,148 -25,529 -3,690 -19,497	2,376 -691 1,094 -513 904 -73 18 960 4,680	-9,655 -16,670 11,950 6,201 -144 -1,194 -24,600 -24,670 9,978	446 -51 38 -7 -641	779 -315 -274 367 -1,786	1,709 5,547 3,362 1,806 5,199 4,733 15,237 13,879	72,254 33,335 17,415 60,227 20,836 159,273 96,657	3.3 2.4 2.7 2.0 1.4 2.6 2.3
110 111 112 113 114 115 116 117 118 119 120	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgiumb Austria France Canada United States Germanyc Denmark	-572 1,970 -785 798 -489 717 -75 -204 1,008 2,330 837 -544	-11.438 -9.853 -21.454 8.760 4.731 -252 -6.148 -25,529 -3,690 -19,497 2,167	2,376 -691 1,094 -513 904 -73 18 960 4,680 1,839 -510	-9,655 -16,670 11,950 6,201 -144 -1,194 -24,600 -24,670 9,978 2,513	446 -51 38 -7 -641 	779 -315 -274 367 -1,786 -7,600	1,709 5,547 3,362 1,806 5,199 4,733 15,237 13,879 488	72,254 33,335 17,415 60,227 20,836 159,273 96,657 7,990	3.3 2.4 2.7 2.0 1.4 2.6 2.3 1.7
110 111 112 113 114 115 116 117 118 119 120 121 122 123	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgiumb Austria France Canada United States Germany ^c Denmark Finland	-572 1,970 -785 798 -489 717 -75 -204 1,008 2,330 837 -544 -240	-11,438 -9,853 -21,454 8,760 4,731 -252 -6,148 -25,529 -3,690 -19,497 -2,167 -6,695	2,376 -691 1,094 -513 904 -73 18 960 4,680 1,839 -510 -233	-9,655 -16,670 11,950 6,201 -144 -1,194 -24,600 -24,670 9,978 2,513 -5,998	446 -51 38 -7 -641 -650 -1,366	779 -315 -274 367 -1,786 -7,600 -4,213	1,709 5,547 3,362 1,806 5,199 4,733 15,237 13,879 488 455	72,254 33,335 17,415 60,227 20,836 159,273 96,657 7,990 8,317	3.3 2.4 2.7 2.0 1.4 2.6 2.3 1.7 2.8
10 11 12 113 14 115 116 117 118 119 20 21 22 23 24	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgiumb Austria France Canada United States Germanyc Denmark Finland Norway	-572 1.970 -785 798 -489 717 -75 -204 1.008 2.330 837 -544 -240 -242	-11,438 -9,853 -21,454 8,760 4,731 -252 -6,148 -25,529 -3,690 -19,497 2,167 -6,695 4,939	2,376 -691 1,094 -513 904 -73 18 960 4,680 1,839 -510 -233 -200	-9,655 -16,670 11,950 6,201 -144 -1,194 -24,600 -24,670 9,978 2,513 -5,998 6,125	-446 -51 38 -7 -641 -650 -1,366	779 -315 -274 367 -1,786 -7,600 -4,213	1,709 5,547 3,362 1,806 5,199 4,733 15,237 13,879 488 455 813	72,254 33,335 17,415 60,227 20,836 159,273 96,657 7,990 8,317 13,651	3.3 2.4
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgiumb Austria France Canada United States Germanyc Denmark Finland Norway Sweden	-572 1.970 -785 -788 -489 717 -75 -204 1.008 2.330 837 -544 -240 -242 -265	-11,438 -9,853 -21,454 8,760 4,731 -252 -6,148 -25,529 -3,690 -19,497 2,167 -6,695 4,939 -3,243	2,376 -691 1,094 -513 904 -73 18 960 4,680 1,839 -510 -233 -200 -160	-9,655 -16,670 11,950 6,201 -144 -1,194 -24,600 -24,670 9,978 2,513 -5,998 6,125 -1,636	446 -51 38 -7 -641 -650 -1,366	779 -315 -274 367 -1,786 -7,600 -4,213	1,709 5,547 3,362 1,806 5,199 4,733 15,237 13,879 488 455 813 775	72,254 33,335 17,415 60,227 20,836 159,273 96,657 7,990 8,317 13,651 20,477	3.3 2.4 2.7 2.0 1.4 2.6 2.3 1.7 2.8 3.7
10 11 12 13 14 15 16 117 118 119 20 21 122 223 224 225	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgiumb Austria France Canada United States Germanyc Denmark Finland Norway Sweden Japan	-572 1,970 -785 798 -489 717 -75 -204 1,008 2,330 837 -544 -240 -242 -265	-11,438 -9,853 -21,454 8,760 4,731 -252 -6,148 -25,529 -3,690 -19,497 2,167 -6,695 4,939 -3,243 72,905	2,376 -691 1,094 -513 904 -73 18 960 4,680 1,839 -510 -233 -200 -160 2,170	-9,655 -16,670 11,950 6,201 -144 -1,194 -24,600 -24,670 9,978 2,513 -5,998 6,125 -1,636 84,740		779 -315 -274 367 -1,786 -7,600 -4,213140 20	1,709 5,547 3,362 1,806 5,199 4,733 15,237 13,879 488 455 813 775 4,876	72,254 33,335 17,415 60,227 20,836 159,273 96,657 7,990 8,317 13,651 20,477 80,626	3.3 2.4 2.7 2.0 1.4 2.6 2.3 1.7 2.8 3.7 3.0
10 11 12 113 114 115 116 117 118 119 20 21 122 123 24 125	†Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgiumb Austria France Canada United States Germanyc Denmark Finland Norway Sweden Japan Switzerland	-572 1.970 -785 -788 -489 717 -75 -204 1.008 2.330 837 -544 -240 -242 -265	-11,438 -9,853 -21,454 8,760 4,731 -252 -6,148 -25,529 -3,690 -19,497 2,167 -6,695 4,939 -3,243	2,376 -691 1,094 -513 904 -73 18 960 4,680 1,839 -510 -233 -200 -160	-9,655 -16,670 11,950 6,201 -144 -1,194 -24,600 -24,670 9,978 2,513 -5,998 6,125 -1,636	-446 -51 38 -7 -641 -650 -1,366	779 -315 -274 367 -1,786 -7,600 -4,213	1,709 5,547 3,362 1,806 5,199 4,733 15,237 13,879 488 455 813 775	72,254 33,335 17,415 60,227 20,836 159,273 96,657 7,990 8,317 13,651 20,477	3.3 2.4 2.7 2.0 1.4 2.6 2.3 1.7 2.8 3.7

Table 19. Official development assistance from OECD and OPEC members

)E(CD: Total net flows ^a	1965	1970	1975	1980	1985	1988	1989	1990	1991
					Millions oj	f US dollars				
06	Ireland	0	0	8	30	39	57	49	57	7
08 12	New Zealand	472	14 500	66 904	72 1,854	54 1,530	104 2,645	87 2,587	95 2,638	10 3,34
3	United Kingdom Australia	119	212	552	667	749	1,101	1,020	955	1,05
4	Italy	60	147	182	683	1,098	3,193	3,613	3,395	3,35
5	Netherlands	70	196	608	1,630	1,136	2,331	2,094	2,592	2,51
6	Belgium	102	120	378	595	440	601	703	889	83
7	Austria	10	11	79	178	248	301	283	394	54
18	France	752	971	2,093	4,162	3,995	6,865	7,450	9,380	7,48
19	Canada	96	337	880	1,075	1,631	2,347	2,320	2,470	2,60
20	United States	4,023	3,153	4,161	7,138	9,403	10,141	7,676	11,394	11,36
21	Germany b	456	599	1,689	3,567	2,942	4,731	4,949	6,320	6,89
22	Denmark	13	59	205	481	440	922	937	1,171	1,30
23	Finland	.2	7	48	110	211	608	706	846	93
24	Norway	11	37	184	486	574	985	917	1,305	1,17
25	Sweden	38 244	117 458	566	962 3,353	840 3,797	1,534 9,134	1,799 8,965	2,012 9,069	2,11 10,95
26 27	Japan Switzerland	12	30	1,148 1 04	253	302	617	558	750	10,95
	Total	6,480	6,968	13,855	27,396	29,429	48,114	46,713	55,632	55,51
					As a pe	rcentage of do	onor GNP			
06	Ireland	0.00	0.00	0.09	0.16	0.24	0.20	0.17	0.16	0.1
08	New Zealand	_ • •	0.23	0.52	0.33	0.25	0.27	0.22	0.23	0.2
12	United Kingdom	0.47	0.41	0.39	0.35	0.33	0.32	0.31	0.27	0.3
13	Australia	0.53	0.59	0.65	0.48	0.48	0.46	0.38	0.34	0.3
14	Italy	0.10	0.16	0.11	0.15	0.26	0.39	0.42	0.32	0.1
15	Netherlands	0.36	0.61	0.75	0.97	0.91	0.98	0.94	0.94	0.:
16	Belgium Austria	0.60	0.46 0.07	0.59 0.21	0.50 0.23	0.55 0.38	0.39 0.24	0.46 0.23	0.45 0.25	0.4 0.1
17 18		0.11	0.66	0.62	0.23	0.38	0.72	0.78	0.23	0
19	France Canada	0.76 0.19	0.41	0.54	0.63	0.78	0.72	0.78	0.79	0.
20	United States	0.19	0.32	0.27	0.43	0.24	0.30	0.15	0.21	0.3
21	Germany b	0.40	0.32	0.40	0.44	0.47	0.39	0.41	0.42	0.4
22	Denmark	0.13	0.38	0.58	0.74	0.80	0.89	0.93	0.93	0.9
23	Finland	0.02	0.06	0.18	0.22	0.40	0.59	0.63	0.64	0.
24	Norway	0.16	0.32	0.66	0.87	1.01	1.13	1.05	1.17	1.1
25	Sweden	0.19	0.38	0.82	0.78	0.86	0.86	0.96	0.90	0.9
26 27	Japan Switzerland	0.27 0.09	0.23 0.15	0.23 0.19	0.32 0.24	0.29 0.31	0.32 0.32	0.31 0.30	0.31 0.31	0.3 0.3
	SWIZEHARU	0.09	0.13	0.17		ational curren		0.30	0.31	
06	Ireland (millions of pounds)	0	0	4	15	37	37	34	35	4
08	New Zealand (millions of dollars)		13	55	74	109	158	146	160	18
12	United Kingdom (millions of pounds)	169	208	409	798	1,180	1,485	1,577	1,478	1,7
13	Australia (millions of dollars)	106	189	402	591	966	1,404	1,386	1,323	1,3
14	Italy (billions of lire)	38	92	119	585	2,097	4,156	4,958	4,068	3,8
15	Netherlands (millions of guilders)	253	710	1,538	3,341	3,773	4,410	4,440	4,720	4,3
16	Belgium (millions of francs)	5,100	6,000	13,902	17,399	26,145	22,088	27,714	29,720	26,0
17	Austria (millions of schillings)	260	286	1,376	2,303	5,132	3,722	3,737	4,477	5,8
18	France (millions of francs)	3,713	5,393	8,971	17,589	35,894	40,897	47,529	51,076	38,7
19	Canada (millions of dollars)	104	353	895	1,357	2,327	2,888	2,747	2,882	3,0
20	United States (millions of dollars)	4,023	3,153 2,192	4,161 4,155	7,138 6.484	9,403 8,661	10,141 8,319	7,676 9,302	11,394 10,311	11,3 10,4
22	Germany (millions of deutsche marks) benmark (millions of kroner)	90 1,824	2,192 443	4,155 1,178	6,484 2,711	8,661 4,657	8,319 6,304	9,302 6,850	7,347	7,0
23	Finland (millions of markkaa)	6	443 29	1,178	414	1,308	2,542	3,031	3,336	3,8
23 24	Norway (millions of kroner)	79	264	962	2,400	4,946	2,342 6,418	6,335	7,542	7,0
2 4 25	Sweden (millions of kronor)	197	605	2,350	4,069	7,326	9,396	11,600	11,909	11,7
	Japan (billions of yen)	88	165	341	760	749	1,171	1,336	1,313	11,7
27	Switzerland (millions of francs)	52	131	268	424	743	903	912	1,041	1,1
um	mary				Bi	llions of US do	ollars			
	ODA (current prices) ODA (1987 prices)	6.5 28.2	7.0 25.3	13.9 29.8	27.3 36.8	29.4 39.4	48.1 44.9	46.7 43.6	55.6 47.6	55 45
	GNP (current prices)	1,374.0	2,079.0	4,001.0	7,488.0	8,550.0	13,547.0	13,968.0	15,498.0	16,818
						Percent				
	ODA as a percentage of GNP	0.47	0.34	0.35	0.35	0.34	0.34	0.32	0.33	0.
					li	idex (1987 = .	100)			

	CD: Total net bilateral flows to ow-income economies ^a	1965	1970	1975	1980	1985	1986	1988	1989	1990	1991
					. As a	percentage	of donor GNI	,			
106	Ireland				0.01	0.03	0.02	0.02	0.01	10.0	
108	New Zealand			0.14	0.01	0.00	0.01	0.01	0.01	0.00	
112	United Kingdom	0.23	0.09	0.11	0.10	0.07	0.07	0.06	0.07	0.05	
113	Australia	0.08	0.00	0.10	0.07	0.04	0.04	0.04	0.06	0.05	
114	Italy	0.04	0.06	10.0	0.00	0.06	0.12	0.17	0.12	0.09	
115	Netherlands	0.08	0.24	0.24	0.32	0.23	0.28	0.27	0.23	0.25	
116	Belgium	0.56	0.30	0.31	0.13	0.13	0.12	0.09	0.05	0.09	
117	Austria	0.06	0.05	0.02	0.11	0.05	0.03	0.03	0.07	0.10	
118	France	0.12	0.09	0.10	0.06	0.11	0.10	0.12	0.14	0.13	
119	Canada	0.10	0.22	0.24	0.13	0.14	0.13	0.13	0.09	0.10	
120	United States	0.26	0.14	0.08	0.06	0.06	0.04	0.03	0.02	0.05	
121	Germany b	0.14	0.10	0.12	0.07	0.13	0.10	0.08	0.08	0.10	
122	Denmark	0.02	0.10	0.20	0.17	0.26	0.23	0.25	0.26	0.24	
123	Finland			0.06	0.03	0.09	0.10	0.24	0.22	0.17	
124	Norway	0.04	0.12	0.25	0.28	0.34	0.43	0.37	0.32	0.37	
125	Sweden	0.07	0.12	0.41	0.26	0.24	0.30	0.21	0.23	0.25	
126	Japan	0.13	0.11	0.08	0.12	0.10	0.10	0.13	0.13	0.10	
127	Switzerland	0.02	0.05	0.10	0.07	0.11	0.10	0.10	0.12	0.11	
	Total	0.20	0.13:	0.11	0.08	0.08	0.08	0.09	0.08	0.09	

OPI	EC: Total net flows ^d	1976	1980	1984	1985	1986	1987	1988	1989	1990	1991
						Millions of U	S dollars				
21	Nigeria	80	35	51	45	52	30	14	70	13	
	Qatar	180	277	10	8	18	0	4	-2	1	1
73	Algeria	11	81	52	54	114	39	13	40	7	5
77	Iran, Islamic Rep.	751	-72	52	-72	69	-10	39	-94	2	
88	Venezuela	109	135	90	32	85	24	55	52	15	
	Iraq	123	864	-22	-32	-21	-35	-22	21	55	0
	Libya	· 98	376	24	57	68	66	129	86	4	25
104	Saudi Arabia	2,791	5,682	3,194	2,630	3,517	2,888	2,048	1,171	3,692	1,704
	United Arab Emirates	1,028	1,118	88	122	87	15	-17	2	888	558
	Kuwait	706	1,140	1,020	771	715	316	108	169	1,666	387
-	Total OPEC d	5,877	9,636	4,559	3,615	4,704	3,333	2,369	1,514	6,341	
	Total OAPECe	4,937	9,538	4,366	3,610	4,498	3,389	2,361		.,.	٠.
					As a	percentage	of donor GNF	•			
21	Nigeria	0.19	0.04	0.06	0.06	0.13	0.12	0.05	0.28	0.06	
	Qatar	7.35	4.16	0.18	0.12	0.36	0.00	0.08	-0.04	0.02	0.01
73	Algeria	0.07	0.20	0.10	0.10	0.19	0.07	0.03	0.11	0.03	0.01
77	Iran, Islamic Rep.	1.16	-0.08	0.03	-0.04	0.03	0.00	0.01	-0.02		
88	Venezuela	0.35	0.23	0.16	0.06	0.14	0.06	0.09	0.13	0.03	
	Iraq	0.76	2.36	-0.05	-0.06	-0.05	-0.08	-0.04	0.04		
	Libya	0.66	1.16	0.10	0.24	0.30	0.30	0.63	0.41	0.01	0.09
104	Saudi Arabia	5.95	4.87	3.20	2.92	3.99	3.70	2.53	1.37	3.90	1.44
	United Arab Emirates	8.95	4.06	0.32	0.45	0.41	0.07	-0.07	0.02	2.65	1.66
	Kuwait	4.82	3.52	3.95	2.96	2.84	1.15	0.40	0.54		
	Total OPEC d	2.32	1.85	0.76	0.60	0.78	0.52	0.34	0.21		
	Total OAPEC c	4.23	3.22	1.60	1.39	1.80	1.10	0:86			

a. Organization of Economic Cooperation and Development. b. Data refer to the Federal Republic of Germany before unification. c. See the technical notes. d. Organization of Petroleum Exporting Countries. e. Organization of Arab Petroleum Exporting Countries.

Table 20. Official development assistance: receipts

					710	uisoursement	of ODA from a		Pou sanito	40 managed
		1985	1986	1987	lillions of dollar	rs 1989	1990	1991	Per capita (dollars) 1991	As percentag of GNP 1991
C	r-income economies	17,432 t	19,484 t	21,412 t	24,513 t	24,763 t	30,653 t	31,921 t	10.2 w	3.0 w
	hina and India	2,532 t	3,254 t	3,300 t	4,086 t	4,048 t	3,605 t	4,701 t	2.3 w	0.8 w
	ther low-income	14,900 t	16,230 t	18,112 t	20,427 t	20,715 t	27,047 t	27,220 t	24.5 w	6.6 w
1	Mozambique	300	422	651	893	772	935	920	57.0	69.2
2	Tanzania	484	681	882	982	920	1,141	1,076	42.7	39.2
3	Ethiopia	710	636	634	970	752	1,014	1,091	20.7	16.5
4	Uganda	180	198	280	363	443	551	525	31.1	19.5
5	Bhutan	24	40	42	42	42	48	64	43.8	25 .9
6	Guinea-Bissau	58	71	111	99	101	117	101	101.3	48.2
7	Nepal	234	301	347	399	493	430	453	23.4	13.8
8	Burundi	139	187	202	189	199	265	253	44.7	21.8
9	Chad	181	165	198	264	241	303	262	44.9	20.2
0	Madagascar Sierra Leone	185	316 87	321 68	304 102	100	386 65	105	36.3 24.7	16.4
2	Bangladesh	1,131	1,455	1,635	1,592	1,800	2,048	1,636	14.8	7.0
	Lao PDR	37	48	58	77	140	152	131	30.8	12.8
4	Malawi	113	198	280	366	412	481	495	56.2	22.6
	Rwanda	180	211	245	252	232	293	351	49.2	22.2
6	Mali	376	372	366	427	454	467	455	52.2	18.5
7	Burkina Faso	195	284	281	298	272	336	409	44.1	14.8
8	Niger	303	307	353	371	296	391	376	47.5	16.5
9	India	1,592	2,120	1,839	2,097	1,895	1,524	2,747	3.2	1.1
	Kenya	430	455	572	808	967	1,053	873	34.9	10.6
1 2	Nigeria	1,032	59	69	120	346	250	262	2.6	0.8
	China	940	1,134	1,462	1,989	2,153	2,081	1,954	1.7	0.5
3	Haiti	150	175	218	147	200	172	182	27.5	6.9
	Benin	94	138	138	162	263	271	256	52.4	13.6
:5	Central African Rep.	104	139	176	196	192	244	174	56.5	13.8
7	Ghana	196	371	373	474	550	498	724	47.2	11.3
	Pakistan	769	970	879	1,408	1,129	1,149	1,226	10.6	2.7
9	Togo	111	174	126	199	183	241	204	54.0	12.5
	Guinea	115	175	213	262	346	296	371	63.1	12.6
0	Nicaragua Sri Lanka	102 468	150 570	502	213 598	225 547	320 674	826 814	217.8 47.4	12.0 8.8
32	Mauritania	207	225	185	184	242	202	208	102.9	18.4
	Yemen, Rep.	392	328	422	304	370	405	313	25.0	3.9
14	Honduras	270	283	258	321	242	450	275	52.2	9.1
	Lesotho	93	88	107	108	127	139	123	67.9	18.9
6	Indonesia	603 1,760	711 1,716	1,246 1,773	1,632 1,537	1,839	1,724 5,444	1,854 4,988	10.2 93.1	1.6 15.2
8	Egypt, Arab Rep. Zimbabwe Sudan	237	225 945	294 898	273 937	1,568 265 772	340 825	393 887	39.0 34.3	6.2
0	Zambia	1,128 322	464	430	478	392	486	884	106.3	
	ldle-income economies	9,037 t	9,439 t	10,430 t	9,621 <i>t</i>	10,013 t	15,412 t	15,500 t	16.2 w	0.7 b
	ower-middle-income	7,049 t	8,087. t	9,027 t	8,257 <i>t</i>	8,533 t	13,629 t	13,639 t	24.3 w	1.8 b
2	Bolivia	197	322	318	394	440	506	473	64.4	9.4
	Côte d'Ivoire	117	186	254	439	403	693	633	51.2	6.6
3	Senegal	289	567	641	569	650	788	577	75.7	10.0
4	Philippines	460	956	770	854	844	1,279	1,051	16.7	2.3
5 6	Papua New Guinea Cameroon	153	263	213	380 284	339 458	416	397 501	42.2	10.6
7	Guatemala Dominican Rep.	83	135	241	235	261	203	197	20.8	2.1
8		207	93	130	118	142	100	6 6	9.1	0.9
9	Ecuador	136	147	203	137	160	155	220	20.4	1.9
1	Morocco Jordan	766 538	403 564	577	480 417	273	1,026	905	41.9 247.1	3.9 22.0
3	Tajikistan Peru	316	272	292	272	305	395	590	26.9	1.2
4	El Salvador	345	341	426	420	443	349	290	54.9	4.9
	Congo	69	110	152	89	91	214	133	56.8	4.6
6	Syrian Arab Rep.	610	728	684	191	127	684	373	29.8	2.2
7	Colombia	62	63	78	61	67	88	123	3.8	0.3
8	Paraguay Uzbekistan	50	6 6	81	76	92	56	144	32.6	2.3
0	Jamaica	169	178	168	193	262	273	166	69.7	4.7
2	Romania Namibia	6	15	17	22	 59	123	184	124.0	8.1
3	Tunisia Kyrgyzstan	163 459	222	274 504	316	283 739	393	322	39.1	2.5
55	Thailand	459	496	504	563	739	802	722	12.6	0.8

					Ne	disbursement	of ODA from a	ll sources		
		1985	1986	M 1987	tillions of dolla	rs 1989	1990	1991	Per capita (dollars) 1991	As percentage of GNP 1991
67	Azerbaijan	1903	1900	1707	1900		1990	1991		1991
68	Turkmenistan									
69 70	Turkey Poland	179	339	376	267	140	1,219	1,675	29.2	1.6
71	Bulgaria									
72	Costa Rica	280	196	228	187	226	227	173	56.4	3.1
73	Algeria	173	165	214	171	152	217	310	12.1	0.7
74 75	Panama Armenia	69	52	40	22	18	93	101	40.9	1.8
76	Chile	40	-5	21	44	61	102	120	9.0	0.4
77	Iran, Islamic Rep.	16	27	71	82	96	105	194	3.4	0.2
78 79	Moldova Ukraine									
80	Mauritius	27	56	65	59	58	89	67	61.8	2.5
81	Czechoslovakia						• •			• •
82	Kazakhstan	229	192	363	104	140	469	200	15.9	0.6
83	Malaysia	1,988 t	1,353 t	1,403 t	1,365 t	140 1,480 t	1,783 t	289 1,862 t	4.7 w	0.6 0.1 w
84	Jpper-middle-income Botswana	96	102	156	151	160	149	135	102.5	3.7
85	South Africa						149	133	102.5	3.7
86	Lithuania									
87 88	Hungary Venezuela	ii	16	19	18	21	79	33	1.7	0.1
89	Argentina	39	88	99	152	211	171	253	7.7	0.2
90	Uruguay	5	27	18	41	38	47	51	16.3	0.5
91	Brazil	123	178	289	210	206	167	182	1.2	0.0
92 93	Mexico Belarus	144	252	155	173	86	141	185	2.2	0.1
94	Russian Federation					- : :		- ::		
95	Latvia									
96 97	Trinidad and Tobago Gabon	7 61	19 79	34 82	9 106	6 133	18 132	-2 1 42	-1.3 121.4	0.0 2.9
98	Estonia							142	121.4	2.9
99	Portugal									
100	Oman	78	84	16	1	18	66	14	8.8	0.1
101 102	Puerto Rico Korea, Rep.	 -9	-18	 11	10	52	52	54	1.3	0.0
103	Greece	11	19	35	35	30	37	39	3.8	0.1
104	Saudi Arabia	29	31	22	19	36	44	45	2.9	0.0
105	Yugoslavia	11	19	35	44	43	47	159	6.6	
	w- and middle-income Sub-Saharan Africa	26,469 t 9,522 t	29,155 t 10,587 t	32,027 t 11,926 t	34,286 t 13,470 t	34,934 t 13,848 t	46,127 t 16,538 t	47,453 t 16,158 t	11.6 w 33.1 w	1.5 w 10.0 w
	Cast Asia & Pacific	4,881 t	4,955 t	5,935 t	6,869 t	7,251 t	8,007 t	7,594 t	4.5 w	0.7 w
	South Asia	4,244 t	5,474 t	5,307 t	6,236 t	6,101 t	6,030 t	7,488 t	6.5 w	2.1 w
	Europe and Central Asia Middle East & N. Africa	247 t 4,710 t	403 t 4,474 t	458 t 4,700 t	359 t 3,670 t	207 t 3,517 t	1,307 t 9,747 t	1,896 t 9,300 t	20.6 w 38.1 w	1.0 w 2.3 w
	Latin America & Caribbean	3,024 t	3,262 t	3,701 t	3,682 t	4,010 t	4,498 t	5,017 t	11.4 w	0.5 w
S	Severely indebted	3,633 t	3,851 t	4,166 t	3,544 t	3,373 t	5,976 t	6,488 t	14.9 w	0.6 w
	h-income economies	2,232 t	2,306 t	1,746 t	1,655 t	1,667 t	1,804 t	2,150 t	55.3 w	0.4 w
	DECD members		• •	• •	• •	• •		• •	• •	• •
106 107	Ireland †Israel	1,978	1,937	1,251	1,241	1,192	1,372	1,749	353.6	2.8
108	New Zealand	.,,,,,						.,,,,,		
109 110	Spain †Hong Kong	20	18	19	22	40	38	36	6.3	0.0
111	†Singapore	24	29	23	22	95	-3	8	2.8	0.0
112	United Kingdom								2.6	0.0
113	Australia									
114 115	Italy Netherlands									• •
116	Belgium									
117	Austria									
118 119	France Canada					٠.				
120	United States									
121	Germany					• • • • • • • • • • • • • • • • • • • •				
122	Denmark									
123 124	Finland Norway									
125	Norway Sweden									
126	Japan									
127	Switzerland									
Wo		28,701 t	31,461 t	33,773 t	35,491 t	36,601 t	47,931 t	49,603 t	12.0 w	1.4 w
	Fuel exporters	1,606 t	805 t	1,033 t	781 t	1,076 t	1,468 t	1,948 t	7.5 w	0.3 w

Table 21. Total external debt

		Long-te		Use of IN (millio	ons of	Short-te		Total exte		on L (milli	arrears DOD ons of	Ratio of preser
		(millions o	1991	1980	1991	(millions o	1991	(millions o	1991	1980	lars) 1991	value of debi
C	-income economies hina and India ther low-income	1700	1771	7700	1371	7,00	.,,,	1700		7700		
1 2 3	Mozambique Tanzania Ethiopia	0 1,999 669	4,055 5,798 3,301	0 171 79	118 143 0	0 306 57	527 519 174	0 2,476 804	4,700 6,460 3,475	0 3 1	1,442 1,257 388	82.7 74.7 68.9
4 5	Uganda Bhutan	542 0	2,325 86	89 0	330 0	64 0	175	695 0	2,830 87	20 0	470 0	63.2 58.4
6 7	Guinea-Bissau Nepal	128 156	574 1,705	1 42	5 39	5 7	74 26	134 205	653 1,769	1 0	89 12	69.6 46.8
8 9 10	Burundi Chad Madagascar	118 204 892	899 547 3,381	36 14 87	49 31 127	12 11 244	13 29 208	166 229 1,223	961 606 3,715	0 6 6	0 18 366	47.7 48.0 71.6
1 I 12	Sierra Leone Bangladesh	323 3,417	642 12,103	59 424	101 727	53 212	547 221	435 4,053	1,291 13,051	7 0	396 18	84.8 49.1
13 14 15	Lao PDR Malawi Rwanda	277 625 150	1,096 1,530 780	16 80 14	21 115 13	1 116 26	4 31 52	295 821 190	1,121 1,676 845	1 3 0	1 7 19	26.8 49.8 49.5
16 17	Mali Burkina Faso	669 281	2,392 871	39 15	60	24 35	79 76	732 330	2,531 956	1 0	164 37	58.3 59.9
18 19	Niger India	687 18,709	1,503 64,315	16 977	73 3,451	159 926	77 3,791	863 20,611	1,653 71,557	0 0	77 0	65.5 78.9
20 21 22	Nigeria China	2,557 5,381	5,776 33,588 50,502	254 0 0	493 0 0	3,553 0	909 10,300	3,449 8,934 4,504	7,014 34,497 60,802	0 0	1,353 0	77.3 97.1 92.6
23 24	China Haiti Benin	4,504 242 334	610 1,221	46 16	33 22	14 73	105 57	303 424	747 1,300	0 5	57 38	56.5 53.6
25 26	Central African Rep. Ghana	1,171	2,992	105	834	131	384	1,407	4,209	5	77	63.9
27 28 29	Pakistan Togo Guinea	, 8,525 899 1,004	17,745 1,143 2,401	674 33 35	1,068 79 55	737 113 71	4,157 134 170	9,936 1,045 1,110	22,969 1,356 2,626	0 8 20	0 25 306	74.8 66.8 70.4
30 31	Nicaragua Sri Lanka	1,661	8,703 5,758	49 391	401	466 220	1,718 394	2,176 1,841	6,553	0	3,743	89.3 60.8
32 33 34 35	Mauritania Yemen, Rep. Honduras Lesotho	718 1,453 1,165 57	1,912 5,207 2,940 406	62 48 33 6	57 0 34 18	65 183 272 8	330 1,264 203 4	844 1,684 1,470 71	2,299 6,471 3,177 428	10 1 0 0	335 1,597 270 7	77.1 83.5 83.8 55.6
36 37	Indonesia Egypt, Arab Rep.	18,169 16,477	59,960 36,978	0 411	166 127	2,775 4,027	13,503 3,466	20,944 20,915	73,629 40,571	0 383	1,739	92.3 52.8
38 39 10	Zimbabwe Sudan Zambia	696 4,147 2,227	2,868 9,717 4,958	0 431 447	0 961 918	90 585 586	561 5,229 1,403	786 5,163 3,261	3,429 15,907 7,279	0 49 6	9,620 1,268	88.1 90.4 86.0
Mid	dle-income economies	2,227	4,750	***	710	300	.,,,,,	3,201	7,277		.,200	
11 12	Bolivia Côte d'Ivoire	2,274 4,724	3,675 15,167	126 65	245 372	300 1,059	155 3,308	2,700 5,848	4,075 18,847	0	36 3,426	75.8 92.9
43 14 15	Senegal Philippines Papua New Guinea	1,114 8,817 624	2,890 25,893 2,566	140 1,044 31	327 1,086 61	219 7,556 64	305 4,919 128	1,473 17,417 719	3,522 31,897 2,755	0 0 0	29 101 21	69.2 96.7 90.6
16 17	Cameroon Guatemala	2,183 831	5,254 2,230	59 0	121 64	271 335	903 411	2,513 1,166	6,278 2,704	2 0	657 565	89.3 90.6
48 49 50	Dominican Rep. Ecuador Morocco	1,473 4,422 8,475	3,554 10,094 20,332	49 0 457	89 182 574	480 1,575 778	849 2,192 312	2,002 5,997 9,710	4,492 12,469 21,219	7 0 3	1,314 3,654 739	92.1 97.6 92.0
51	Jordan Tajikistan	1,486	7,570	0	95	486	977	1,972	8,641	6	1,134	91.5
53 54	Peru El Salvador	6,828 659	15,298	474 32	706	2.084 220	4,705 102	9,386 911	20,709 2,172	0	7,852 16	92.6 74.8
55 56 57	Congo Syrian Arab Rep. Colombia	2,918 4,604	3,989 14,932 15,617	0 0	- 0	631 2,337	1,882 1,752	1,526 3,549 6,941	16,815 17,369	0 0	1,010 1,426 167	72.1 100.4
58 59	Paraguay Uzbekistan	780 	1,799	0	0	174	377	954	2,177	0	532	90.8
50 51	Jamaica Romania	7,131	3,779	309	391 809	2,303	770	1,904 9,762	1,913	0	353	91.2 99.7
52 53 54	Namibia Tunisia Kyrgyzstan	3,390	7,369	 0	258	136	670	3,526	8,296	0	78	90.1
65	Thailand	5,646	23,336	348	0	2,303	12,492	8,297	35,828	0	0	95.2

		Long-term debt (millions of dollars)		Use of IMF credit (millions of dollars)		Short-term debt (millions of dollars)		Total external debt (millions of dollars)		Total arrears on LDOD (millions of dollars)		Ratio of present value to nominal value of debt
		1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1991
	Azerbaijan											
	Turkmenistan			:			٠.:٠		50 252	٠.	• :	05.4
	Turkey	15,575	41,135	1,054	0	2,490	9,117	19,120	50,252	0 300	0 11 ,296	95.4
	Poland Bulgaria	6,594 272	44,057 11,023	0	853 414	2,300	7,571 487	8,894 272	52,481 11,923	0	2,673	101.6 97.1
	Costa Rica	2,112	3,620	57	83	575	340	2,744	4,043	0	219	91.7
	Algeria	17,034	26,557	0	995	2,325	1,084	19,359	28,636	ŏ	210	98.1
74	Panama	2,271	3,939	23	216	680	2,637	2,974	6,791	0	3,265	98.2
	Armenia				0.0	2 5:0			17.000	٠.	• :	20.0
	Chile	9,399	14,744	123	958	2,560	2,200	12,081	17,902	0	1	99.9
77	Iran, Islamic Rep. Moldova	4,508	2,736	0	0	0	8,775	4,508	11,511	0	1,944	100.2
	Ukraine							• •			• • •	• • •
	Mauritius	318	961	102	Ö	47	31	467	991	0	17	87.2
81	Czechoslovakia	0	5,845	0 .	1,313	3,989	2,635	3,989	9,793	0_	4	99.3
	Kazakhstan						::					
83	Malaysia	5,256	18,753	0	0	1,355	2,692	6,611	21,445	0	0	97.5
Up	per-middle-income											
84	Botswana	129	536	0	0	4	7	133	543	0	9	83.8
85	South Africa									• •		
86 87	Lithuania Hungary	6,416	19,221		1,259	3,347	2,177	9,764	22,658	Ö		100.3
88	Venezuela	13,795	28,839	ŏ	3,249	15,550	2,284	29,345	34,372	15	ŏ	99.0
89	Argentina	16,774	47,188	0	2,483	10,383	14,036	27,157	63,707	0	13,818	103.9
90	Uruguay	1,338	3,128	ŏ	58	322	1,003	1,660	4,189	ŏ	0	99.4
91	Brazil	57,500	95,130	0	1,238	13,546	20,147	71,046	116,514	20	10,832	99.9
92	Mexico	41,215	83,891	0	6,766	16,163	11,080	57,378	101,737	0	0	96.9
93	Belarus	• •			• •	• •			• •			
94 95	Russian Federation Latvia				• • •	• •	• •		• •	• •		
96	Trinidad and Tobago	713	1,817		385	116	130	829	2,332	Ö	33	97.8
97	Gabon	1,271	2,935	15	121	228	787	1,513	3,842	0	466	95.7
98	Estonia											
99	Portugal	7,215	20,170	119	0	2,395	8,398	9,729	28,568	0	0	97.0
100	Oman Prosto Pico	436	2,270	0	0	163	427	599	2,697	0	0	96.7
101 102	Puerto Rico Korea, Rep.	18,236	29,318	683		10,561	11,200	29,480	40,518	Ö	0	97.6
103	Greece		27,510				,	,				
104	Saudi Arabia					.,						
105	Yugoslavia - and middle-income	15,586	15,872	760	307	2,140	293	18,486	16,471	0	636	102.5
Ea So Eu M La	b-Saharan Africa st Asia & Pacific uth Asia trope and Central Asia iddle East & N. Africa stin America & Caribbean verely indebted					_						
	-income economies					_						
	ECD niembers											
106	Ireland									-		
	Israel											
108	New Zealand											
109	Spain Hong Kong											
	Singapore				_	-						
112	United Kingdom											
113	Australia											
114	Italy											
115	Netherlands											
116 117	Belgium Austria											
118	France											
119	Canada											
120	United States			_								
121	Germany											
122	Denmark											
123 124	Finland Norway											
444	Sweden											
125	Japan											
	Japan Switzerland											
125 126 127 Wor	Switzerland											

Table 22. Flow of public and private external capital

		Disbur: (millions o				Repayment of (millions of				Interest p (millions o		
	Long-ter and pi guard	ublicly	Pris nongua		Long-ter and pi guara	iblicly	Priv nongua		Long-ter and pi guard		Priv nongua	
	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	199
ow-income economies China and India Other low-income												•
1 Mozambique	0	141	0	0	0	23	0	3	0	10	0	
2 Tanzania	373	257	31	ŏ	26	64	16	ŏ	38	33	7	
3 Ethiopia	102	260	0	0	17	90	0	0	17	36	0	
4 Uganda 5 Bhutan	92 0	179 10	0	0	32 0	68 4	0	0	4	24 2	0	
6 Guinea-Bissau	69	29	0	0	3	2	0	0	1	2	0	
7 Nepal	50	155	Ö	ŏ	2	30	ŏ	ŏ	ż	27	ŏ	
8 Burundi	39	85	0	0	4	26	0	0	2	12	0	
9 Chad) Madagascar	6 350	97 198	0	0 0	3 30	4 48	0	0	0 26	5 67	0	
1 Sierra Leone	86	47	0	0	32	1	0	0	8	1	0	
2 Bangladesh	657	873	Ö	ő	63	259	ŏ	ŏ	47	153	ŏ	
3 Lao PDR	38	50	0	0	1	5	0	0	1	3	0	
4 Malawi 5 Rwanda	153 27	170 100	0	0 0	33 3	61 13	0	0 0	35 2	41 7	0	
	95	95	0	0	6	5	0	0	3	6	0	
6 Mali 7 Burkina Faso	65	146	0	0	11	25	Ö	0	6	15	ő	
8 Niger	167	67	113	Ö	23	98	35	36	16	11	49	
9 India	1,895	7,147	285	317	664	3,403	91	278	502	2,585	30	
Kenya	550	424	87	60_	117	320	88	40_	130	202	39	
1 Nigeria 2 China	1,187 2,539	844 9,992	565 0	0	65 613	1,069 4,323	177 0	47 0	440 318	2,218 2,946	91 0	
3 Haiti	47	34	ő	ő	15	4,323	ŏ	ő	5.6	6	ő	
4 Benin	62	99	0	0	6	16	0	0	3	12	0	
Central African Rep.	25	114	0	0	1	4	0	0	0	5	0	
Ghana	220	440	0	9	77	101	0	8	31	60	0	
7 Pakistan 3 Togo	1,052 100	1,737 65	9	19 0	346 19	907 19	7 0	41 0	247 19	565 18	2 0	
Guinea	121	237	ő	ő	75	82	ŏ	ŏ	23	39	ŏ	
) Nicaragua	266	134	0	0	45	168	0	0	42	218	0	
l Sri Lanka	269	755	2	0	51	162	0	3	33	127	0	
2 Mauritania	130	.57	0	0	17	40	0	0	13	20	0	
3 Yemen, Rep. 4 Honduras	566 264	163 209	0 81	0 23	25 39	83 126	0 48	0 15	10 58	28 135	0 25	
5 Lesotho	13	50	ő	0	3	17	0	0	1	10	0	
5 Indonesia	2,551	5,606	695	3,467	940	4,172	693	1,948	824	2,645	358	
Egypt, Arab Rep.	2,803	1,799	126	120	368	1,247	46	170	378	580	23	
8 Zimbabwe	132	379	0	112	40	227	0	33	10	237	0	
9 Sudan 9 Zambia	711 597	130 336	0 6	0 2	53 181	13 248	0 31	0	49 106	10 236	0 10	
liddle-income economies Lower-middle-income	27.									,		
l Bolivia	441	287	16	0	126	114	19	25	164	107	9	
Côte d'Ivoire	1,413	401	262	900	517	226	38	529	353	273	31	
Senegal	327	131	0	9	152	133	4	8	67	89	0	
Philippines Papua New Guinea	1,382 120	1,682 213	472 15	261 228	221 32	1,392 159	320 40	112 203	375 30	1,395 78	204 22	
Cameroon	562	425	50	76	82	149	32	86	104	157	15	
Guatemala	138	423 80	32	3	15	157	62	3	30	97	30	
B Dominican Rep.	415	108	67	0	62	103	74	16	92	77	29	
Ecuador Morrosco	968 1 703	521	315	1 8	272 565	474 940	263	22 - 8	288 607	453 1,083	78 11	
Morocco Jordan	1,703	1,276	75		565		25					
Jordan ! Tajikistan	369	611	0	0	103	279	0	0	79	304	0	
Peru	1,248	500	60	0	959	454	60	112	547	340	124	
El Salvador	110	275	0	0	17	155	18	5	25	69	11	
Congo	520	32	0	0	34	178	0	0	37	38	0	
Syrian Arab Rep. Colombia	1,148 1,016	531 1,643	0 55	0 298	225 250	496 1,906	0 13	0 307	77 279	131 1,1 8 3	0 31	
Paraguay	158	130	48	8	44	109	36	307 7	35	76	9	
Uzbekistan											• •	
) Jamaica	328	432	25	0	91	377	10	6	114	189	7	
Romania	2,797	304	0	0	824	23	0	0	332	6	0	
2 Namibia 3 Tunisia	558	1,142	53	30	216	764	43	35	212	372	16	
Kyrgyzstan												
5 Thailand	1,315	1,453	1,288	3,846	172	1,147	610	1,140	269	709	204	1,
6 Georgia												

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			Disburs (millions o				Repayment (millions of				Interest p (millions o		
		Long-ter and pr		Priv nongua		Long-ter and pu guara	ıbİicly	Priv nonguai		Long-ter and pi guara	ıblicly	Prive nonguar	
		1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991
67	Azerbaijan												
68 69	Turkmenistan Turkey	2,400	4,740	 75	310	566	3,946	29	630	487	2,659	20	146
70	Poland	5,058	859	0	0	2,054	383	ő	0	704	451	0	(
71	Bulgaria	222	674	0	0	5	802	0	0	23	274	0	(
72 73	Costa Rica	435 3,398	329 6,391	102 0	8 0	76 2,529	168 7,712	88 0	9	130 1,439	173 1,952	41 0	26
73 74	Algeria Panama	3,398 404	1,391	0	0	2,329	7,712	ŏ	ő	252	108	ŏ	ď
75	Armenia	-:-	-::				-à.i	-::	-:-		• • • • •	425	•
76 77	Chile Image Valencia Deca	857	703	2,694	943	891 531	594 174	<u>571</u>	327 0	483	2,199	435	292
78	Iran, Islamic Rep. Moldova	264	1,086				174			432			
79	Ukraine												
80 81	Mauritius Czechoslovakia	93 0	103 1,358	4 0	50 0	15 0	55 984	4 0	31 0	20 0	45 329	3 0	:
82	Kazakhstan		1,336				70-7				32)		
83	Malaysia	1,015	1,646	441	747	127	1,606	218	296	250	1,119	88	112
U	pper-middle-income												
84	Botswana	27	68	0	0	6	47	0	0	7	32	0	(
85 86	South Africa Lithuania												
87	Hungary	1,552	3,114	0	0	824	2,333	0	0	636	1,439	0	(
88	Venezuela	2,870	1,527	1,891	173	1,737	607	1,235	173	1,218	1,706	257	40
89 90	Argentina Uruguay	2,839 293	1,641 507	1,869 63	0 299	1,146 93	2,432 468	707 37	0 124	841 105	3,017 170	496 17	133
91	Brazil	8,335	3,674	3,192	628	3,864	3,911	2,970	752	4,202	3,693	2,132	33
92	Mexico	9,131	5,819	2,450	1,771	4,010	3,602	750	1,491	3,880	5,776	700	59:
93	Belarus Bussian Fadamaian			• • •		· · ·	• •	• • •	• • •	• • •		• •	•
94 95	Russian Federation Latvia												:
96	Trinidad and Tobago	363	93	0	0	176	173	0	0	50	143	0	(
97 98	Gabon Estonia	171	70	0	0	279	38	0	0	119	41	0	- (
99	Portugal	1,950	5,546	149	195	538	3,781	126	109	486	1,296	43	39
00	Oman	98	434	140	0	179	385	0	ő	44	156	ő	(
01	Puerto Rico	2 420	4 752		2 004	1,490	2 000	64	1 260	1,293	1 105	343	50:
02	Korea, Rep. Greece	3,429	4,752	551	2,994	1,490	2,009	04	1,360	1,293	1,195	343	JU.
04	Saudi Arabia											:	
105	Yugoslavia	1,366	105	3,223	666	368	1,351	2,012	1,039	249	988	829	23:
Si E Sc E M L	v- and middle-income ub-Saharan Africa ast Asia & Pacific outh Asia urope and Central Asia Iiddle East & N. Africa atin America & Caribbean everely indebted		· _										
	h-income economies												
106	DECD members Ireland	_											
107	†Israel												
108	New Zealand												
109 110	Spain †Hong Kong												
	†Singapore												_
112	United Kingdom												
112 113	Australia												
112 113 114													
112 113 114 115	Australia Italy Netherlands Belgium												
112 113 114 115 116 117	Australia Italy Netherlands Belgium Austria	-											
112 113 114 115 116 117	Australia Italy Netherlands Belgium Austria France					_							
112 113 114 115 116 117 118 119	Australia Italy Netherlands Belgium Austria												
112 113 114 115 116 117 118 119 120	Australia Italy Netherlands Belgium Austria France Canada United States Germany												
112 113 114 115 116 117 118 119 120	Australia Italy Netherlands Belgium Austria France Canada United States Germany Denmark												
112 113 114 115 116 117 118 119 120 121 122 123 124	Australia Italy Netherlands Belgium Austria France Canada United States Germany Denmark Finland Norway								_			_	
112 113 114 115 116 117 118 119 120 121 122 123 124 125	Australia Italy Netherlands Belgium Austria France Canada United States Germany Denmark Finland Norway Sweden												
112 113 114 115 116 117 118 119 120 121 122 123 124	Australia Italy Netherlands Belgium Austria France Canada United States Germany Denmark Finland Norway		-						_	_			

Table 23. Aggregate net resource flows and net transfers

			t flows on lo (millions o	f dollars)	-	Official		Foreign investmen	it in the		gate net	Aggreg	
		Public a licly gua		nongua	vate ranteed	(millio dolla		reporting (millions o			ce flows of dollars)	tran. (millions c	
		1980	1991	1980	1991	1980	1991	1980	1991	1980	1991	1980	199
Low-income China and Other low	India												
1 Mozam 2 Tanzani		0 348	118 193	0 15	-3 0	76 485	752 688	0	23 0	76 848	889 880	76 804	87
3 Ethiopia		84	171	0	0	125	460	0	0 -	209	631	192	84 59
4 Uganda5 Bhutan		60 0	111 5	0	0 0	62 2	253 28	0 0	1 0	122 2	365 33	118 2	34
6 Guinea	Rissan	66	28	0	0	37	60	0	0	103	88	102	8
7 Nepal		48	125	0	0	79	160	0	0	127	285	125	25
8 Burund: 9 Chad		35 3	59 93	0 0	0 0	39 22	126 106	0 0	1 0	74 25	186 199	72 25	17 19
10 Madaga	scar	319	150	0	0	30	352	0	14	349	516	322	44
 Sierra L Banglac 		54 594	46 614	0	0	24 1,001	33 1,070	-19 0	0 1	59	79	46	1,53
12 Banglad 13 Lao PD	R	37	45	0	0	16	54	0	Ó	1,595 53	1,685 99	1,548 52	1,33
14 Malawi15 Rwanda		120 25	109 87	0	0	49 68	219 181	10 16	0 5	178 109	328 273	135 98	28 26
16 Mali		89	89	0	0	104	209	2	4	195	302	192	27
17 Burkina	Faso	55	121	0	0	88	200	0	0	142	321	128	30
18 Niger 19 India		144 1,231	-32 3,744	79 194	-36 39	51 649	249 562	49 0	0 0	324 2,073	181 4,345	248 1,541	16 1,64
20 Kenya		433	104	-1	20	121	836	79	43	632	1,003	312	69
21 Nigeria		1,122	-225	388	-47	3	141	-740	712	773	581	-1,357	-1,83
22 China 23 Haiti		1,927 32	5,669 28	0 0	0 0	7 30	262 142	0 13	4,366 14	1,934 75	10,298 183	1,616 59	7,34 16
24 Benin	4.6-i D	56 24	83	0	0	41	147	4	0	101	231	96	21
26 Ghana	African Rep.	143	110 340	0	1	56 23	581	16		85	922	85	16
20 Ghana 27 Pakistai	1	706	830	2	-22	482	429	63	257	181 1,254	1,494	135 1,000	85 87
28 Togo 29 Guinea		82 47	46 155	0	0	15 25	92 138	42 0	0	139 72	139 293	119 49	25
30 Nicarag	ua	221	-33	0	ő	48	730	0	0	269	696	207	47
31 Sri Lani		219	593	2	-3	161	200	43	98	425	887	377	73
32 Maurita 33 Yemen,		113 542	17 80	0	0 0	61 335	97 87	27 34	0 0	201 910	113 167	165 900	9 13
34 Hondur	as .	225	83	33	9	20	475	6	45	283	611	123	40
35 Lesotho		10	33	0	0	52	48	5	8	66	88	59	-7
36 Indones37 Egypt,	ıa Arab Rep.	1,611 2,435	1,434 552	2 80	1,519 -50	109 165	300 3,355	180 54 8	1,482 253	1,902 3,229	4,735 4,110	-2,514 2,813	-1,05 3,45
38 Zimbab		93	152	0	80	127	231	2	0	221	462	133	21
39 Sudan 40 Zambia		658 416	117 89	0 -25	0 2	388 71	416 697	0 62	0 0	1,046 524	533 788	997 324	52 55
	ne economies Idle-income				7								
41 Bolivia		315	173	-3	-25	48	599	47	52	407	800	214	66
 42 Côte d' 43 Senegal 	voire	896 175	175 -2	224 -4	371 1	27 78	264 532	95 15	46 0	1,241 263	856 531	670 161	30 40
44 Philippi	nes	1,161	290	152	149	59	400	-106	544	1,266	1,383	488	-38
	lew Guinea	89	54	-25	25	279	280	76	0	418	359	163	22
46 Camero 47 Guatem		480 123	277 -77	18 -30	-10 0	29 14	269 51	130 111	0 91	656 217	536 66	422 114	36 8
48 Domini	can Rep.	353	5	-7	-16	14	40	93	145	454	174	267	5
49 Ecuado 50 Moroco		696 1,138	46 336	52 50	-21 0	7 75	56 553	70 89	85 320	825 1,353	166 1,209	349 685	-4]
51 Jordan		266	332	0	0	1,127	407	34	-12	1,427	727	1,348	42
52 Tajikist	an		46						 -7				
53 Peru 54 El Salva	ıdor	289 92	120	0 -18	-112 -5	31 31	197 114	27 6	25	347 111	124 255	-580 34	-26 14
55 Congo		486	-147	0	0	20	38	40	0	546	-109	503	-14
56 Syrian A57 Colomb	Arab Rep.	924 766	35 -263	0 42	· _9	1,651 8	109 51	0 157	0 42 0	2,574 974	144 199	2,497	2.03
58 Paragua		114	21	13	1	10	22	32	420 80	168	124	553 70	-2,03
59 Uzbeki: 60 Jamaica		236	55	15	 -6	13	248	28	127	292	424	57	
61 Romani		1,973	281	0	0			0	40	1,973	321	1,641	3
62 Namibi													
63 Tunisia 64 Kyrgyz	stan	342	378	10	-5	26	143	235	150	612	667	232	1
65 Thailan		1,143	306	678	2,706	75	220	190	2,014	2,087	5,245	1,576	3,41
66 Georgia									, ,				

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			et flows on lo (millions o and pub-				grants ons of	Foreign investmen reporting	nt in the		gate net ce flows		gate net sfers
			aranteed 1991	nongua 1980		doll 1980		(millions o			of dollars)	(millions	
67	Azerbaijan	1700		1700						1700			- 17
68	Turkmenistan												
69	Turkey	1,834	794 476	46	-319	185	1,147	18	810	2,083	2,432	1,545	-54
70 71	Poland Bulgaria	3,005 217	476 -128	0 0	0			10 0	291 0	3,015 217	767 -128	2,311 193	26 -40
72	Costa Rica	359	160	14	0	0	83	53	142	425	385	235	14
73	Algeria	869	-1,321	0	ŏ	77	79	349	0	1,295	-1,242	-830	-3,19
74	Panama	189	-73	0	0	6	89	-47	-62	149	-45	-174	-19
75	Armenia	-34	109	2,123	616		97	213	576	2,312	1,398	1,307	-1,73
76 77	Chile	-267	912	2,123	010	1	70	0	0	-265	982	-1,095	95
78	Iran, Islamic Rep. Moldova	-207	912							-203		-1,093	9.
79	Ukraine												
80	Mauritius	78	48	0	19	13	16	1	19	93	101	69	2
81	Czechoslovakia	0	374	0	0	• •		0	600	0	974	0	64
82 83	Kazakhstan Malaysia	889	41	223	451	6	57	934	3,455	2,052	4,003	524	83
	pper-middle-income	- 007	- '.					,,,,	5,.05	2,002	.,000		
84	Botswana	21	21	0	0	51	62	112	0	184	83	69	5
85	South Africa												
86	Lithuania		30.	٠.					::		0.010		-:
87 88	Hungary Venezuela	728 1,133	781 920	0 656	0 0	Ö		0 55	1,462 1,914	728 1,844	2,243 2,839	92 47	76 50
89	Argentina	1,693	-791	1,162	0	2	40	678	2,439	3,535	1,688	1,593	-2,26
90	Uruguay	200	39	26	175	1	10	290	0	516	224	395	2,20
91	Brazil	4,472	-237	222	-124	14	46	1,911	1,600	6,618	1,286	-670	-4,54
92 93	Mexico Belarus	5,121	2,217	1,700	280	14	62	2,156	4,762	8,991	7,321	3,043	-55
94	Russian Federation					• •		• • •		<u>···</u>		• •	-
95	Latvia												
96	Trinidad and Tobago	187	-80	0	0	1	4	185	169	372	93	-157	-28
97	Gabon	-109	32	0	0	4	35	32	125	-73	192	-465	-3
98 99	Estonia Portugal	1,411	1,765	23	86	28	15	157	2,021	1,620	3,887	1,074	2,48
99 00	Oman	-81	49	0	0	157	3	98	2,021	174	51	-156	-10
01	Puerto Rico							6					
02	Korea, Rep.	1,940	2,743	487	1,633	8	6	6	1,116	2,440	5,498	740	3,50
03 04	Greece Saudi Arabia		• • •	· · ·						•••	•••	• • •	•
05	Yugoslavia	998	-1,247	1,211	-373				. i	2,208	-1,620	1,131	-2,84
St E St E M	/- and middle-income ub-Saharan Africa ast Asia & Pacific outh Asia urope and Central Asia liddle East & N. Africa atin America & Caribbean												
Se	everely indebted												
~	h-income economies												
06	Ireland												
	†Israel												
08	New Zealand												
109	Spain †Hong Kong												
	†Singapore												
12	United Kingdom												
13	Australia												
14	Italy												
15	Netherlands									_			
16 17	Belgium Austria												
	France												
18	Canada												
19	United States												
19 20													
19 20 21	Germany												
19 20 21 22	Germany Denmark												
19 20 21 22 23	Germany												
19 20 21	Germany Denmark Finland												
19 20 21 22 23 24 25 26	Germany Denmark Finland Norway Sweden Japan												
19 20 21 22 23 24	Germany Denmark Finland Norway Sweden Japan Switzerland												

Table 24. Total external debt ratios

		Exports	al external debt a of goods			a perce exports		Interest pe as a perce exports o	ntage of f goods	Concession as a per of to externate	centage otal	Multilate as a perc of to	centage otal
		1980	ervices 1991	1980 GN	1991	1980	rvices 1991	and ser 1980	1991	1980	1991	externa 1980	1991
Chi	ncome economies ina and India ner low-income	105.5 w 69.1 w 120.2 w	225.7 w 140.7 w 307.7 w	16.6 w 5.3 w 33.5 w	44.6 w 21.5 w 85.7 w	10.1 w 6.4 w 11.6 w	21.0 w 16.9 w 25.0 w	5.0 w 2.6 w 6.0 w	9.4 w 7.4 w 11.3 w	45.9 w 61.7 w 42.2 w	38.2 w 30.6 w 41.4 w	15.9 w 24.2 w 14.0 w	24.1 23.8 24.2
2	Mozambique Tanzania Ethiopia	0.0 321.7 131.4	1,117.1 1,207.8 464.7	0.0 48.3 19.5	426.0 250.8 53.4	0.0 19.6 7.3	10.6 24.6 18.6	0.0 10.0 4.5	4.3 7.6 5.8	0.0 55.3 70.6	59.7 60.0 81.5	0.0 21.4 42.2	12.0 30.5 39.1
4 1	Uganda Bhutan	210.3	1,429.4 95.4	55.1 0.0	109.2 38.8	17.4	70.0 7.2	3.7	18.8 2.4	26.9 0.0	58.7 80.1	12.4	51.2 57.3
7 1	Guinea-Bissau Nepal	85.5 180.1	370.0 758.8	128.0 10.4 18.2	323.7 53.5 83.8	3.2 9.5	13.6 31.5	2.1 4.8	6.2 10.9	64.3 75.7 62.6	67.9 90.4 88.2	21.3 62.0 35.7	42.9 78.7 74.9
9 (Burundi Chad Madagascar	320.2 235.7	251.1 744.6	31.6 30.6	47.0 148.3	8.3 17.1	4.5 32.0	0.7 10.9	2.7 15.6	50.9 39.3	80.1 57.6	32.6 14.9	63.9 37.4
2 1	Sierra Leone Bangladesh Lao PDR	157.7 345.3	443.7 996.2	40.7 31.3	167.5 56.0 109.8	23.2 23.2	19.9 7.6	5.7 6.4	6.4 2.9	32.8 82.4 92.1	31.0 91.0 97.3	14.2 30.3 7.1	14.4 53.6 28.6
4	Malawi Rwanda	260.8 103.4	318.8 591.8	72.1 16.3	78.5 53.7	27.7 4.2	25.0 17.6	16.7 2.8	9.4 8.6	33.8 74.4	76.8 91.9	26.7 47.8	71.5 73.9
7 1	Mali Burkina Faso Niger	227.3 88.0 132.8	442.7 188.8 466.8	45.4 22.3 34.5	104.8 34.9 72.9	5.1 5.9 21.7	4.6 9.1 50.4	2.3 3.1 12.9	2.1 4.2 9.3	84.5 66.9 18.0	91.9 77.5 49.9	23.7 42.9 16.5	38.0 67.0 43.7
9 1	India Kenya	136.2 167.3	295.3 318.4	11.9 49.0	29.3 89.6	9.3 21.8	30.7 32.7	4.2 11.4	13.6	75.1 20.8	41.6 40.6	29.5 18.3	33.5 38.2
22 (Nigeria China	32.2 21.2 72.9	257.1 87.1 186.5	10.1 1.5 20.9	108.8 16.4 28.8	4.2 4.4 6.2	25.2 12.1 6.6	3.3 1.5 1.8	16.8 5.3 4.0	6.1 0.5 70.7	3.1 17.6 75.1	6.4 0.0 43.8	11.6 12.4 67.5
24	Haiti Benin Central African Rep.	133.1 94.7	262.2 671.9	30.2 24.3	70.1 71.5	6.2 6.3 4.9	6.2 11.4	4.5 1.6	3.0 5.9	39.2 30.1	78.2 78.1	24.5 27.4	45.7 57.8
7	Ghana Pakistan	116.0 208.8	384.5 244.9	31.8 42.4	66.9 50.1	13.1 17.9	26.9 21.1	4.4 7.6	9.9 10.0	57.9 73.1 24.4	56.9 54.9	19.8 15.4	49.2 35.0 44.9
29	Togo Guinea Nicaragua	180.1 200.5 423.4	187.2 351.0 2,917.8	95.3 108.5	85.0 94.8 153.5	9.0 19.8 22.3	7.3 17.9 109.3	5.8 6.0 13.4	3.5 5.8 62.4	59.7 21.5	57.5 70.3 28.7	11.4 11.7 19.4	31.
32	Sri Lanka Mauritania	123.4 306.6	211.0 458.2	46.1 125.7	72.6 214.7	12.0 17.3	13.9 16.8	5.7 7.9	5.7 6.2 3.5	56.2 60.5	73.3 68.1 73.8	11.7 14.9	31.8 26.9
34	Yemen, Rep. Honduras Lesotho	104.7 152.0 19.5	292.5 330.8 73.2	60.5 11.2	88.1 113.8 39.2	4.5 21.4 1.5	7.3 30.6 4.6	2.3 12.4 0.6	15.8 1.8	83.9 23.4 61.0	37.2 77.0	14.9 31.1 55.3	16.4 50.9 72.9
37	Indonesia Egypt, Arab Rep.	94.2 227.0	223.2 280.0	28.0 97.5	66.4 133.1	13.9 14.7	32.7 16.7	6.5 9.1	13.2	36.4 46.1	28.3 37.6	8.8 12.6	21.7 8.2
39	Zimbabwe <i>Sudan</i> Zambia	45.4 499.4 200.7	164.9 3,465.6 624.8	14.9 77.2 90.7	57.0	3.8 25.5 25.3	50.3	1.5 12.8 8.7	14.4 26.1	2.3 34.4 25.4	29.1 29.0 35.9	0.4 12.3 12.2	21.2 11.2 20.9
	le-income economies wer-middle-income	132.5 w 100.2 w	159.8 w 157.6 w	31.9 w 28.7 w	41.2 w 53.2 w		20.3 w 19.5 w	12.2 w 8.0 w	9.3 w 8.3 w		9.9 w 16.5 w	6.4 w 8.6 w	13.0 14.9
12	Bolivia Côte d'Ivoire	258.2 160.7	432.4 566.1	93.3 58.8	85.3 222.6	35.0 28.3	34.0 43.4	21.1 13.0	14.7 17.6	24.7 7.6	42.1 12.5	16.6 9.0	42.3 15.0 40.
44	Senegal Philippines Papua New Guinea	162.7 212.3 66.0	224.6 215.6 160.7	50.5 53.8 28.9	63.1 70.2 84.6	28.7 26.6 13.8	19.9 23.2 29.6	10.5 18.2 6.6	7.9 11.0 8.5	27.9 6.7 12.2	55.0 25.9 25.5	17.8 7.5 21.2	20. 31.
47	Cameroon Guatemala	136.7 63.6	252.7 142.9	36.8 14.9	57.5 29.5	15.2 7.9	18.7 15.3	8.1 3.7	8.8 6.7	31.4 21.6	23.9 25.4	16.8 30.0	22. 35.:
49 .	Dominican Rep. Ecuador Morocco	133.8 201.6 224.5	193.1 362.7 257.5	31.2 53.8 53.3	65.7 114.5 80.0	25.3 33.9 32.7	11.6 32.2 27.8	12.0 15.9 17.0	4.6 14.7 14.2	20.5 5.0 37.6	27.5 8.1 25.9	10.2 5.4 7.4	19. 17. 23.
52	Jordan Tajikistan	79.0	283.4		226.9	8.4	20.9	4.3	11.8	41.5	34.1	8.0	10.
54	Peru El Salvador Congo	194.2 71.1 148.1	483.6 155.4 386.3	47.6 26.2 99.0	44.3 37.4 181.7	44.5 7.5 10.6	27.7 17.2 21.3	19.9 4.7 6.6	13.4 5.8 6.4	15.1 25.9 26.4	11.5 59.3 36.4	5.5 28.3 7.7	9. 38. 12.
57	Syrian Arab Rep. Colombia	106.2 117.1	167.7	27.1 20.9	103.8 43.5	11.4 16.0	35.2	4.7 11.6	13.8	63.5 16.3	78.4 5.6	8.8 19.5	6. 35.
59	Paraguay Uzbekistan Jamaica	121.9 129.3	125.7 186.3	20.7 78.3	35.0 134.9	18.6 19.0	11.9 29.4	8.5 10.8	5.3 9.7	31.9 20.9	30.7 27.4	20.2 15.0	33. 26.
61	Romania	80.3	39.3		6.9	12.6	2.0	4.9	1.5	0.0	1.0	8.3	1.
62 63	Namibia Tunisia Kyrgyzstan	96.0	137.2	41.6	66.2	14.8	22.7	6.9	7.3	39.9	35.3	12.3	32.
	Thailand	96.8	94.9	26.0	39.0	18.9	13.1	9.5	7.0	10.9	13.2	12.0	9

		Exports	al external debt a of goods		_	a perce	n service as entage of s of goods	Interest p as a perc exports o	entage of of goods	as a pei of i	ional debi rcentage otal	Multilate as a per of te	centage otal
		1980	1991	1980 GA	NP 1991	and s	1991	and se	rvices 1991	extern 1980	1991	1980	al debi 1991
67	Azerbaijan												1771
68	Turkmenistan												
69 70	Turkey Poland	332.9 54.9	194.7 281.4	34.3	48.1	28.0	30.5 5.4	14.9	12.8	23.0	15.6	11.2	20.2
71	Bulgaria	2.9	237.9	16.3 1.4	68.5 151.7	17.9 0.3	22.1	5.2 0.2	3.3 6.1	9.1 0.0	2.9 0.0	0.0 0.0	1.7 4.6
72	Costa Rica	225.2	177.8	59.7	74.9	29.1	18.4	14.6	10.3	9.5	22.8	16.4	29.4
73	Algeria	129.9	214.8	47.0	70.4	27.4	73.7	10.4	15.8	6.5	3.4	1.5	9.5
74	Panama	38.4	106.4	87.5	130.1	6.3	3.9	3.3	1.9	9.0	6.7	11.0	14.1
75 76	Armenia Chile	192.5	153.5	45.5	60.7	43.1	33.9	19.0	24.3	6.2	2.1	2.9	24.1
77	Iran, Islamic Rep.	32.0	57.3	4.9	11.5	6.8	3.9	3.1	3.0	7.4	0.8	13.8	0.7
78	Moldova											13.6	
79	Ukraine			::									
80 81	Mauritius Czechoslovakia	80.7 28.0	53.2 68.9	41.6 9.8	37.0 29.5	9.1 3.9	8.8 11.6	5.9 3.9	3.0 4.7	15.6	39.3 0.0	16.6	29.7
82	Kazakhstan	20.0		7.0	49.3	3.9		3.9	4./	0.0	0.0	0.0	4.8
83	Malaysia	44.6	53.7	28.0	47.6	6.3	8.3	4.0	3.6	10.1	12.1	11.3	9.1
	pper-middle-income	173.1 w	162.2 w	34.4 w	33.2 w	33.0 w	21.1·w	17.5 w	10.4 w	3.5 w	2.9 w	4.8 w	11.1
84	Botswana	17.8	23.0	14.8	15.7	1.9	3.4	1.1	1.4	46.6	40.3	63.3	71.4
85	South Africa												
86	Lithuania												
87 88	Hungary	122.0	180.8	44.8	77.0	27.2	32.5	12.0	13.2	5.6	0.4	0.0	14.8
89	Venezuela	132.0	187.0	42.1	65.3	27.2	18.7	13.8	13.9	0.4	0.2	0.7	6.4
90	Argentina Uniguay	242.4 104.1	433.0 175.3	48.4 17.0	49.2 45.3	37.3 18.8	48.4 38.2	20.8 10.6	25.1 11.7	1.8 5.2	0.9 1.7	4.0 11.0	8.5 20.5
91	Brazil	305.2	324.9	31.3	28.8	63.1	30.0	33.8	15.4	2.5	2.5	4.4	9.5
92	Mexico	259.2	224.1	30.5	36.9	49.5	30.9	27.4	17.3	0.9	1.0	5.6	15.2
93	Belarus												
94	Russian Federation										٠.		
95 96	Latvia Trinidad and Tobago	24.6	105.4	14.0	48.2	6.8	16.2	1.6	8.4	4.7	2.4	8.6	
97	Gabon	62.2	152.5	39.2	48.2 88.1	17.7	6.5	6.3	4.0	8.2	21.4	2.6	6.7 9.1
98	Estonia												
99	Portugal	99.5	103.2	40.5	43.9	18.3	21.1	10.5	7.1	4.4	3.3	5.5	9.8
100	Oman	15.4		11.2	29.4	6.4		1.8		43.6	10.3	5.8	4.9
101	Puerto Rico	120.6	47.6				<i>:</i> :						
102 103	Korea, Rep. Greece	130.6	47.6	48.7	14.4	19.7	7.1	12.7	3.1	9.7 · ·	11.6	8.0	8.9
104	Saudi Arabia				• •								
	Yugoslavia v- and middle-income	103.1 124.9 w	87.8 176.9 w	25.6 26.2 w	42.3 w	20.8 20.0 w	20.4 20.5 w	7.2 10.2 w	6.9 9.3 w	7.9	4.3 19.3 w	7.6	16.9
	ub-Saharan Africa	96.6 w	329.4 w	28.6 w	107.9 w	10.9 w	20.5 W	5.7 w	9.5 W	16.9 w 26.9 w	33.8 w	8.6 w 13.4 w	22.7
E	ast Asia & Pacific	89.8 w	96.2 w	16.9 w	28.2 w		13.3 w	7.7 w	5.9 w	16.4 w	21.2 w	8.7 w	15.4
	outh Asia	160.4 w	287.1 w	17.0 w	35.6 w		26.0 w	5.1 w	11.5 w	74.4 w	52.4 w	25.0 w	36.7
	urope and Central Asia fiddle East & N. Africa	81.2 w 114.4 w	152.2 w 185.8 w	24.3 w = 31.0 w	51.4 w 58.8 w	14.0 w 16.1 w	20.0 w 25.9 w	6.0 w 7.3 w	7.7 w 8.4 w	9.6 w 31.8 w	5.8 w 31.4 w	6.1 w 8.3 w	10.8 11.7
	atin America & Caribbean	195.5 w	256.0 w	35.1 w	41.3 w		29.2 w	19.6 w	15.8 w	4.5 w	5.4 w	5.8 w	14.2
Seve	erely indebted	176.6 w	285.9 w	34.0 w	46.4 w	34.0 w	30.8 w	17.1 w	14.1 w	6.7 w	8.3 w	5.0 w	10.9
	h-income economies												
0	ECD members												
106	Ireland												
	†Israel												
I ()X	New Zealand												
	New Zealand Spain												
109	New Zealand Spain †Hong Kong												
	Spain											•	
109 110 111 112	Spain †Hong Kong †Singapore United Kingdom									<u> </u>			
109 110 111 112 113	Spain †Hong Kong †Singapore United Kingdom Australia												
109 110 111 112 113 114	Spain †Hong Kong †Singapore United Kingdom Australia Italy			_									
109 110 111 112 113 114 115	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands												
09 10 11 12 13 14 15 16 17	Spain †Hong Kong †Singapore United Kingdom Australia Italy												
09 10 11 12 13 14 15 16 17	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France												
09 10 11 12 13 14 15 16 17 18	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France Canada												
109 110 111 112 113 114 115 116 117 118 119 120	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States												
109 110 111 112 113 114 115 116 117 118 119 120	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany												
09 10 11 12 13 14 15 16 17 18 19 20 21	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany Denmark												
109 110 111 112 113 114 115 116 117 118 119 120	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany												
09 10 11 112 113 14 15 16 17 18 19 20 21 22 23	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany Denmark Finland												
09 10 11 12 13 14 15 16 17 18 19 20 21 22 22 23 24 25	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany Denmark Finland Norway Sweden Japan												
09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Spain †Hong Kong †Singapore United Kingdom Australia Italy Netherlands Belgium Austria France Canada United States Germany Denmark Finland Norway Sweden Japan Switzerland												

Table 25. Terms of external public borrowing

		iitmenis of dollars)	Aver interes (pere	i raie		maturity ars)	Avei grace j (yeo	period	Public loans interest t percentage (ates, as a
	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991
Low-income economies China and India Other low-income	30,186 t 8,728 t 21,457 t	37,643 <i>t</i> 17,985 <i>t</i> 19,657 <i>t</i>	6.3 w 7.6 w 5.8 w	5.3 w 6.1 w 4.6 w	23 w 24 w 23 w	22 w 18 w 25 w	6 w 6 w 6 w	6 w 5 w 7 w	16.6 w 14.8 w 17.0 w	22.0 26.3 20.2
1 Mozambique 2 Tanzania 3 Ethiopia	479 710 175	80 246 100	5.2 4.1 3.7	1.4 1.9 3.5	15 23 18	34 42 20	4 8 4	9 12 7	0.0 4.4 1.5	3.7 5.5 2.9
4 Uganda 5 Bhutan	209	437	4.6 1.0	2.2 1.0	25 50	37 39	10	9 10	0.0	1.3 0.0
6 Guinea-Bissau 7 Nepal	38 92	16 68	2.4 0.8	0.7 1.0	18 46	39 38	4 10	10 10	1.6 0.0	0.2 0.0
8 Burundi	102	102	1.3	1.2	42	40	9	10	0.0	0.0
9 Chad 10 Madagascar	0 445	73 53	0.0 5.6	0.7 0.7	0 18	50 40	0 5	10 10	0.2 8.3	0.0 6.1
11 Sierra Leone 12 Bangladesh	70 1,034	46 952	5.2 1.7	0.7 1.0	26 36	48 38	7 9	10 10	0.0 0.1	1.1 0.0
13 Lao PDR	94	147	0.2	0.8	40	40	31	10	0.0	0.0
14 Malawi 15 Rwanda	130 48	187 181	6.0 1.5	0.7 0.8	24 39	41 42	6 .	10 11	23.2 0.0	3.4 0.0
16 Mali 17 Burkina Faso	145 115	152 167	2.2 4.3	0.8 1.0	23 21	42 37	5 6	10 10	0.0 4.3	0.3 0.0
18 Niger	341	48	7.4	2.7	18	30	5	10	56.4	16.5
19 India 20 Kenya	4,902 560	8,538 476	5.4 3.9	5.8 2.4	34 30	20 35	7 8	6 9	4.2 27.0	21.0 20.2
21 Nigeria 22 China	1,904 3,826	1,362 9,447	10.5 10.4	6.1 6.4	11 11	22 16	4 3	6	74.4 58.8	31.8 33.1
23 Haiti	51	52	5.5	1.3	20	39	6	10	3.1	0.6
24 Benin25 Central African Rep.	448 38	145 118	8.3 0.6	1.1 2.9	12 13	36 32	4 4	9 8	0.4 1.9	2.1 0.1
26 Ghana	170 1,115	333 1,558	1.4 4.4	2.6 6.6	44 30	33 19	10 7	8 5	0.9 1.5	2.6 14.4
27 Pakistan 28 Togo	97	1,338	4.4	0.8	24	40	7	10	12.0	3.3
29 Guinea 30 Nicaragua	269 424	100 244	4.6 3.9	2.6 1.8	19 25	24 39	6 7	5 10	0.3 47.9	7.2 25.9
31 Sri Lanka	752	948	3.9	2.2	30	34	8	9	6.9	5.6
32 Mauritania 33 Yemen, Rep.	215 553	0 128	3.6 2.7	0.0 0.9	21 27	0 39	8 6	0 10	2.4 0.0	5.6 1.5
34 Honduras 35 Lesotho	495 59	254 176	6.8 5.9	3.1 5.6	24 24	27 25	7	8 7	34.3 3.5	21.7 0.0
36 Indonesia	4,277	7,840	8.1	6.1	19	20	6	6	30.7	43.1
37 Egypt, Arab Rep.38 Zimbabwe	2,558 171	1,375 953	5.0 7.1	5.2 6.0	28 15	23 14	9 6	7 4	4.5 0.4	11.5 26.8
39 Sudan 40 Zambia	905 645	16 324	6.1 6.7	0.7 1.1	18 19	40 39	5	10 10	10.6 12.6	19.6 12.0
Middle-income economies Lower-middle-income	67,406 t 33,634 t	65,111 t 34,445 t	10.7 w 9.5 w	7.2 w 6.8 w	12 w 14 w	14 w 15 w	4 w 5 w	4 w 5 w	54.9 w 38.8 w	50.6 45.3
41 Bolivia	370	408	8.4	5.1	15	25	5	6	31.6	24.2
42 Côte d'Ivoire 43 Senegal	1,685 470	362 295	11.4 5.9	6.0 3.7	10 20	23 29	4 6	6 7	42.4 12.7	65.7 4.4
44 Philippines 45 Papua New Guinea	2,143 184	2,751 261	9.9 11.2	4.9 4.5	17 18	24 24	5	7 7	49.9 43.5	41.7 52.7
46 Cameroon	164	353	6.9	6.2	24	18	6	5	22.9	18.6
47 Guatemala 48 Dominican Rep.	247 519	35 166	7.9 8.9	2.3 4.7	15 12	32 20	4 4	3 7	35.6 47.2	16.8 31.5
49 Ecuador	1,148	547	10.7	7.6	14	16	4	4	62.5	61.0
50 Morocco 51 Jordan	1,686 768	1,834	7.3	1.7	15	19 29	5 4	9	31.0 13.4	52.5
52 Tajikistan										
53 Peru 54 El Salvador	1,614 225	328 379	9.4 4.2	3.1 7.4	12 28	30 17	3 8	10 5	31.2 27.4	27.8 14.1
55 Congo	966	0	7.7	0.0	11	0	3	0	6.6	27.3
56 Syrian Arab Rep.57 Colombia	1,168 1,566	401 2,323	$^{1.3}_{12.9}$	6.0 7.3	24 15	27 12	5 4	5 6	0.0 40.8	0.0 50.7
58 Paraguay	1,366	0	7.0	0.0	24	0	7	0	27.3	16.8
59 Uzbekistan 60 Jamaica	225	444	7.6	7.2	 14	 19	5	·	23.0	25.7
61 Romania	1,886	1,435	14.1	6.2	8	10	4	5	59.2	5.0
62 Namibia 63 Tunisia	<i>י</i> דֹד ד	1,366	6.7	6.7	18	16	5	5	20.0	23.4
64 Kyrgyzstan65 Thailand	1,877	1,156	9.5	5.0	17	19	5	5	51.4	56.6
66 Georgia		• • •								

			nitments of dollars)	Avei intere: (perc	st rate		e maturity ears)	grace	erage e period ears)		with variabl rates, as a of public deb
		1980	1991	1980	1991	1980	1991	1980	1991	1980	1991
67	Azerbaijan										
68 69	Turkmenistan Turkey	2,925	3,880	8.3	7.9	16	13	5	6	26.5	35.5
70	Poland	1,715	1.637	9.3	7.9	11	14	4	4	37.8	67.7
71	Bulgaria	1,578	269	13.9	7.7	9	17	6	5	76.7	73.0
72 73	Costa Rica	621 3,538	179 8,429	11.2 8.1	7.1 7.4	13 12	6 8	5 4	3 2	57.0 25.0	32.1 41.6
74	Algeria Panama	534	0.429	11.3	0.0	11	ő	5	ő	52.7	61.3
75	Armenia				<u>.</u>	• :	::	• :	• :	-: ;	- /;
76	Chile	835	1,223	13.9	7.0	8	15	4	4	75.6	76.6
77 78	Iran, Islamic Rep. Moldova	0	759 	0.0	6.1	0	21	0	2	37.8	84.7
79	Ukraine		• •						• •		
80	Mauritius	121	107	10.4	6.1	14	17	4	7	47.0	32.8
81	Czechoslovakia	8	1,423	8.2	8.3	12	8	4	4	0.0	33.3
82 83	Kazakhstan Malaysia	1,423	868	11.2	7.4	14	13	· · · 5	· ' 7	50.7	52.2
	pper-middle-income	33,772 t	30,666 t	11.9 w	7.7 w	11 w	14 w	4 w	4 w	67.0 w	56.3
84	Botswana	69	28	6.0	0.5	18	48	4	10	0.0	14.5
85	South Africa										
86	Lithuania				.: <u>:</u>	::	٠.	٠.	٠;	20.0	.; :
87 88	Hungary ^a Venezuela	1,225 2,769	2,627 1,055	9.8 12.1	8.5 8.4	13 8	9 15	3	6 5	39.8 81.4	56.4 62.7
89	Argentina	3,023	2,374	13.8	8.0	9	20	4	5	74.0	58.3
90	Uruguay	3,023	447	10.1	7.9	14	14	6	3	35.4	60.1
91	Brazil	9,638	3,975	12.5	7.6	10	11	4	4	72.2	71.8
92 93	Mexico Belarus	7,632	7,279	11.3	8.2	10	13	4	4	75.9	45.9
94	Russian Federation		• •	• •	• • •	• •		• •	• • •	• • •	• •
95	Latvia									• •	
96	Trinidad and Tobago	211	283	10.4	7.7	9	20	4	5	31.9	51.7
97 98	Gabon Estonia	196	169	11.2	5.4	11	16	3	5	39.3	10.2
99	Portugal	2,015	6,531	10.9	7.0	10	19	3	2	30.6	27.0
100	Oman	454	362	7.9	5.8	.0	ŕź	3	5	0.0	59.7
101	Puerto Rico		4 0 1 0		-: -:	::		• :	• :	26.4	41.0
102 103	Korea, Rep. Greece	4,928	4,910	11.3	7.7	15	11		4	36.4	41.8
104	Saudi Arabia										
105	Yugoslavia	1,187	595	15.1	8.0	9	14	3	5	77.6	75.1
	- and middle-income	97,592 t	102,753 t	9.4 w	6.5 w	16 w	17 w	5 w	5 w	45.0 w	40.7
	ub-Saharan Africa ast Asia & Pacific	13,271 t 19,468 t	· 7,548 t 27,414 t	7.1 w 9.8 w	3.8 w 6.3 w	17 w 16 w	28 w 17 w	5 w 5 w	7 w 5 w	23.7 w 40.0 w	21.2 41.6
	outh Asia	7,925 t	12,074 t	4.6 w	5.2 w	33 w	22 w	7 w	7 w	3.1 w	16.1
	urope and Central Asia	12,542 t	18,397 t	11.2 w	7.6 w	11 w	14 w	4 w	4 w	47.4 w	52.4
	liddle East & N. Africa atin America & Caribbean	11,616 t 32,770 t	15,229 t 22,092 t	6.3 w 11.6 w	6.7 w 7.5 w	19 w 11 w	14 w 15 w	5 w 4 w	4 w 5 w	18.2 w 68.0 w	27.0 55.1
-	everely indebted	37,501 t	28,948 t	10.7 w	7.4 w	11 w	13 w	4 w	4 w	59.4 w	53.7
	h-income economies		20,5 10 7	2017 11	7.00						
	ECD members									4	
106	Ireland										
107 108	†Israel New Zealand										
109	Spain										
110	†Hong Kong										
	†Singapore										
112 113	United Kingdom Australia										
114	Italy										
115	Netherlands										
16	Belgium										
117 118	Austria France										
119	Canada										
20	United States										
121	Germany										
122 123	Denmark Finland										
124	Norway										
125	Sweden										
126 127	Japan Switzerland										
Wo			Na .			- 4	, ,		4 15 p	135	
	uel exporters		grand .	ar - mans round more with	- W			20.2	<u> </u>	a see and see a	
ı. In	cludes debt in convertible curre	ncies only.									

Table 26. Population growth and projections

		Average at	nual growth	of population				Hypothetical size of stationary		• • • • • • • • • • • • • • • • • • • •	opulation (pe	
		1970-80	(percent) 1980-91	1991-2000 ^a	1991	ulation (mill 2000 ^a	2025 ^a	population (millions)	0-14 1991	years 2025a	1991	years 2025 ^a
Low-income China and Other low		2.2 w 2.0 w 2.6 w	2.0 w 1.7 w 2.6 w	1.8 w 1.5 w 2.4 w	3,127 t 2,016 t 1,111 t	3,686 t 2,307 t 1,379 t	5,184 t 2,934 t 2,250 t		35.4 w 31.1 w 43.1 w	26.8 w 22.4 w 32.4 w	60.6 w 63.6 w 55.2 w	65.6 67.6 63.0
1 Mozan		2.6	2.6	2.9	16	21	43	113	44.5	42.2	52.1	55.0
2 Tanzar		3.0	3.0	3.0	25	33	59	116	46.7	36.4	50.5	60.9
3 Ethiop 4 Ugand		2.7 2.7	3.1 2.5	2.7 3.3	53 17	67 23	130 48	303 137	45.9 48.7	41.2 45.1	51.1 48.6	56.3 53.4
4 Ugand 5 Bhutan		1.8	2.3	3.3 2.4	1	23	3	6	48.7 40.6	34.3	55.8	61.7
6 Guinea	ı-Bissau	4.7	1.9	2.0	1	1	2	4	43.2	38.6	53.5	59.2
7 Nepal		2.6	2.6	2.5	19	24	38	65	43.4	30.8	53.7	64.7
8 Buruno	li	1.6	2.9	2.9	6	7	14	33	45.6	40.8	50.7	56.6
9 Chad 10 Madag	аясаг	2.1 2.6	2.4 3.0	2.6 2.8	6 12	7 15	14 26	29 49	42.2 45.1	39.0 33.9	53.4 52.5	57.4 62.5
II Sierra		2.1	2.4	2.6	4	5	10	23	43.5	40.5	52.6	56.4
12 Bangla		2.7	2.2	1.9	111	131	180	268	42.3	26.2	56.8	69.0
13 Lao PI	OR	1.6	2.7	2.9	4	6	10	20	44.5	37.1	51.7	59.3
14 Malaw 15 Rwand		3.1 3.4	3.3 3.0	3.1 2.3	9 7	12 9	24 17	73 37	46.9 48.9	45.0 40.8	49.7 50.6	52.8 57.2
16 Mali	14	2.1	2.6	3.1	9	11	24	59	46.8	41.0	49.8	56.5
17 Burkin	a Faso	2.1	2.6	3.0	9	12	23	50	45.7	38.6	50.9	58.8
18 Niger		2.9	3.3	3.5	8	11	24	76	47.8	45.6	49.1	52.2
19 India 20 Kenya		2.3 3.8	2.1 3.8	1.8 3.5	866 25	1,017 34	1,365 73	1,886 192	35.8 48.8	23.9 41.0	60.2 49.4	68.1 56.3
		2.9	3.0	2.8	99	128	217	382	46.5	31.9	52.3	63.9
21 Nigeri: 22 China	4	1.8	1.5	1.3	1,150	1,290	1,569	1,890	27.0	21.2	66.4	67.1
23 Haiti		1.7	1.9	1.7	7	8	10	17	39.8	29.1	56.8	65.8
24 Benin		2.7	3.2	2.9	5	6	11	20	47.5	34.9	50.8	62.0
25 Centra	l African Rep.	2.2	2.7	2.5	3	4	7	18	42.3	41.4	53.5	56.3
26 Ghana		2.2	3.2	3.2	15	20	36	69	46.8	34.6	50.5	62.0
27 Pakista	an	3.1	3.1	2.8	116	148	244	402	44.0	29.6	53.5	65.5
28 Togo 29 Guinea		2.6 1.4	3.4 2.6	3.1 2.9	4 6	5 8	9 14	19 33	45.4 46.7	36.6 40.6	51.1 50.7	60.0 56.8
30 Nicara		3.1	2.7	3.1	4	5	8	14	47.7	28.7	50.6	66.4
31 Sri Lan	nka	1.7	1.4	1.1	17	19	24	29	31.7	21.3	64.2	66.1
32 Maurit		2.4	2.4	2.9	2	3	.5	14	44.8	42.6	50.8	54.9
	n, Rep.	2.7	3.8	3.7	13	17	37	86	49.3	40.2 28.1	49.7	57.5
34 Hondu35 Lesoth		3.4 2.3	3.3 2.8	2.9 2.4	5 2	7 2	11 3	18 6	39.8 41.9	28.1 29.0	56.8 55.0	66.9 65.7
36 Indone	esia	2.4	1.8	1.4	181	206	265	354	35.8	23.6	60.2	68.4
	Arab Rep.	2.1	2.5	2.1	54	65	92	134	39.1	25.5	57.5	66.8
38 Zimba		2.9	3.4	2.3	10	12	18	28	44.5	28.5	53.7	67.5
39 Sudan 40 Zambi		3.0 3.0	2.7 3.6	3.0 3.0	26 8	34 11	60 21	117 49	45.2 48.3	35.5 41.6	52.4 49.7	60.9 56.6
Middle-inco	ome economies	2.2 w	1.8 w	1.5 w	1,401 t	1,561 t	2,140 t		35.4 w	25.3 w	60.1 w	65.0
	iddle-income	2.2 w	2.0 w	1.8 w	774 1	894 1	1,302.1		36.8 w	27.0 w	58.7 w	64.8
41 Bolivia42 Côte d	a l'Ivoire	2.6 4.1	2.5 3.8	2.4 3.3	7 12	9 17	14 32	22 67	41.2 48.2	28.1 38.2	55.9 49.7	66.3 59.0
43 Senega		2.9	3.0	2.8	8	10	18	38	45.5	38.1	51.6	59.3
44 Philip _l	pines	2.5	2.4	1.9	63	74	102	140	39.2	24.0	59.1	68.5
	New Guinea	2.4	2.3	2.3	4	5	7	12	40.3	29.0	57.2	66.5
46 Camer 47 Guater		3.0 2.8	2.8 2.9	3.1 2.9	12 9	16 12	29 21	56 36	44.7 45.2	35.7 30.3	51.6 52.3	61.0 65.0
	nican Rep.	2.6	2.2	1.6	ŕ	8	ĩi	14	37.4	23.0	60.6	67.7
49 Ecuad		3.0	2.6	2.1	11	13	18	25	38.9	23.9	58.9	68.5
50 Moroc	co	2.4	2.6	2.2	26	31	45	65	40.7	24.6	57.5	68.7
51 Jordan		3.7	4.7	4.0	4	5 7	9	14	43.6	27.4	56.7	67.3
52 Tajikis 53 Peru	stan	2.8	3.0 2.2	3.1 1.9	5 22	26	13 36	21 48	44.9 37.1	30.3 23.4	50.2 60.8	64.2 68.4
54 El Salv	vador	2.4	1.4	2.0	5	6	9	14	43.0	25.2	55.2	69.
55 Congo		3.0	3.4	3.4	2	3	6	15	45.5	40.8	49.5	56.9
	Arab Rep.	3.3	3.3	3.4	13	17	34	69	48.1	35.5	49.3	61.0
57 Colon		2.2	2.0	1.5	33	38	50	63	34.8	22.2	62.9	67.8
58 Paragu		3.0	3.1	2.6	4 21	6 26	9 42	13 65	40.3 41.6	27.1 27.5	56.7 53.9	66.2 65.5
59 Uzbek 60 Jamaio		1.3	2.4 1.0	2.4 0.5	21	26	3	4	33.0	21.7	61.8	67.3
61 Roma		0.9	0.4	0.2	23	23	25 3	26	23.1	18.5	66.8	64.
62 Namit	oia	2.8	3.1	3.2	1	2		7	44.8	34.2	51.5	61.
63 Tunisi		2.2	2.4	1.9	8	10	13	18	37.0	23.3	60.2	68.
64 Kyrgy 65 Thaila		2.7	1.9	1.4	4 57	5 65	7 82	11	38.2	25.8	55.6 65.9	66.3
65 Thaila		2.7	1.9	1.4	57	65	82	104	32.4	21.8	65.9	68.
66 Georg	12		0.7	0.4	5	6	6	7	23.9	19.6	64.5	62.

		Average a	nnual growth	of population				Hypothetical size of stationary		tructure of po		
		1970-80	(percent) 1980-91	1991-2000 ^a	1991	ulation (milli 2000 ^a	ons) 2025 ^a	population (millions)	0-14 1991	years 2025 ^a	15-64	4 years 202:
7 Aze	erbaijan	19/0-80	1.4	1.4	7	8	11	13	33.1	22.6	60.1	65.3
	rkmenistan		2.5	2.5	4	5	8	13	41.3	29.5	54.2	64.
9 Tur		2.3	2.3	1.9	57	68	91	121	35.2	23.1	61.8	68.0
	and	0.9	0.7	0.3	38	39	43	49	24.8	19.9	65.7	62.9
_	Igaria	0.4	0.1	-0.2	9	9	8	9	20.1	17.5	66.8	62.8
	sta Rica	2.8	2.7	2.0	3	4 33	5	6	48.2	22.5	49.7	66.2
	geria nama	3.1 2.5	3.0 2.1	2.7 1.7	26 2	33	53 4	82 5	43.1 34.6	27.0 22.4	53.5 61.9	67.4 67.4
	menia		0.9	1.5	3	4	5	ő	30.1	21.8	62.3	64.
6 Chi		1.6	1.7	1.3	13	15	19	23	30.6	21.8	63.3	65.
7 Irar	n, Islamic Rep.	3.3	3.6	3.4	58	78	160	354	45.8	37.3	51.0	58.
8 Mo	oldova		0.9	0.1	4	4	5	7	31.6	23.0	60.0	63.
	raine	2.2	0.4	0.0	52	52	52	55	21.2	18.4	65.6	62.
	nuritius	1.5 0.7	1.0 0.3	1.1	1 16	1	1	2	29.0 21.2	20.4	67.5 67.5	66.
	echoslovakia	0.7					22			22.2	62.4	
	zakhstan	2.4	1.2 2.6	0.7 2.2	17 18	18 22	22 31	28 43	31.6 38.6	22.3 23.9	58.5	64. 67.
	ılaysia	2.2 w	1.5 w		627 t	667 1	839 t	7.5		22.6 w	62.1 w	65.
	r-middle-income			1.1 w					33.5 w			
	tswana	3.8	3.5 2.5	2.8 2.2	1 39	2 47	3 69	4 103	45.7 38.6	26.9 25.6	52.2 58.3	68. 67.
	uth Africa huania	2.8	0.8	0.2	4	4	4	5	22.5	19.6	65.6	62.
	ngary	0.4	-0.2	-0.4	10	10	10	10	20.0	17.8	67.7	61.
	nezuela	3.5	2.6	1.9	20	23	32	41	36.7	23.0	61.3	67
) Ars	gentina	1.7	1.3	1.0	33	36	43	53	29.4	21.7	62.2	65
0 Un	uguay	0.4	0.6	0.6	3	3	4	4	25.4	20.2	63.3	63
1 Bra		2.4	2.0	1.4	151	172	224	285	34.2	22.6	62.8	67
	exico	2.9	2.0 0.6	1.9 0.2	83 10	99 11	136 11	182 12	37.6 22.9	23.3 19.0	60.0 64.8	68 62
	larus	· · ·			149	149	_					
4 Rus 5 Lat	ssian Federation		0.6 0.3	0.0 -0.1	3	3	153 3	162 3	23.2 21.7	18.7 19.6	65.6 65.1	61 61
	nidad and Tobago	i. i	1.3	0.9	1	1	2	2	34.2	22.6	60.9	66
	bon	4.7	3.5	2.9	1	2	3	7	39.7	39.8	53.4	56
8 Est	tonia	0.8	0.6	0.0	2	2	2	2	22.3	18.5	65.8	62
Por	rtugal	1.3	0.1	0.0	10	10	10	9	20.2	16.0	67.9	65
0 Om	nan	4.2	4.3	3.9	2	2	5	10	46.6	37.1	51.1	58
	erto Rico	1.7	0.9	0.9	4	4	5	5	27.5	19.7	64.6	64
	rea, Rep.	1.8 1.0	1.1 0.5	0.8 0.1	43 10	47 10	53 10	56 9	25.1 18.6	18.2 15.1	71.0 67.2	66 61
	eece udi Arabia	5.0	4.6	3.5	15	21	41	82	43.0	34.8	54.7	59
	goslavia	0.9	0.6		24				22.5		67.7	
ow- an	d middle-income	2.2 w	2.0 w	1.7 w	4,528 t	5,247 t	7,325 t		35.4 w	26.3 w	60.5 w	65
	Saharan Africa	2.8 w	3.1 w	3.0 w	489 t	635 t	1,192 t		48.5 w	38.0 w	53.1 w	59
	Asia & Pacific	1.9 w	1.6 w	1.4 w	1,667 t	1,891 t	2,367 t		29.5 w	22.0 w	65.1 w	67
South	i Asia pe and Central Asia	2.4 w	2.2 w 0.9 w	1.9 w 0.6 w	1,152 t 492 t	1,368 t 475 t	1,908 t 546 t		38.0 w 26.1 w	25.4 w 20.9 w	57.7 w 64.8 w	67 63
	le East & N. Africa	2.9 w	3.2 w	2.9 w	244 !	315 t	552 t		42.9 w	32.1 w	53.4 w	62
	America & Caribbean	2.4 w	2.0 w	1.6 w	445 t	515 t	691 t		36.0 w	23.3 w	60.8 w	67
Severe	ely indebted	2.3 w	2.1 w	1.8 w	486 t	569 t	800 t		36.7 w	25.5 w	59.9 w	66
	come economies	0.8 w	0.6 w	0.5 w	822 t	864 t	922 t		19.7 w	17.2 w	67.1 w	61
	D members	0.7 w	0.6 w	0.5 w	783 t	820 t	869 t		19.3 w	17.2 w	67.0 w	61
	land	1.5	0.2	0.3 2.8	4	4	4	5 10	26.0	19.1	65.0	65
7 †Isra 8 Ne	aei ew Zealand	2.7 1.1	2.2 0.7	0.8	5 3	6 4	8 4	5	30.9 22.8	21.0 19.4	62.9 65.8	65 63
	ain	1.0	0.7	0.1	39	39	39	33	19.3	14.5	68.6	63
	ong Kong	2.4	1.2	0.8	6	6	7	6	20.6	15.4	70.3	61
l †Sin	ngapore	2.0	1.7	1.5	3	3	4	4	22.9	18.3	70.7	63
	nited Kingdom	1.0	0.2	0.2	58	58	60	61	19.0	17.8	64.7	62
	istralia	1.5	1.5	1.3	17	19	23 55	25 45	22.1	18.8	67.0	63
4 Ital 5 Ne		0.5 0.8	0.2 0.6	0.1 0.8	58 15	58 16	55 16	45 15	16.2 18.3	14.0 16.4	68.6 67.3	60 58
_	etherlands			_	10		10					- 60
	lgium Istria	0.2 0.1	0.1 0.2	0.2 0.4	8	10 8	8	10 7	17.7 17.3	16.7 15.7	66.0 66.8	61
	ance	0.1	0.2	0.4	57	59	63	63	19.9	17.3	65.6	60
	inada	1.2	1.2	0.8	27	29	34	35	20.9	18.0	67.1	6
	nited States	1.0	0.9	0.9	253	274	319	348	21.5	19.1	65.6	6
	rmany	0.0	0.1	0.0	80	80	75	65	16.2	15.1	67.9	60
2 De	enmark	0.4	0.1	0.2	5	5	5	5	17.0	16.2	67.7	60
	nland	0.4	0.4	0.3	5	5	5	5	19.2	17.2	66.7	59
	orway	0.5 0.3	0.4 0.3	0.4 0.6	4 9	4 9	5 10	.5 10	18.9 18.1	17.7 18.1	64.5 63.8	61 59
	veden pan	1.2	0.5	0.8	124	127	126	111	18.1	15.1	69.6	59
	pan vitzerland	0.0	0.5	0.3	7	7	7	7	16.9	16.0	67.5	5
Vorld		1.9 w	1.7 w	1.6 w 3.0 w	5,350 t	6,111 t	8,247 t 613 t		32.8 w	25.3 w	61.5 w	6
	exporters	3.2 w	3.3 w		263 t	342 t			48.6 w	33.2 w	57.0 w	6

Table 27. Demography and fertility

		Crude b (per	1,000	(per		childbea as a perc	entage of	_			Assumed year of reaching net	Married women of childbearing age using contraception
		1970	1991	popul 1970	1991	all w	1991	1970	tal fertility re	2000 ^a	reproduction rate of I	(percent) b 1989
Chi	ncome economies na and India ier low-income	39 w 37 w 45 w	30 w 26 w 38 w	14 w 12 w 19 w	10 w 9 w 13 w	46 w 46 w 45 w	51 w 53 w 47 w	6.0 w 5.8 w 6.3 w	3.8 w 3.1 w 5.2 w	3.2 w 2.5 w 4.5 w	raic o _j :	1707
2 7 3 H 4 U	Mozambique Fanzania Ethiopia Uganda	48 49 43 50	45 46 50 52	24 22 20 17	19 18 21 19	47 45 46 44	45 45 44 43	6.7 6.4 5.8 7.1	6.5 6.3 7.5 7.3	6.7 6.6 7.3 6.6	2050 2035 2045 2050	
6 C 7 N 8 H 9 C	Bhutan Guinea-Bissau Nepal Burundi Chad	41 46 46 46 45	39 45 38 46 44	22 27 22 24 26	25 13 17 18	50 50 44 47	47 46 45 46	5.9 5.9 6.4 6.8 6.0	5.9 6.0 5.5 6.8 5.9	5.4 6.0 4.6 6.6 6.1	2035 2040 2030 2045 2040	· · · · · · · · · · · · · · · · · · ·
11 S 12 H 13 I 14 M	Madagascar Sierra Leone Bangladesh .ao PDR Malawi Rwanda	49 48 44 56 52	43 48 34 44 53 42	20 30 21 23 24 18	22 13 16 21	47 47 44 47 46 45	45 48 45 45 45 43	6.6 6.5 7.0 6.1 7.8 7.8	6.2 6.5 4.4 6.7 7.6 6.4	5.2 6.5 3.3 6.0 7.4 7.6	2035 2045 2015 2040 2055 2040	31
16 N 17 E 18 N 19 I	Mali Burkina Faso Niger ndia Cenya	51 48 50 41 53	50 47 52 30 45	26 25 28 18 18	19 18 19 10	46 47 45 48 41	45 45 44 50 43	6.5 6.4 7.2 5.8 8.0	7.0 6.5 7.4 3.9 6.5	7.0 6.3 7.3 3.0 5.5	2050 2045 2055 2015 2050	5
22 C 23 H 24 E	Nigeria China Haiti Benin Central African Rep.	51 33 39 50 37	44 22 35 45 42	21 8 19 22 22	14 7 13 15 17	45 45 45 44 47	45 56 48 44 46	6.9 5.8 5.9 6.9 4.9	5.9 2.4 4.7 6.3 5.8	5.0 2.1 4.2 5.2 5.3	2035 1995 2025 2035 2045	6 72 11
27 F 28 T 29 C	Ghana Pakistan Fogo Guinea Nicaragua	46 48 50 52 48	45 41 48 49 40	16 19 20 27 14	13 11 14 21 7	45 43 46 45 43	44 46 45 44 46	6.7 7.0 6.5 6.0 6.9	6.2 5.7 6.6 6.5 5.1	5.1 4.6 5.5 6.5 4.2	2035 2030 2040 2045 2025	13 12 33
32 N 33 Y 34 H	Sri Lanka Mauritania Yemen, Rep. Hondu ra s Lesotho	29 47 53 49 43	21 49 52 38 35	8 25 23 15 20	6 19 14 7 11	47 47 47 44 47	54 44 44 46 46	4.3 6.5 7.8 7.2 5.7	2.5 6.8 7.5 5.0 5.1	2.1 6.8 7.5 4.1 4.5	2000 2050 2045 2025 2025	62 41
37 E 38 Z 39 S	ndonesia Egypt, Arab Rep. Zimbabwe Sudan Zambia	42 40 53 47 49	25 32 36 44 47	18 17 16 22 19	9 8 15 15	47 43 42 46 46	52 48 47 45 45	5.5 5.9 7.7 6.7 6.7	3.0 4.2 4.7 6.3 6.5	2.4 3.1 3.4 5.4 6.1	2005 2020 2020 2035 2045	50 38 43 9
	e-income economies ver-middle-income	35 w 36 w	25 w 28 w	11 w 12 w	8 w 8 w	45 w 45 w	49 w 49 w	5.0 w 5.3 w	3.2 w 3.6 w	3.1 w 3.4 w		
42 C 43 S 44 F	Bolivia Côte d'Ivoire Senegal Philippines Papua New Guinea	46 51 47 38 42	36 46 43 28 34	19 20 22 11 18	10 14 16 7 11	46 44 45 44 47	48 42 45 50 49	6.5 7.4 6.5 6.4 6.1	4.8 6.6 6.1 3.6 4.9	3.7 5.8 6.3 2.7 4.0	2025 2040 2040 2010 2025	30
47 C 48 E 49 E	Cameroon Guatemala Dominican Rep. Ecuador Morocco	43 45 41 43 47	42 39 27 30 32	18 14 11 12 16	12 8 6 7 8	47 44 43 43 45	44 45 51 50 49	5.8 6.5 6.3 6.3 7.0	5.8 5.4 3.1 3.7 4.3	5.3 4.3 2.4 2.8 3.4	2035 2030 2005 2010 2015	16 23 56 53 36
52 T 53 F 54 E	ordan Fajikistan Peru El Salvador Congo	41 44 43	37 39 27 34 49	14 12 16	5 6 8 7 16	45 44 44 45	46 44 51 47 43	5.9 6.0 6.3 5.9	5.3 5.3 3.4 4.1 6.6	5.6 2.8 3.2 6.3	2025 2030 2010 2015 2045	35 47
57 C 58 F 59 U	Syrian Arab Rep. Colombia Paraguay Jzbekistan Jamaica	47 36 38 	44 24 33 35 24	13 9 7	6 6 6 7	43 41 42	43 54 49 47 52	7.7 5.3 6.0 5.7 5.3	6.3 2.7 4.4 4.3 2.7	5.4 2.2 4.0 2.1	2040 2000 2025 2025 2020	66 48 55
61 F 62 N 63 T 64 F	Romania Namibia Tunisia Kyrgyzstan Thailand	21 44 39	14 43 27 29 21	10 18 14	11 11 6 8 6	50 46 43 	48 45 50 46 55	2.9 6.0 6.4 4.9 5.5	1.9 5.7 3.5 3.9 2.3	2.1 4.8 2.7 2.1	2030 2035 2010 2020 1995	
	Georgia		1,5		8		48	2.6	2.1		1995	

		Crude bi (per I	,000	(per	eath rate 1,000	childbea as a perc	entage of	~	tal familie		Assumed year of reaching net	Married women o childbearing age using contraceptio
		1970	1991	1970	1991	1965	omen 1991	1970	tal fertility r 1991	2000 ^a	reproduction	(percent) b
67 Azerba	iian		27		6		50	4.7	2.8	2000	rate of 1 2010	1989
68 Turkm			34		7		47	6.0	4.5		2030	
69 Turkey		36	28	12	7	45	50	4.9	3.4	2.7	2010	63
70 Poland		17	14	8	11	47	48	2.2	2.1	2.1	2030	
71 Bulgar		16	11	9	12	51	47	2.2	1.8	1.9	2030	
72 Costa l		33	27	7	4	42	51	4.9	3.2	2.3	2005	::
73 Algeria 74 Panam		49 37	34 25	16 8	7 5	44 44	46 52	7.4 5.2	5.0 2.9	3.7 2.2	2025 2005	36
74 Fanani 75 Armen			23		7		50	3.2	2.7	2.2	2005	• •
76 Chile		29	23	10	6	45	53	4.0	2.7	2. i	2000	
77 Iran, Is	lamic Rep.	45	44	16	9	42	44	6.7	6.2	5.6	2045	
78 Moldo			17		11		43	2.6	2.5		2000	
79 Ukrain			12	• <u>:</u>	13	1.5	45	2.1	1.8		2030	
80 Maurit 81 Czeche		29	17 14	7 12	6 12	45	56	3.6	2.0	1.8	2030	
	oslovakia	16		- 12		46		2.1	1.9	2.0	2000	• •
82 Kazaki 83 Malay:		36	21 29	10	8 5	44	49 50	3.4 5.5	2.8 3.7	3.0	2000 2015	• •
		32 w	21 w	10 w	8 w	46 w	50 w		_		2013	• •
	iddle-income							4.6 w	2.7 w	2.6 w	***	
84 Botswa		53 39	36 31	17 14	6 9	45 46	46 49	6.9 5.7	4.8 4.1	3.1	2020	33
85 South . 86 Lithua		39.	15	14	11	40	49	2.4	2.0	3.4	2020 2030	
87 Hunga		15	12	12	14	48	47	2.0	1.8	1.8	2030	• •
88 Venezi		38	29	7	5	44	52	5.3	3.7	2.7	2005	
89 Argent	ina	23	21	9	9	50	47	3.1	2.8	2.3	2000	
90 Urugu:		21	17	10	10	49	47	2.9	2.4	2.1	1995	
91 Brazil	•	35	24	10	7	45	52	4.9	2.8	2.4	2000	65
92 Mexico		43	28	10	.5	43	51	6.5	3.2	2.4	2010	53
93 Belaru			13	• •	11	• • •	46	2.4	1.9		2030	
	n Federation		12		11		46	2.0	1.7		2030	
95 Latvia 96 Trinida	d and Tobago	28	14 24		13 6	46	45 51	1.9 3.6	2.0 2.8	2.3	2030 2000	53
97 Gabon		31	42	21	15	48	46	4.2	5.8	6.1	2045	
98 Estonia		15	14	11	12		46	2.1	2.1		2030	
99 Portug	al	20	12	10	11	48	49	2.8	1.4	1,6	2030	
00 Oman		50	41	21	5	47	42	7.2	6.8	5.9	2040	
01 Puerto		25	18	7	7	48	52	3.2	2.3	2.1	1995	·_·
02 Korea, 03 Greece		30 17	16 10	9 8	6 9	46	57 47	4.3	1.8	1.8	2030	77
			37		5	51	47	2.3	1.4	1.6	2030	
04 Saudi <i>l</i> 05 <i>Yugosl</i>		48 18	14	18 9	9	45 50	43	7.3 2.3	6.5 2.0	5.9 2.0	204 0	
	iddle-income	38 w	28 w	13 w	10 w	46 w	50 w	5.7 w	3.6 w	3.2 w	• •	
	ran Africa	48 w	46 w	21 w	16 w	45 w	44 w	6.6 w	6.4 w	5.9 w		
	& Pacific	35 w	24 w	9 н	7 w	45 w	55 w	5.7 w	2.7 w	2.2 w		
South As	ia	42 w	32 w	18 w	11 w	47 w	49 w	6.0 w	4.2 w	3.3 w		
	nd Central Asia	22 w	17 w	10 w	10 w	48 w	47 w	2.9 w	2.3 w	2.3 w		
	ast & N. Africa	45 w	38 w 26 w	16 w 10 w	8 w 7 w	44 w 45 w	46 w 51 w	6.8 w 5.2 w	5.3 w	4.6 w		
	erica & Caribbean	36 w	27 w						3.1 w	2.6 w		
Severely		36 w		11 w	8 w	46 w	50 w	5.2 w	3.5 w	3.0 w		
	e economies	18 w	13 w	10 w	9 w	47 w	50 w	2.4 w	1.8 w	1.7 w		
OECD m		17 w	13 w	10 w	9 w	47 w	50 w	2.4 w	1.8 w	1.7 w	2020	
06 Ireland 07 †Israel	ı	22 26	15 21	1 I 7	9 6	42 46	49 50	3.9 3.8	2.1 2.8	2.1 2.3	2030 2000	60
	ealand	26 22	17	ģ	8	45	52	3.2	2.1	2.0	1995	
09 Spain		20	10	8	9	49	50	2.8	1.3	1.5	2030	
10 †Hong l	Kong	21	13	5	6	45	56	3.3	1.4	1.5	2030	81
11 †Singap		23	18	5	5	45	60	3.1	1.8	1.9	2030	
	Kingdom	16	14	12	11	45	48	2.4	1.8	1.8	2030	
13 Austra	lia	21	15	9 10	7	47	53	2.9	1.9	1.9	2030	
14 Italy15 Nether	lands	17 18	10 13	8	9 9	48 47	49 51	2.4 2.6	1.3 1.6	1.4 1.6	2030 2030	76
16 Belgiu		15	13	12	11	44	48	2.2	1.7		2030	
17 Austria		15	12	13	11	43	49	2.2	1.6	1.6 1.6	2030	
18 France		i7	13	11	9	43	49	2.5	1.8	1.8	2030	80
19 Canad	a	17	15	7	7	47	53	2.3	1.9	1.7	2030	
20 United	States	18	16	10	9	46	51	2.5	2.1	1.9	1995	74
21 Germa		14	10	13	11	45	47	2.1	1.4	1.6	2030	
22 Denma		14	13	10	12	47	50	1.9	1.7	1.6	2030	
23 Finlan		14 17	13 14	10 10	10 11	48 45	49 49	1.8	1.9	1.8	2030	9.1
24 Norwa25 Swede		17	14	10	11	45 47	49 47	2.5 1.9	1.9 2.1	1. 8 1.9	2030 1995	84
26 Japan		19	10	7	7	56	50	2.1	1.5	1.6	2030	56
26 Japan 27 Switze	riand	16	13	9	9	36 48	50	2.1	1.6	1.6	2030	
World		34 w	26 w	13 w	9 w	46 w	50 w	5.0 w	3.3 w	3.0 w	2000	
Fuel expe	orters	47 w	41 w	18 w	11 w	40 W	45 w	6.8 w	5.7 w	5.0 w		
			_	,	"			310 17	J., "	2.5 "		

Table 28. Health and nutrition

			Populatio			Births attended by health staff	Babies with low birth weight	Infant mor (per 1,0	00 live	Years of life lost per 1,000	Prevalence of malnutritie
		1970 Physi	1990	Nursing 1970	person 1990	(percent) 1985	(percent) 1985	1970	hs) 1991	population 1990	(under 5
Ch	income economies ina and India her low-income	14,080 w 4,890 w 22,380 w	6,760 w 2,460 w 11,730 w	5,580 w 2,990 w 11,580 w		.,,,,	,	109 w 96 w 136 w	71 w 60 w 91 w	.,,,	
1	Mozambique	18,860		4,280	:	28	15	171	149	141	1.1
	Tanzania	22,600	24,880	3,310	5,470	74 58	14	132	115	112	20
	Ethiopia Uganda	86,120 9,210	32,650		• •	58	10	158 109	130 118	107 107	 45
	Bhutan	9,210	13,110					182	132		
6	Guinea-Bissau	17,500		2,820		16	20	185	148		
	Nepal	51,360	16,830	17,700	2,760	10		157	101	67	
	Burundi	58,570		6,870		12	14	138	107	81	38
	Chad Madagascar	61,900 10,120	30,030 8,130	8,010 240		62	11 10	171 181	124 114	106 63	35 53
			0,150		• •	_					
	Sierra Leone Bangladesh	17,830 8,450	• •	2,700 65,780		25	14 31	197 140	145 103	188 69	60
	Lao PDR	15,160	4,380	1,390	490		39	146	100	93	
	Malawi	76,580	45.740	5,330	1,800	59	10	193	143	110	60
15	Rwanda	59,600	72,990	5,610	4,190		17	142	111	124	33
16	Mali	44,090	19,450	2,590	1,890	27	17	204	161	108	31
	Burkina Faso	97,120	57,320		1,680	• ±	18	178	133	114	46
	Niger	60,090	34,850	5,610	650	47	20	170	126	121	49
19 20	India Kenya	4,890 8,000	2.460 10,130	3,710 2,520		33	30 13	137 102	90 67	45	•
			10,130			• • •					
21 22	Nigeria China	19,830		4,240 2,500			25 6	139 69	85 38	98	
	China Haiti	12,520		2,300 7,410		20	17	141	94	69	•
	Benin	28,570		2,600		34	10	155	111	89	3.5
25	Central African Rep.	44,740	25,930	2,460			15	139	106	74	
26	Ghana	12,910	22.970	690	1,670	73	17	111	83	55	36
27	Pakistan	4,310	2,940	6,600	5,040	24	25	142	97	61	57
28	Togo	28,860		1,590			20	134	87	79	14
29 30	Guinea Nicaragua	50,010 2,150	1,450	3,720	• •	• •	18 15	181 106	136 56	125 45	• •
			1,450								
31 32	Sri Lanka	5,900 17,960		1,280 3,740		87 23	28 10	53 165	18 119	14	45 30
33	Mauritania Yemen, Rep.	34,790		3,740	• •	23	10	175	109	104	
34	Honduras	3,770	3,090	1,470		50	20	110	49	27	2
35	Lesotho	30,400		3,860		28	10	134	81		27
36	Indonesia	26,820	7,030	4,810		43	14	118	74	36	14
37	Egypt, Arab Rep.	1,900	1,320	2,320	490	24	7	158	59	33	13
38	Zimbabwe	6,300	7,180	640	1,000	69	15	96	48	37	12
39 40	Sudan Zambia	14,520 13,640	11,290	990 1,730	600	20	15 14	149 106	101 106	84 86	5.
-		· · · · · · · · · · · · · · · · · · ·									•
	dle-income economies ower-middle-income	3,640 w 5,000 w	2,060 w 2,850 w	1,640 w 1,300 w			•	80 w 87 w	38 w 42 w		
41	Bolivia	2,020		3,070		36	15	153	83	59	18
42	Côte d'Ivoire	15,520		1,930		20	14	135	95	50	12
43	Senegal Dhilimina	15,810	17,650	1,670		• •	10	135	81	99 27	22 19
44 45	Philippines Papua New Guinea	9,270 11,640	8,120 12,870	2,690 1,710	1,180	34	18 25	66 112	41 55	79	
	-						13	126	64	67	
46 47	Cameroon Guatemala	28,920 3,660	12,190 · ·	2,560	1,690	19	10	100	60	41	34
48	Dominican Rep.		• • •	1,400		57	16	90	54	24	Ĭ.
49	Ecuador	2,910	980	2,680	620	27	10	100	47	21	3
50	Morocco	13,090	4,840		1,050		9	128	57_	43	12
51	Jordan	2,480	770	870	500	75	7		29	18	
52	Tajikistan		350					100	50	24	:.
53 54	Peru El Salvador	1,920 4,100	• •	890		55 35	15	108 103	53 42	32 28	1:
55	Congo	9,510	• •	780			12	126	115		24
	•					_	9	96	37	25	
56 57	Syrian Arab Rep. Colombia	3,860 2,260	1,1 60	1,790	<i>870</i>	37 51	15	90 77	23	11	i.
58	Paraguay	2,300		2.210		22	6	57	35	22	
59	Uzbekistan		280					::	44	20	
60	Jamaica	2,630		530		89	8	43	15		
61	Romania	840	560	430		99	6	49	27	19	
62	Namibia		4,620	<u> </u>		;;	• •	118	72	::	
63	Tunisia	5,930	1,870	940	300	60	7	127	38	21	I
	Kyrgyzstan	8,290	280	1,170	550	33	12	73	40 27	20 22	20
64 65	Thailand	¥ 7081	5,000	1 1 // 1	22/1						

			Populatio	•		Births attended by health staff	Babies with low birth weight	(per 1,	riality rate 000 live	Years of life loss per 1,000	Prevalence of malnutrition
		1970 Phys	1990	Nursing 1970	1990	(percent) 1985	(percent) 1985	1970	1991	population 1990	(under 5) 1990
67	Azerbaijan		250						33	16	
68	Turkmenistan		290	:.		-:		.1.2	56	29	
69	Turkey	2,230	1,260	1,010		78	7	147	58	31	
70 71	Poland Bulgaria	700 540	<i>490</i> 320	250 240		100	8	33 27	15 17	16 15	• •
72	Costa Rica	1,620	1.030	460	• •	93	9	62	14		• •
73	Algeria	8,100	2,330	400	330		9	139	64	27	
74	Panama	1,660	840	1,560		83	8	47	21		25
75	Armenia		250	:::		: <u>:</u>	• <u>•</u>	-:	22	14	• :
76	Chile	2,160	2,150	460	340	97	7	78	17	13	2
77 78	Iran, Islamic Rep. Moldova	3,270	3,140 250	1,780	1,150		9	131	68 23	32 19	
79	Ukraine		230			• •		• •	18	16	
80	Mauritius	4,190	1,180	610		90	9	60	19		24
81	Czechoslovakia	470	310	170		100	6	22	- 11	16	
82	Kazakhstan		250						32	19	
83	Malaysia	4,310	2,700	1,270	380	82	9	45	15	15	24
U	pper-middle-income	1,740 w	640 w	2,010 w			. 10	72 w	34 w		_
84	Botswana	15,220	5,150	1,900		52	8	101	36		15
85	South Africa		1,750	300			12	79	54	40	
86	Lithuania	510	220	210					14	19	
87 88	Hungary Venezuela	510 1,120	340 <i>630</i>	210 440	330	99 82	10 9	36 53	16 34	15 13	
89	Argentina	530		960			6	52	25	12	
90	Uruguay	910		900	• •		8	46	21	15	
91	Brazil	2,030		4,140		73	š	95	58	26	1 <u>3</u>
92	Mexico	1,480		1,610			15	72	36	17	14
93	Belarus		250						15	14	
94	Russian Federation		210					::	20	17	
95 96	Latvia Trinidad and Tohaga	2,250	200	190	• •	90	• •	23 44	16 19	_ • •	· .
90 97	Trinidad and Tobago Gabon	5,250 5,250	• •	570		90 92	16	138	95	• •	25
98	Estonia		210					20	14		
99	Portugal	1,110	490	820			8	56	11	12	
100	Oman	8,380	1,060	3,420	400	60	14	159	31		• • •
101	Puerto Rico	::		:::		1.1	• :	29	14	10	
102	Korea, Rep.	2,220	1,370	1,190		65	9	51	16	10	
103	Greece	620	580	990	420		6	30	10	10	• • •
104 105	Saudi Arabia Yugoslavia	7,460 1,000	660 530	2,070 420	420 110	78	6 7	119 56	32 21	37 16	• •
	v- and middle-income	10,260 w	4,970 w	4,640 w		• • •		102 w	61 w	10	
	ub-Saharan Africa	31,730 w	23,540 w	3,460 w				144 w	104 w		
E	ast Asia & Pacific	15,760 н	6,170 w	2,720 w				76 w	42 w		
	outh Asia	6,120 w	2,930 w	10,150 w				138 w	92 w		
	urope and Central Asia Iiddle East & N. Africa	1,070 w	420 w 2,240 w	520 w 1,940 w	• •			63 w 135 w	26 w 60 w		
	atin America & Caribbean	6,410 w 2,020 w	1,180 w	2,640 w				82 w	44 w		
	everely indebted	2,910 w	1.680 w	2,330 w	• • •			85 w	48 w		
	h-income economies	710 w	420 w	2,330 W				20 w	8 w		
	DECD members	710 w	420 w	220 w				20 w	8 w		
106	Ireland	980	630	160			4	20	8	11	
	†Israel	410		100		99	7	25	9	9	
108	New Zealand	870		150		99	5	17	9	11	
109	Spain	750	280			96	• •	28	8	10	
	†Hong Kong	1,510		560			4	19	7	7	• •
	†Singapore	1,370	820	250		100	7	20	6	9	
112 113	United Kingdom Australia	810 830		240		98 99	7 6	19 18	7 8	12 9	• •
114	Italy	550	210	• •	• •		7	30	8	10	• • •
115	Netherlands	800	410	300	• • •		4	13	7	10	
116	Belgium	650	310			100	5	21	8	11	
117	Austria	540	230	300	70		6	26	8	11	
118	France	750	350	270			5	18	7	10	
119	Canada	680	450	140		99	6	19	7	9	
120	United States	630	420	160	··	100	7	20	9	11	• •
121	Germany	580 ^a	370ª	• •			5ª	23	7	12	• •
122 123	Denmark Finland	690 960	<i>390</i> 410	130	• •	• •	6 4	14 13	8 6	12 11	
124	Norway	720	410	160		100	4	13	8	10	
125	Sweden	730	370	140		100	4	11	6	11	• • • • • • • • • • • • • • • • • • • •
	Japan	890	610	310		100	5	13	5	8	
126		700	630				5	15	7	10	
126 127	Switzerland	700									
		7,640 w	3,980 w	3,940 w	, .			85 w	53 w	, -	

Table 29. Education

		_	Prin			of age grou	-	ndary					ary net Ilment	Driman	y pupil/
		To		Fem	nale	To	_		nale	Teniar	r (total)		iimeni rcent)		y pupu er ratio
		1970	1990	1970	1990	1970	1990	1970	1990	1970	1990	1975	1990	1970	1990
	-income economies	74 w	105 w		98 w	21 w	41 w		34 w	2 w				36 w	38 1
	hina and India ther low-income	83 w 55 w	119 w 79 w	44 w	109 w 73 w	25 w 13 w	46 w 28 w	w	38 w 24 w	1 w 3 w	4 w		72 w	34 w 39 w	38 r
		47					7		5	0			41	69	58
1 2	Mozambique Tanzania	34	58 63	27	48 63	5 3	4	2	3 4		ò		41 47	47	35
3	Ethiopia	16	38	10	30	4	15	2	12	Ö	ĭ		28	48	36
4	Uganda	38	76	30	::	4	13	2	• :	1	1			34	35
5	Bhutan	6	26	1	20	1	5	0	2	0	• •	• •	• •	21	37
6	Guinea-Bissau	39	59	23	42	.8	7	6	.4	0	0	59	::	45	
7 8	Nepal Burundi	26 30	86 72	8 20	57 64	10 2	30 5	3 i	17 4	3 1	6 1		64	22 37	37 67
9	Chad	35	57	17	35	2	7	0	3		1			65	67
10	Madagascar	90	92	82	90	12	19	ğ	18		3		64	65	40
11	Sierra Leone	34	48	27	39	8	16	5	12	1	1			32	34
12	Bangladesh	54	73	35	68		17		11	3	3		65	46	63
13	Lao PDR	53	104	40	91	3	26	2	21	1	!		69	36	28
14 15	Malawi Rwanda	68	71 69	60	64 68	· · ·	4 7	i	3 6	1	1 1	• •	54 65	43 60	64 57
								_				• •			
16	Mali Bushina Faso	22 13	24 36	15 10	17 28	5 1	6 7	2 1	4 5	Ö	i	• •	19 29	40 44	42 57
17 18	Burkina Faso Niger	13	36 29	10	28 21	i	7	1	4	0	1		25	39	42
19	India	73	97	56	83	26	44	15	33	6				41	61
20	Kenya	58	94	48	92	9	23	5	19	1	2	88		34	31
21	Nigeria	37	72	27	63	4	20	3	17	2	3			34	41
22	China	89	135		129	24	48		41	i	2		100	29	22
23	Haiti	53	::		• • • • • • • • • • • • • • • • • • • •	6	::	4	٠;	• :	٠.			47	21
24 25	Benin Central African Rep.	36 64	61 67	22 41	44 51	5 4	11 <i>11</i>	3 2	6 6	2 1	3 2	• •	52 55	41 64	35 90
	•											• •			29
26 27	Ghana Pakistan	64 40	75 37	54 22	67 26	14 13	39 22	8 5	<i>31</i> 13	2	2 3	• •	• •	30 41	29 41
28	Togo	71	103	44	80	7	22	3	10		3		72	58	59
29	Guinea	33	37	21	24	13	10	5	5	5	1		26	44	40
30	Nicaragua	80	98	81	101	18	38	17	44	14		65	75	37	33
31	Sri Lanka	99	107	94	105	47	74	48	77	3	4				
32	Mauritania	14	51	8	42	2	16	0	10		4			24	49
33 34	Yemen, Rep.	22 87	100	7 8 7	109	3 14		13			9		• •	35	
3 4	Honduras Lesotho	87 87	108 107	101	115	7	26	7	31	2	5		70	46	55
		80	117	73	114	16	45	11	41			72	98	29	23
36 37	Indonesia Egypt, Arab Rep.	72	98	73 57	90	35	82	23	71	18	19			38	25
38	Zimbabwe	74	117	66	116	7	50	6	46	1	5				36
39	Sudan	38	49	29	1:	7	20	4		2	3			47	34
40	Zambia	90	93	80	91	13	20	8	14	2	2		80	47	44
	dle-income economies ower-middle-income	94 w 93 w	103 w 100 w	88 w 83 w	99 w 97 w	33 w 31 w	126 w	28 w 24 w	59 w 57 w	14 w 12 w	16 w 16 w	• •	89 w 87 w	33 w 33 w	25 i 25 i
_			•				<u>-</u>					72			
41 42	Bolivia Côte d'Ivoire	76 58	82	62 45	78	24 9	34	20 4	31	17 3	23	73	82	27 45	25 36
43	Senegal	41	 58	32	49	10	16	6	11	3	· ;		 48	45	58
44	Philippines	108	111		110	46	73		<i>75</i>	3	27	95	99	29	33
45	Papua New Guinea	52	71	39	65	8	12	4	10	2			73	30	32
46	Cameroon	89	101	75	93	7	26	4	21	2	4	69	75	48	51
47	Guatemala	57	79	51	::	8		8		8		53		36	• :-
48 49	Dominican Rep.	100 97	95	100 95	96	21 22		23		37	20	78	• •	55 38	47
50	Ecuador Morocco	52	68	36	 55	13	 36	23 7	30	6	10	47	55	34	27
														39	17
51 52	Jordan Tajikistan						• •								
53	Peru	107	126	99		31	70	27		19	36		95	35	28
54	El Salvador	85	<i>7</i> 8	83	<i>7</i> 8	22	26	21	26	4	17		70	36	40
55	Congo	• •	• •	• •	• •	· · ·	• •		•••		6			62	66
56	Syrian Arab Rep.	78	109	59	102	38	52	21	43	18	20	87	98	37	25
57	Colombia	108	110	110	111	25 17	52 30	24 17	<i>57</i> 30	10 9	<i>14</i> 8	83	<i>73</i> 95	38 32	30 25
58 59	Paraguay Uzbekistan	109	107	103	106				50						43
60	Jamaica	119	105	119	105	46	60	45	63	· ;	. 5	90	99	47	37
61	Romania	112	91	113	96	44	92	38	90	11	9				
	Namibia	112	91 94		90 99		92 34		38				64	47	28
h2		100	116	79	109	23	45	13	40	5			95	••	
	Tunisia	100	110												
62 63 64 65	Kyrgyzstan Thailand	83	85	 79	85	 17	32	15	32	13	 16			35	18

			Prin		Percentage	nj uge grou	Secon		m .				ary net		
			tal		nale	To		•	nale	Tertiar	v (total)		llment cent)		y pupil/ er ratio
		1970	1990	1970	1990	1970	1990	1970	1990	1970	1990	1975	1990	1970	1990
67	Azerbaijan														
68 69	Turkmenistan	110	110	94	106	27	54	15	42		14		99		
70	Turkey Poland	110 101	110 98	99	105 98	62	82	65	42 84	6 18	14 22	96	99 97	38 23	30 16
71	Bulgaria	101	96	100	95	79	74		75	16	31	96	85	22	15
72	Costa Rica	110	102	109	101	28	42	29	43	23	26	92	87	30	32
73	Algeria	76	95	58	88	11	60	6	53	6	12	77	88	40	28
74	Panama	99	107	97	105	38	59	40	62	22	21	87	92	27	20
75 76	Armenia Chile	107	98	107	97	39	74	42	77	13	19	94	86	50	29
77	Iran, Islamic Rep.	72	112	52	106	27	56	18	47		6		94	32	28
78	Moldova														
79	Ukraine								- :					15	8
80 81	Mauritius	94 98	106 93	93 98	104 93	30 31	52 84	25 39	<i>53</i> 87	1 17	2 18	82	92	32 20	21 19
	Czechoslovakia	90	93	- 98	93		04	39	0/					20	19
82 83	Kazakhstan Malaysia	87	93	84	93	34	56	28	58	4	· '			31	20
	pper-middle-income	95 w	106 w	93 w	105 w	35 w	54 w	31 w		15 w	17 w	80 w	91 w	34 w	25 н
84	Botswana	65	110	67	112	7	46	6	47	1	3	58	91	36	32
85	South Africa	99		99		18		17						34	
86	Lithuania														
87	Hungary	97	94	97	94	63	79 25	55	79	13	15		90	18	12
88	Venezuela	94	92	94	94	33	35	34	41	21	29	81	61	35	23
89 90	Argentina Uruguay	105 112	111 106	106 109	114 106	44 59	 77	47 64	• •	22 18	50	96		19 29	19 23
91	Brazil	82	108	82		26	39	26		12	12	7i	88	28	23
92	Mexico	104	112	101	110	22	53	17	53	14	14		98	46	31
93	Belarus														
94	Russian Federation														
95 96	Latvia Trinidad and Tobago	106	95	107	96	42	80	44	82	5	6	87	90	34	26
97	Gabon	85		81		8		5			4			46	
98	Estonia														
99	Portugal	98	119	96	117	57	59	51	59	11	18	91	99	34	14
100	Oman	3	103	1	99	<u>.</u> :	54		48		5	32	84	18	28
101 102	Puerto Rico	117 103	108	103	110	71 42	 87	32	85	16	39	 99	100	30 57	36
102	Korea, Rep. Greece	103	100	106	101	63	99	55	97	17	29	97	96	31	21
104	Saudi Arabia	45	78	29	72	12	48	5	41	7	14	42	62	24	16
105	Yugoslavia	106	95	103	95	63	79	58	79	22	18			27	23
	- and middle-income	79 w	104 w	64 w	98 w	24 w	61 w	18 w	39 w	6 w	7 w		91 w	35 w	35 ×
	ub-Saharan Africa ast Asia & Pacific	46 w 88 w	68 w 127 w	36 w 77 w	61 w 123 w	6 w 24 w	17 w 49 w	4 w	16 w 44 w	1 w	2 w 5 w		46 w 100 w	43 w 30 w	41 × 23 ×
	outh Asia	67 w	88 w	50 w	75 w	25 w	39 w	14 w	29 w	3 w	3 W		67 w	42 w	58 v
	urope and Central Asia	105 w	101 w	100 w	100 w	50 w	71 w	44 w	70 w	14 w	16 w	1.7	89 w	27 w	19 >
	liddle East & N. Africa	68 w	97 w	50 w	90 w	24 w	365 w	15 w	50 w	10 w	12 w		85 w	35 w	26 1
	atin America & Caribbean	95 w	107 w	94 w	106 w	28 w	49 w	26 w	57 w	15 w	16 w		88 w	34 w	26)
	everely indebted	90 w	104 w	85 w	98 w	31 w	209 w	27 w	56 w	14 w	15 w	78 w	88 w	32 w	25 v
	h-income economies ECD members	106 w 106 w	104 w 104 w	106 w 106 w	104 w 104 w	73 w 74 w	92 w 93 w	71 w 73 w	96 w 96 w	36 w	33 w 33 w	88 w 88 w	97 w 97 w	26 w 26 w	17 » 17 »
106	Ireland	106	100	106	101	74	98	77	102	20	26	91	88	24	27
	†Israel	96	93	95	95	57	83	60	86	29	33			17	18
108	New Zealand	110	106	109	105	77	89	76	91	29	41	100	100	21	19
109	Spain	123	109	125	108	56	107	48	112	24	34	100	100	34	21
	†Hong Kong	117	106	115		36		31		11		92		33	
111 112	†Singapore United Kingdom	105 104	110 107	101 1 04	109 107	46 73	69 84	45 73	71 85	20	8 25	100 97	100 100	30 23	26 20
113	Australia	115	105	115	105	82	83	80	85	25	35	98	97	28	17
114	Italy	110	97	109	96	61	79	55	<i>78</i>	28	31	97		22	12
115	Netherlands	102	117	102	118	75	103	69	101	30	34	92	100	30	13
116	Belgium	103	102	104	103	81	104	80	104	26	37		99	20	10
117 118	Austria France	104 117	103 111	103 117	102 110	72 74	83 99	73 77	85 100	23 26	33 40	89 98	93 100	21 26	11 12
119	Canada	101	105	100	104	65	106	65	107	42	70		96	23	15
120	United States		105		104		92		91	56	75	72	99	27	
121	Germany		105		105		97		103		32		87		18
122	Denmark	96	98	97	98	78	109	75	110	29	32			 9	11
123 124	Finland Norway	82 89	99 99	79 94	99 99	102 83	114 100	106 83	124 102	32 26	47 43	100	100 98	22 20	18 6
125	Sweden	94	107	94 95	107	86	91	85	93	31	33	100	100	20 20	6
126	Japan	99	101	99	101	86	96	86	97	31	31	99	100	26	21
127	Switzerland									18	26				
887	rld	83 w	104 w	71 w	99 w	31 w	65 w	28 н	46 w	13 w	11 w		92 w	33 w	33 1
WOI															

Table 30. Income distribution and PPC estimates of GDP

				e of income of				United Stat	es = 100	Current interi	rational dolla
	Year	Lowest 20 percent	Second quintile	Third quintile	Fourth quintile	Highest 20 percent	Highest 10 percent	1987	1991	Observed a	Regression
ome economies and India low-income	zeur	20 percen	читине	quinite	quinine	20 регсен	торенсени	1707	1991	Observed	Regression
ozambique nzania niopia	1991 d.e 1981–82 d.g	2.4 8.6	5.7	10.4 16.4	18.7 21.1	62.7 41.3	46.5 27.5	2.7° 2.5 1.9	2.7° 2.6 1.7	570 f 370 f	600 640 620
anda utan	1989-90 d.e	8.5	12.1	16.0	21.5	41.9	27.2	4.7° 2.8°	5.1 c 2.8 c		1,120 620
inea-Bissau pal rundi	1984-85 h.i	9.1	12.9	16.7	21.8	39.5	25.0	3.1° 4.8° 3.2°	3.1° 5.1° 3.3°		690 1,130 720
ad dagascar								2.9° 3.6	3.3 c 3.2	710 ^f	730 1,120
erra Leone						• •		3.5	3.6	800 f	1,190
ngladesh o PDR alawi	1988-89 d.e	9.5	13.4	17.0	21.6	38.6	24.6	5.0 8.3° 3.5	5.2 8.7° 3.6	1,160 f 800 f	990 1,930 570
vanda	1983-85 d.e	9.7	13.1	16.7	21.6	38.9	24.6	3.9	3.1	680 f	7 5 0
ali rkina Faso ger		• •						2.3 3.4° 3.9°	2.2 3.4 c 3.6 c	480 f	730 750 790
lia nya	1989-90 d.e 1981-83 j.k	8.8 2.7	12.5 6.4	16.2 11.1	21.3 18.9	41.3 60.9	27.1 45.4	4.6 6.1	5.2 6.1	1,150 f 1,350 f	1,900 1,490
geria ina iti	1990 ^{h,i}	6.4	11.0	16.4	24.4	41.8	24.6	5.5 6.5 6.7°	6.1 7.6 5.5°	1,360 f 1,680 l	1,900 2,040 1,220
nin ntral African Rep.						• •	11	7.3 5.5 c	6.8 4.9°	1,500 f	1,180 1,090
ana kistan go	1988-89 d.e 1991 d.e	7.0 8.4	11.3 12.9	15.8 16.9	21.8 22.2	44.1 39.7	29.0 25.2	8.9° 8.3 6.4°	9.0° 8.9 5.9°	1,970 f	2,000 1,570 1,310
inea caragua								15.5 °	11.5°		2,550
Lanka auritania	1985-86 h.i	4.9	8.4	12.4	18.2	56.2	43.0	11.0 6.9¢	12.0 6.3°	2,650 f	2,580 1,390
men, Rep. Induras sotho	1989 ^{h,i} 1986-87 ^{h,i}	2.7 4.5	6.0	10.2 10.0	17.6 17.6	63.5 61.3	47.9 45.0	8.5 7.2°	8.2 8.5 c	1,820 m	2,670 1,890
lonesia ypt, Arab Rep. mbabwe	1990 d.e	8.7	12.1	15.9	21.1	42.3	27.9	10.5 16.3 9.2	12.3 16.3 9.8	2,730 m 3,600 f 2,160 f	2,720 3,140 2,580
dan mbia								5.3	4.6	1,010 f	1,010
income economic r-middle-income										t .	3
livia te d'Ivoire negal	1988 d.e	7.3	11.9	16.3	22.3	42.2	26.9	9.6 9.1 7.9	9.8 6.8 7.6	2,170 ^m 1,510 ^f 1,680 ^f	2,260 1,680 1,600
ilippines pua New Guinea	1988 ^{d.e}	6.5	10.1	14.4	21.2	47.8	32.1	10.8 8.8¢	11.0 8.3¢	2,440 f	2,900 1,830
meroon iatemala ominican Rep.	1989 ^{h.i} 1989 ^{h.i}	2.1 4.2	5.8 7.9	10.5 12.5	18.6 19.7	63.0 55.6	46.6 39.6	15.1 14.4 15.5	10.8 14.4 13.9	2,400 f 3,180 m 3,080 m	1,970 2,600 3,040
uador orocco	1990-91 ^{d.e}	6.6	10.5	15.0	21.7	46.3	30.5	17.8 13.8	18.7 15.1	4,140 ^m 3,340 ^f	3,950 2,800
rdan jikistan								29.3° 11.9	22.0° 9.9	2,1801	4,870
ru Salvador Ingo	1985-86 ^{a.e}	4.9 	9.2	13.7			35.4	19.7 9.5 13.1	14.1 9.5 12.7	3,110 ^m 2,110 ^m 2,800 f	2,930 2,750
rian Arab Rep. olombia	1988 ^{h,i}	4.0	8.7	13.5	20.8	53.0	37.1	20.9 23.7 14.9	23.6 24.7 15.5	5,220 n 5,460 m 3,420 m	4,630 4,080 2,900
raguay	1990 d.e	6.0	9.9	14.5	21.3	48.4	32.6	12.1 15.1	12.6 16.6	2,790 ¹ 3,670 ⁿ	4,050
raguay :bekistan maica								42.3	31.2	6,900 n	
bekistan			10.4	15.3	22.1	46.3	30.7	20.2	21.2	4,690 f	3,780
bekistan maica mania	1990 ^{d.e} 1988 ^{d.i}	5.9 6.1	9.4	13.5	20.3	50.7	35.3	14.2 17.1	14.8 23.8	3,280 ¹ 5,270 ^f	3,740
jik ru Sa ng ria	istan Ivador o n Arab Rep. mbia uuay kistan ica	istan 1985-86 d.e Ivador o n Arab Rep. mbia 1988 h.i uay kistan ica 1990 d.e ania	istan 1985-86 d.e 4.9 Ivador o n Arab Rep mbia 1988 h.i 4.0 yeavy kistan ica 1990 d.e 6.0	1985-86 d.e 4.9 9.2 1985-86 d.e 4.9 1985-86 d.e 1985-86 d.e 4.9 1985-86 d.	1985-86 d.e 4.9 9.2 13.7 1985-86 d.e 4.9 9.2 1985-86 d.e 4.9 9.2 13.7 1985-86 d.e 4.9 9.2 13.7 1985-86 d.e 4.9 9.2 13.7 1985-86 d.e 4.9 9	1985-86 d.e 4.9 9.2 13.7 21.0	1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 51.4 1985-86 d.e 4.9 9.2 13.7 21.0 1985-86 d.e 4.9 9.2 13.7 1985-86 d.e 4.9 9.2 13	1985-86 d.e 4.9 9.2 13.7 21.0 51.4 35.4 19ador	1985-86 d.e 4.9 9.2 13.7 21.0 51.4 35.4 19.7	istan 1985–86 d.e 4.9 9.2 13.7 21.0 51.4 35.4 19.7 14.1 19.0 9.9 19.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	istan 1985–86 d.e 4.9 9.2 13.7 21.0 51.4 35.4 19.7 14.1 3,110 10

			Per	centage shar	e of income o	r consumptio	n				of GDP per cap	
			Lowest	Second	Third	Fourth	Highest	Highest	United Sta		Current interi	
		Year	20 percent	quintile	quintile	quintile	20 percent	10 percent	1987	1991	Observed ^a	Regression
	Azerbaijan								20.2	16.6	3,670	
	Turkmenistan Turkey								17.3 21.0	16.0 21.9	3,540 ¹ 4,840	3,950
	Poland	1989 h,i	9.2	13.8	17.9	23.0	36.1	21.6	24.8	20.3	4,500 f	4,720
	Bulgaria	1707				20.0			31.1°	22.5 c		4,980
72 C	Costa Rica	1989 h.i	4.0	9.1	14.3	21.9	50.8	34.1	22.5	23.0	5,100 m	4,320
	Algeria			2.1	:	• • •		:	28.6°	25.5°		5,640
	Panama	1989 h.i	2.0	6.3	11.6	20.3	59.8	42.1	25.6	22.2	4,910 ^m	5,030
	Armenia Chile	1989 h.i	3.7	6.8	10.3	16.2	62.9	48.9	24.3 27.3	20.8 31.9	4,610 ¹ 7,060 ^m	5,380
	ran, Islamic Rep.	1707				10.2	02.7	- 40.7	22.1	21.1	4,670 f	6,760
	Moldova								23.1	21.0	4,6401	0,700
79 l	Jkraine								25.7	23.4	5,1801	
	Mauritius								40.8	50.5	11,180 f	5,480
	Czechoslovakia								35.0°	28.4 °		6,280
	Kazakhstan	1989 h.i	1.6	0 2	12.0	20.4	53.7	37.9	23.0 26.5	20.3 33.4	4,490 ¹ 7,400 ⁿ	6,530
	Malaysia	1989	4.6	8.3	13.0	20.4	33.1	31.9	20.3	33.4	7,400"	0,330
	per-middle-income	1005 064 0		1.6	0.4	10.2	(()	40.6	16.7	21.2	4 600 f	4.000
	Botswana South Africa	1985-86 ^{d.g}	1.4	4.6	9.4	18.2	66.4	49.6	16.7	21.2	4,690 f	4,080
	Lithuania								29.4	24.4	5,4101	
	Hungary	1989 h,i	10.9	14.8	18.0	22.0	34.4	20.8	31.9	27.5	6,080 f	5,260
	<u>Venezuela</u>	1 <u>989 h.i</u>	4.8	9.5	14.4	21.9	49.5	33.2	36.3	36.7	8,120 m	6,990
	Argentina								25.6	23.1	5,120 m	5,840
	Jruguay		<i>:</i> :	::				-: :	30.4	30.1	6,670 m	5,690
	Brazil	1989 ^{h.i} 1984 h.i	2.1	4.9	8.9	16.8	67.5	51.3	26.0	23.7	5,240 m	4,180
	Mexico Belarus	1904	4.1	7.8	12.3	19.9	55.9	39.5	31.4 29.7	32.4 31.0	7,170 ⁿ 6 <u>,8</u> 50 ⁱ	5,190
	Russian Federation								35.2	31.3	6,9301	
	Latvia								37.2	34.1	7,540 ¹	• •
	Frinidad and Tobago								42.5°	37.9¢		8,380
97 (Gabon											
	Estonia								45.8	. 36.6	8,090 ¹	
	Portugal								35.9	42.7	9,450	7,730
	Oman Dan Dian								38.5 °	40.6°		8,990
	Puerto Rico Korea, Rep.								44.7° 28.6	49.3° 37.6	8,320 f	10,920 10,070
	Greece								33.8	34.7	7,680	9,700
	Saudi Arabia								45.1°	49.0°		10,850
05	Yugoslavia	1989 h.i	5.3	10.7	16.2	23.7	44.2	27.4	28.4¢			
	and middle-income											
	-Saharan Africa t Asia & Pacific											
	th Asia & Pacific											
	ope and Central Asia											
Mid	ldle East & N. Africa											
	in America & Caribbean	-										
	ely indebted											
	income economies CD members											
	reland			9 / 1 / 100	e made or a con-	A 100 A 100			42.3	51.6	11,430	15,060
07 †I		1979 j.k	6.0	12.1	17.8	24.5	39.6	23.5	60.2	60.8	13,460 ^m	12,980
	New Zealand	1981-82 j.k	5.1	10.8	16.2	23.2	44.7	28.7	68.0	63.1	13,970	12,660
09 5	Spain	1980-81 j.k	6.9	12.5	17.3	23.2	40.0	24.5	50.5	57.3	12,670	13,760
	Hong Kong	1980 j.k	5.4	10.8	15.2	21.6	47.0	31.3	74.0	83.7	18,520 f	14,470
	Singapore	1982-83 j.k	5.1	9.9	14.6	21.4	48.9	33.5	57.1°	71.2¢		15,760
	United Kingdom	1979 j.k	5.8	11.5	18.2	25.0	39.5	23.3	73.0	73.8	16,340	15,470
	Australia Italy	1985 j.k 1986 j.k	4.4 6.8	11.1 12.0	17.5 16.7	24.8 23.5	42.2 41.0	25.8 25.3	76.7 71.4	75.4 77.0	16,680 17,040	15,820 15,960
	Netherlands	1980 j.k 1983 j.k	6.9	13.2	17.9	23.3	38.3	23.3	70.0	77.0 76.0	16,820	19,110
	Belgium	1978-79j.k	7.9	13.7	18.6	23.8	36.0	21.5	71.5	79.1	17,510	18,470
4									72.6	79.9	17,690	17,850
17 /	Austria		6.3	12.1	17.2	23.5	40.8	25.5	78.1	83.3	18,430	18,990
18 I	France	1979 j.k							00.7	07.2	10.330	10 270
18 I 19 (France Сапаda	1987 j.k	5.7	11.8	17.7	24.6	40.2	24.1	90.7	87.3	19,320	19,370
18 1 19 (20 1	France Canada United States	1987 j.k 1985 j.k	5.7 4.7	11.0	17.4	25.0	41.9	25.0	100.0	100.0	22,130	22,130
18 1 19 (20 1 21 (France Canada <u>United States</u> Germany	1987 j.k 1985 j.k 1984 j.k	5.7 4.7 6.8	11.0 12.7	17.4 17.8	25.0 24.1	41.9 38.7	25.0 23.4	100.0 80.5	100.0 89.3	22,130 19,770	22,130 21,130
18 1 19 0 20 1 21 0 22 1	France Canada United States Germany Denmark	1987 j.k 1985 j.k 1984 j.k 1981 j.k	5.7 4.7 6.8 5.4	11.0 12.7 12.0	17.4 17.8 18.4	25.0 24.1 25.6	41.9 38.7 38.6	25.0 23.4 22.3	100.0 80.5 79.1	89.3 80.8	22,130 19,770 17,880	22,130 21,130 20,780
18 1 19 6 20 1 21 6 22 1 23 1	France Canada United States Germany Denmark Finland	1987 j.k 1985 j.k 1984 j.k 1981 j.k 1981 j.k	5.7 4.7 6.8 5.4 6.3	11.0 12.7 12.0 12.1	17.4 17.8 18.4 18.4	25.0 24.1 25.6 25.5	38.7 38.6 37.6	25.0 23.4 22.3 21.7	100.0 80.5 79.1 73.0	89.3 80.8 72.9	22,130 19,770 17,880 16,130	22,130 21,130 20,780 19,850
18 I 19 (20 I 21 (22 I 23 I 24 I	France Canada United States Germany Denmark Finland Norway	1987 j.k 1985 j.k 1984 j.k 1981 j.k 1981 j.k 1979 j.k	5.7 4.7 6.8 5.4 6.3 6.2	11.0 12.7 12.0 12.1 12.8	17.4 17.8 18.4 18.4 18.9	25.0 24.1 25.6 25.5 25.3	38.7 38.6 37.6 36.7	25.0 23.4 22.3 21.7 21.2	100.0 80.5 79.1 73.0 79.8	89.3 80.8 72.9 77.6	22,130 19,770 17,880 16,130 17,170	22,130 21,130 20,780 19,850 20,290
18 19 6 20 10 21 6 22 11 23 11 24 12 25 5	France Canada United States Germany Denmark Finland Norway Sweden	1987 j.k 1985 j.k 1984 j.k 1981 j.k 1981 j.k 1979 j.k 1981 j.k	5.7 4.7 6.8 5.4 6.3 6.2 8.0	11.0 12.7 12.0 12.1 12.8 13.2	17.4 17.8 18.4 18.4 18.9 17.4	25.0 24.1 25.6 25.5 25.3 24.5	41.9 38.7 38.6 37.6 36.7 36.9	25.0 23.4 22.3 21.7 21.2 20.8	100.0 80.5 79.1 73.0 79.8 80.3	89.3 80.8 72.9 77.6 79.0	22,130 19,770 17,880 16,130 17,170 17,490	22,130 21,130 20,780 19,850 20,290 19,510
18 19 6 20 10 21 6 22 12 23 12 24 12 25 5 26 13	France Canada United States Germany Denmark Finland Norway	1987 j.k 1985 j.k 1984 j.k 1981 j.k 1981 j.k 1979 j.k	5.7 4.7 6.8 5.4 6.3 6.2	11.0 12.7 12.0 12.1 12.8	17.4 17.8 18.4 18.4 18.9	25.0 24.1 25.6 25.5 25.3	38.7 38.6 37.6 36.7	25.0 23.4 22.3 21.7 21.2	100.0 80.5 79.1 73.0 79.8	89.3 80.8 72.9 77.6	22,130 19,770 17,880 16,130 17,170	22,130 21,130 20,780 19,850 20,290

a. Extrapolated from 1990 ICP estimates unless noted otherwise; b. See technical notes; c. Obtained from the regression estimates; d. Data refer to expenditure shares by fractiles of persons: e. Data ranked by per capita expenditure: f. Extrapolated from 1985 ICP estimates; g. Data ranked by household expenditure: h. Data refer to income shares by fractiles of persons: i. Data ranked by per capita income; j. Data refer to income shares by fractiles of households; k. Data ranked by household income; l. These values are subject to more than the usual margin of error (see technical notes); m and n are extrapolated, respectively, from 1980 and 1975 ICP estimates and scaled up by the corresponding US deflator.

Table 31. Urbanization

	As a na	Urban rcentage of	population Average annu	al arowth	Populati capital ci percenta	ty as a		m in cities of 1990, as a pe	l million or mo rcentage of	ore in
	total p	opulation	rate (per	cent)	Urban	Total	Urba		Tota	
	1970	1991	1970-80	1980-91	1990	1990	1965	1990	1965	1990
Low-income economies	18 w		3.7 w	• •	11 w	3 w 1 w	41 w 42 w	31 w 29 w	7 w	9 1
China and India Other low-income	18 w 18 w		3.2 w 4.7 w	5.0 w	3 w 27 w	1 w	38 w	35 w	8 w 6 w	10 1
1 Mozambique	6	28	11.5	10.1	38	10	68	38	3	10
2 Tanzania	7	34	12.7	10.1	21	7	38	18	2	6
3 Ethiopia	9	13	4.8	5.3	29	4	27	30	2	4
4 Uganda 5 Bhutan	8 3	11 6	3.6 4.1	4.5 5.7	41 22	4 1	• •		• •	
							• •		• •	• •
6 Guinea-Bissau 7 Nepal	15 4	20 10	5.8 7.3	3.7 7.3	36 20	7 2				
8 Burundi	2	6	7.7	5.7	81	4				
9 Chad	11	30	8.1	6.3	43	13				
10 Madagascar	14	25	5.3	6.2	23	6	• • •	<u>···</u>	• •	
11 Sierra Leone	18	33	5.2	5.3	52	17	50	47		
12 Bangladesh 13 Lao PDR	8 10	17 19	6.8 5.1	6.1 6.0	37 53	6 10	50	47	3	
14 Malawi	6	12	7.5	6.0	31	4				
15 Rwanda	3	8	8.1	7.6	56	4			٠. ,	
16 Mali	14	20	4.1	3.8	41	8				
17 Burkina Faso	6	9	4.3	5.2	51	5				
18 Niger 19 India	9 20	20 27	7.5 3.9	7.4 3.7	39 4	8 1	32	32	6	
20 Kenya	10	24	8.5	7.8	26	6	41	27	4	6
21 Nigeria	20	36	6.1	5.8	23	8	23	24	4	8
22 China	18	60	2.6		2	i	49	27	9	ğ
23 Haiti	20	29	3.5	3.8	56	16	47	56	8	16
24 Benin 25 Central African Rep.	18 30	38 48	8.4 4.5	5.1 4.8	12 52	4 24				
				-						· · ·
26 Ghana 27 Pakistan	29 25	33 33	2.7 4.4	4.1 4.6	22 1	7 0	· 27 44	22 42	7 10	7 13
28 Togo	13	26	6.4	6.6	55	14	44	42		
29 Guinea	14	26	4.8	5.6	89	23	47	88	5	23
30 Nicaragua	47	60	4.4	3.9	46	28	36	44	15	26
31 Sri Lanka	22	22	1.5	1.5	17	4				
32 Mauritania 33 Yemen, Rep.	14 13	48 30	10.4 7.0	7.3 7.3	83 11	39 3			• •	
33 Yemen, Rep. 34 Honduras	29	45	7.0 5.7	7.3 5.4	35	15				
35 Lesotho	- 9	21	7.1	7.0	17	4			- ::	
36 Indonesia	17	31	5.1	5.0	17	5	42	33	7	10
37 Egypt, Arab Rep.	42	. 47	2.5	3.2	37	17	53	52	22	24
38 Zimbabwe 39 Sudan	17	28	5.6	5.8 3.9	31 35	9 8	30	35	• •	
39 Sudan 40 Zambia	16 30	22 51	4.9 5.9	6.0	25	12				
Middle-income economie			3.7 w	3.2 w	25 w	14 w	40 w	40 w	17 w	24
Lower-middle-income	41 H		3.6 w	3.3 w	28 w	13 w	36 w	36 w	13 w	19
41 Bolivia	41	52	3.4	4.0	34	17	28	33	11	17
42 Côte d'Ivoire	27	41	7.5	4.7	45	18	30	45	.7	18
43 Senegal 44 Philippines	33 33	39 43	3.4 3.8	4.0 3.7	52 32	20 14	40 28	53 32	13 9	20 14
45 Papua New Guinea	10	16	5.3	4.3	33	5				
46 Cameroon	20	42	7.6	5.6	16	7				
47 Guatemala	36	40	3.3	3.5	23	9				
48 Dominican Rep.	40	61	4.9	3.9	52	31	46	51	16	31
49 Ecuador 50 Morocco	40 35	57 49	4.8	4.4	21 9	12 4	50 39	49	19 12	28 17
			4.1	4.3				36		
51 Jordan ^b 52 Tajikistan	50	69 32	5.7	5.7	46	31	33	38	15	26
53 Peru	57	71	4.0	3. i	41	29	37	41	19	29
54 El Salvador	39	45	2.9	2.1	26	11	• •			
55 Congo	33	41	4.0	4.7	68	28	• •		• •	
56 Syrian Arab Rep.	44	51	4.1	4.1	34	17	58	60	23	30
57 Colombia 58 Paraguay	57 37	71 48	3.3 4.2	2.9 4.4	21 48	15 23	38	39	20	27
58 Paraguay 59 Uzbekistan	3/	48 41	4.2	4.4	48		• •		• •	
60 Jamaica	42	53	2.6	2.1	52	27				
61 Romania	42	53	2.5	1.2	18	9	21	18	8	9
62 Namibia	19	28	4.9	5.1	36	10				
63 Tunisia	44	55	4.1	2.8	37	20	35	37	14	20
64 Kyrgyzstan 65 Thailand	13	38 23	5.4	4.6	56	13	66	57		13
	1.3	56	J. T	7.0				٠,	•	

		As a perce		population Average an	nual erowth	Popula capital c percen	city as a	Popular	ion in cities of 1990, as a pe	l million or me ercentage of	ore in
		total pop	ulation	rate (p	ercent)	Urban	Total	Urb		Тои	
		1970	1991	1970-80	1980-91	1990	1990	1965	1990	1965	1990
67	Azerbaijan Turkmenistan		54							• •	
68 69	Turkey	38	63	3.7	5.8		· <u>´</u>	41	35	14	22
70	Poland	52	62	2.0	1.3	ğ	6	32	28	16	18
71	Bulgaria	52	68	2.1	1.1	20	13	21	19	10	13
72	Costa Rica	40	48	3.6	3.7	72	34	62	72	24	34
73	Algeria	40	53	4.1	4.8	23	12	24	23	9	12
74	Panama	48	54	2.9	2.9	37	20				
75 76	Armenia Chile	75	68 86	2.4	2.2	42	36	39	42	28	36
77	Iran, Islamic Rep.	41	57	5.2	5.0	21	12	43	41	16	23
78	Moldova		47	3.2	5.0						
79	Ukraine		67								
80	Mauritius	42	41	1.7	0.5	36	15				
81	Czechoslovakia	55		2.7	1.7	11	8	15	11	8	8
82	Kazakhstan	<u>:</u>	57	<i>:</i> :	2.2			::		• :	::
83	Malaysia	27	44	5.0	4.8	22	10	. 16	22	4	10
	pper-middle-income	53 w	73 w	3.9 w	.3.0 w	21 w	15 w	46 w	44 w	23 w	32 1
84	Botswana	. 8	29	10.0	10.0	37	10	::		:	::
85	South Africa	48	60	3.8	3.8	10	6	40	30	19	18
86 87	Lithuania Hungary	46	68 62	2.0	1.i	33	20	43	33	19	20
88	Venezuela	72	85	5.0	2.7	25	21	34	29	24	27
89	Argentina	78	87	2.2	1.8	41	36	53	49	40	42
90	Uruguay	82	86	0.6	0.8	45	39	53	45	43	39
91	Brazil	56	76	4.1	3.3	2	2	48	47	24	35
92	Mexico	59	73	4.1	2.9	34	25	41	45	22	32
93	Belarus	• •	66		2.3			• •	•••		
94	Russian Federation		74	• •							
95 96	Latvia	39	71 70	5.0	3.3	12	8				
90 97	Trinidad and Tobago Gabon	26	47	8.3	6.0	57	26		• •	• •	• •
98	Estonia	20	72	6.5	0.0						
99	Portugal	26	34	2.6	1.4	48	16	44	46	11	16
100	Oman	5	ĩi	8.0	8.3	41	4				
101	Puerto Rico	58	75	3.1	1.9	53	39	46	54	24	40
102	Korea, Rep.	41	73	5.3	3.5	36	26	74	69	24	50
103	Greece	53	63	1.9	1.3	54	34	59	55	28	34
104	Saudi Arabia	49	78	8.4	6.1	17	13	23	29	9	23
105	Yugoslavia	35	• •	3.6	2.8	12	7	11	12	3	7
	- and middle-income ıb-Saharan Africa	25 w 16 w	46 w 29 w	3.7 w 5.8 w	6.3 w 5.8 w	15 w 33 w	6 w 9 w	41 w 30 w	33 w 30 w	10 w 4 w	13 1
	ast Asia & Pacific	19 w	52 w	3.2 w	11.1 w	10 w	4 w	47 w	30 w	9 w	10
	outh Asia	19 w	26 w	4.1 w	3.9 w	8 w	2 w	35 w	35 w	6 w	9 1
E	urope and Central Asia	44 w	64 w			16 w	9 w	31 w	28 w	12 w	16 1
	iddle East & N. Africa	41 w	55 w	4.5 w	4.5 w	26 w	14 w	43 w	41 w	17 w	22 1
	atin America & Caribbean	57 w	72 w	3.7 w	2.9 w	24 w	16 w	44 w	44 w	24 w	33 1
	erely indebted	54 w	68 w	3.7 w	3.0 w	21 w	14 w	41 w	42 w	21 w	29 1
	1-income economies	74 w	77 w	1.1 w	0.8 w	12 w	9 w	38 w	37 w	27 w	29 1
	ECD members	74 w	77 w	1.0 w	0.8 w	11 w	7 w	37 w	36 w	27 w	28 1
106	Ireland	52	57	2.2	0.5	46	26			34	::
107 108	†Israel New Zealand	84 81	92 84	3.2 1.4	2.3 0.8	12 12	11 10	43	45	34	41
109	Spain Spain	66	79	2.0	1.1	17	13	26	28	16	22
	†Hong Kong	90	94	2.6	1.5	101	95	90	99	81	93
	†Singapore	100	100	2.0	1.7	101	101	73	100	73	100
112	United Kingdom	89	89	0.1	0.2	14	13	33	26	28	23
113	Australia	85	86	1.6	1.5	2	1	60	59	50	51
114	Italy	64	69	0.9	0.6	8	5	42	37	26	25
115	Netherlands	86	89	1.1	0.6	8	7	18	16	16	14
116	Belgium	94 52	97 59	0.3	0.3	10	10	::		· ·	28
117 118	Austria France	32 71	39 74	0.7 0.9	0.9 0.6	47 20	27 15	51 30	47 26	26 20	28 19
119	Canada	76	77	1.2	1.2	4	3	37	39	27	30
120	United States	74	75	1.0	i.ī	2	1	49	48	35	36
121	Germany	80		0.3			1	19	15	15	13
122	Denmark	80	87	0.9	0.4	31	27	38	31	29	27
123	Finland	50	60	2.1	0.4	34	20	27	34	12	20
124	Norway	65	75	1.3	1.0	21	16			::	
125	Sweden	81	84	0.6	0.4	23	19	17	23	13	20
126	Japan Switzerland	71 55	77	1.8	0.6	19	15	37	36	25	27
127	awazenano	23	60	0.4	1.1	7	4				
127 Wor		35 w	51 w	2.7 w	4.7 w	14 w	6 w	40 w	34 w	14 w	16

Table 32. Women in development

				Hea	lth and we	lfare						Educa	tion			
		Under-5 moi	rtality rate	l ife es	peciancy:	at himb (v.	ears)	Maternal			of cohort o grad e 4		Fø	males per	i 00 male	, ,
		(per 1,000 l	ive births)			Mal		mortality (per	Fema		Ma.		Prim			ndar\ ^a
		Female	Male	Fem				100.000 live								
_	•	1991	1991	1970 54 w	1991	1970 53 w	1991	births) 1988	1970	1986	1970	1986	1970	1990 78 w	1970	1990 65 H
Ch	income economies ina and India her low-income	96 w 75 w 135 w	104 w 80 w 148 w	57 w 47 w	58 w 60 w 57 w	57 w 46 w	61 w 64 w 54 w	308 w 115 w 587 w	65 w	66 w	74 w	70 w	61 w	70 W 79 W 76 W	 44 w	65 H 66 H
	Mozambique	265	294	42	48	39	45	2.42					; <u>;</u>	76		61
	Tanzania Ethiopia	153 185	171 204	47 44	49 50	44 43	46 47	342	82 57	90 56	88 56	89 56	65 46	98 64	38 32	74 67
-	Uganda	175	195	51	47	49	46	550					65		31	
	Bhutan	200	188	41	49	39	47	1,305					5	59	3	41
	Guinea-Bissau	236	262	36	39	35	38						43	56	62	53
	Nepal Burundi	139	125 189	42 45	53 50	43 42	54 46	833	47	84	45	84	18 49	<i>47</i> 84	16 17	57
	Chad	169 197	219	40	49	37	46		• • •	77		81	34	44	9	22
-	Madagascar	156	174	47	52	44	50	333	65		63		86	97	70	99
11	Sierra Leone	341	377	36	45	33	40						67	70	40	56
	Bangladesh	136	130	44	52	46	53	600		43		43	47	81	1:	49
	Lao PDR	153	172	42	52 45	39	49	561		27		72	59	77 81	36	66
	Malawi Rwanda	185 209	205 234	41 46	45 48	40 43	44 45	350 300	55 63	67 76	60 65	72 75	59 79	99	36 44	<i>54</i> 56
	Mali	180	205	41	50	40	47	2.325	52	68	89	75	55	58	29	48
	Burkina Faso	189	209	42	50	39	46	810	71	86	68	84	57	62	33	50
18	Niger	303	337	40	48	37	44		75	93	74	78	53	57	35	42
	India	125	123	49	60	50	60		42		45	:::	60	71	39	55
	Kenya	97	113	52	61	48	57			78	84	76	71	95	42	78
21	Nigeria	177	195	43	53	40	50	800	64	32	66		59	76	49	74
	China Haiti	37 145	48 164	63 49	71 56	61 46	67 53	115 600		76		81		86 93		72 96
24	Benin	157	175	45	52	43	49	161	71		75		45		44	37
	Central African Rep.	122	136	45	50	40	45		67	81	67	85	49	63	20	38
26	Ghana	122	140	51	57	48	53	1,000	77		82		75	82	35	63
27	Pakistan	139	137	47	59	49	59	270	56		60		36	52	25	41
28	Togo	131	149	46	56	43	52	1 242	85	78	88	86	45	65	26	34
29 30	Guinea Nicaragua	215 59	239 72	37 55	44 68	35 52	44 64	1,247 300	48	77 62	45	87 59	46 101	46 104	26 89	31 138
31	Sri Lanka	19	25	66	74	64	69	80	94	97	73	99	89	93	101	105
32	Mauritania	188	209	41	49	38	45	800		83		83	39	69	13	45
33	Yemen, Rep.	148	166	42	52	41	52	330								
34	Honduras	54	66	55	68	51	63	221		::	-:	1.3	99	98	79	. : :
35	Lesotho	146	167	50	58	48	55	220	87	87	70	76	150	121	111	149
	Indonesia	102	120	49	61	46	58	450	67	82	89	99	84	93	59	82
37 38	Egypt, Arab Rep. Zimbabwe	82 50	96 63	52 52	62 62	50 49	60 59	77	85 74	81	93 80	81	61 79	80 99	48 63	76 88
39	Sudan	156	176	43	53	41	50		, ,				61	75	40	80
40	Zambia	166	186	48	50	45	47		93		99		80	91	49	59
	dle-income economies wer-middle-income	44 w 50 w	54 w 60 w	62 w 61 w	71 w 69 w	58 w 57 w	65 w 64 w	107 w 111 w	78 w 79 w	87 w 87 w	76 w 80 w	90 w 88 w	86 w 80 w	91 w 90 w	94 w 89 w	104 x 104 x
41	Bolivia	117	127	48	61	44	57	371					69	90	64	
42	Côte d'Ivoire	144	163	46	53	43	50		77	83	83	88	57	71	27	45
43 44	Senegal Philippines	140 53	160 68	44 59	49 67	42 56	46 63	74		90 85		94 84	63	72 94	39	51
45	Papua New Guinea	67	81	47	56	47	55	700	76		84		57	80	37	62
46	Cameroon	112	130	46	57	43	54		59	85	58	86	74	85	36	68
47	Guatemala	76	84	54	67	51	62		33		73		79		65	
48	Dominican Rep.	66	72	61	69	57	65	300	55		13		99	98		
49	Ecuador	56 66	62 79	60 53	69 65	57 50	64 61	156	69 78	80	70 83	81	93 51	66	76 40	69
50	Morocco			33		30	_									
51 52	Jordan Tajikistan	30 60	33 66		70 72		66 67	39	90	97	92	99	78	94	53	96
53	Peru	62	76	56	66	52	62	165					85		74	
54	El Salvador	46	50	60	68	56	63	148	61		62		92	98	77	95
55	Congo	159	177	49	54	43	49		86	90	89	98	78	87	43	72
56	Syrian Arab Rep.	37	47	57	69	54	65	143	92	93	95	95	5 7	87	36	71
50	Colombia	23	29	63	72	59	66	200	57	74	51	72	101	98	73	100
57	Paraguay	38 47	46 59	67	69 73	63	65 66	300 43	70	77	71	77	89	93	91	102
57 58	Lizhakistan	16	39 20	70	76	66	7 1	115		100		98	100	99	103	
57 58 59	Uzbekistan Jamaica	10							90		89					174
57 58 59 60	Jamaica		10	71	73	67	ο,							1111		
57 58 59 60	Jamaica Romania	28	38 97	71 49	73 60	67 47	67 56						97	106 108	151	127
57 58 59 60 61 62 63	Jamaica Romania Namibia Tunisia	28 85 40	97 51		60 68		56 67	127					97 64	108 85		
57 58 59 60 61 62	Jamaica Romania Namibia	28 85	97	49	60	47	56							108		127

8 T T P P P P P P P P P P P P P P P P P	Azerbaijan Curkmenistan Curkey Poland Bulgaria Costa Rica Algeria Panama Armenia Chile Fran, Islamic Rep. Moldova Ukraine Mauritius Czechoslovakia Cazakhstan Malaysia Der-middle-income Bootswana South Africa Lithuania Lungary	(per 1,000) Female 1991 34 68 70 15 18 13 77 24 24 18 83 24 18 22 12 33 15 36 w 36 65	Male 1991 45 83 77 21 23 16 85 28 30 22 91 32 26 28 17 44 21	Fem 1970 59 74 74 69 54 67 66 54 74 65 73	75 70 70 75 75 75 75 76 65 72 75 73 76	1970 	1991 67 62 64 67 68 74 65 71 68 68 65 65	mortality (per 100,000 live births) 1988 29 55 146 18 60 35 40	76 99 91 93 90 97	98	91 95 97	1986 98 93 90 97 85	Prin 1970 73 93 94 96 60 92	1990 89 95 93 94 81 93		198 102 103 103 103 113
8 T T P P P P P P P P P P P P P P P P P	Arkmenistan Arkey Poland Bulgaria Costa Rica Algeria Panama Armenia Chile Pran, Islamic Rep. Moldova Ukraine Mauritius Czechoslovakia Cazakhstan Malaysia Der-middle-income Botswana Bouth Africa Lithuania Hungary	1991 34 68 70 15 18 13 77 24 24 18 83 24 18 22 12 33 15 36 w	1991 45 83 77 21 23 16 85 28 30 22 91 32 26 28 17	59 74 74 69 54 67 66 54 74 65 73	75 70 70 75 75 75 78 67 75 75 76 65 72 75 73	55 67 69 65 52 64 59	67 62 64 67 68 74 65 71 68 68 65 65	29 55 146 	76 99 91 93 90 97	98 91 91 95 88	91 95 97	98 93 90 97 85	73 93 94 96 60 92	95 93 94 81 93	37 251 111 40 99	101 79 102 103 103
8 T T P P P P P P P P P P P P P P P P P	Arkmenistan Arkey Poland Bulgaria Costa Rica Algeria Panama Armenia Chile Pran, Islamic Rep. Moldova Ukraine Mauritius Czechoslovakia Cazakhstan Malaysia Der-middle-income Botswana Bouth Africa Lithuania Hungary	68 70 15 18 13 77 24 24 18 83 24 18 22 12 33 15 36 w	83 77 21 23 16 85 28 30 22 91 32 26 28 17	59 74 74 69 54 67 66 54 	70 70 75 75 75 78 67 75 75 76 65 72 75 73	55 67 69 65 52 64 59	62 64 67 68 74 65 71 68 68 65 65	55 146 18 60 35 40	76 99 91 93 90 97	98 91 91 95 88	91 95 97	98 93 90 97 85	73 93 94 96 60 92	95 93 94 81 93	37 251 111 40 99	266 198 101 79 103
9 T 1 B 2 C C 3 A A A 5 S A 5 S A 6 C C 7 I I C C 2 K 3 N Upp 44 B 55 S S 65 C C 7 T C C C C C C C C C C C C C C C C	Curkey Voland Bulgaria Costa Rica Algeria Panama Armenia Chile ran, Islamic Rep. Moldova Jkraine Mauritius Zeechoslovakia Cazakhstan Malaysia Der-middle-income Botswana South Africa Lithuania Hungary	70 15 18 13 77 24 24 18 83 24 18 22 12 33 15 36 w	77 21 23 16 85 28 30 22 91 32 26 28 17	59 74 74 69 54 67 66 54 74 65 73	70 75 75 78 67 75 75 76 65 72 75 73	67 69 65 52 64 59 55	64 67 68 74 65 71 68 68 65 65	146 18 60 35 40	76 99 91 93 90 97	98 91 91 95 88	81 97 100 91 95 97	93 90 97 85	93 94 96 60 92	95 93 94 81 93	251 111 40 99	266 198 101 79 103
0 P P B P P P P P P P P P P P P P P P P	Poland Bulgaria Costa Rica Algeria Panama Armenia Chile ran, Islamic Rep. Moldova Jikraine Mauritius Czechoslovakia Cazakhstan Malaysia per-middle-income Sotswana Sotswana Sotshan Lithuania Lithuania Lungary	15 18 13 77 24 24 18 83 24 18 22 12 33 15	21 23 16 85 28 30 22 91 32 26 28 17	74 74 69 54 67 66 54 74 65 73	75 75 78 67 75 75 76 65 72 75 73	67 69 65 52 64 59 55	67 68 74 65 71 68 68 65 65	18 60 35 40	99 91 93 90 97	91 91 95 88	97 100 91 95 97	93 90 97 85	93 94 96 60 92	95 93 94 81 93	251 111 40 99	266 198 101 79 103
1 B 2 C C C C C C C C C C C C C C C C C C	Bulgaria Costa Rica Algeria Panama Armenia Chile ran, Islamic Rep. Moldova Jkraine Mauritius Czechoslovakia Cazakhstan Malaysia per-middle-income Sotswana South Africa Lithuania Hungary	18 13 77 24 24 18 83 24 18 22 12 33 15 36 w	23 16 85 28 30 22 91 32 26 28 17	74 69 54 67 66 54 74 65 73	75 78 67 75 75 76 65 72 75 73	69 65 52 64 59 55	68 74 65 71 68 68 65 65	18 60 35 40	91 93 90 97	91 91 95 88	91 95 97	93 90 97 85	94 96 60 92	93 94 81 93	111 40 99	198 103 79 103
2 C C C C C C C C C C C C C C C C C C C	Costa Rica Algeria Panama Armenia Chile Pan, Islamic Rep. Moldova Ukraine Mauritius Czechoslovakia Cazakhstan Malaysia Der-middle-income Botswana South Africa Lithuania Hungary	13 77 24 24 18 83 24 18 22 12 33 15 36 w	16 85 28 30 22 91 32 26 28 17	69 54 67 66 54 74 65 73	78 67 75 75 76 65 72 75 73	65 52 64 59 55 	74 65 71 68 68 65	18 60 35 40	93 90 97	91 95 88	91 95 97	90 97 85	96 60 92	94 81 93	111 40 99	10: 79: 10:
3 A 4 P 5 A 6 C 7 Ir 8 N 9 U 0 N 11 C 12 K 13 N Upp 4 B 5 S 6 L 17 H 8 V	Algeria Panama Armenia Chile Pan, Islamic Rep. Moldova Ukraine Mauritius Czechoslovakia Cazakhstan Malaysia Der-middle-income Botswana South Africa Lithuania Hungary	77 24 24 18 83 24 18 22 12 33 15 36 w	85 28 30 22 91 32 26 28 17 44 21	54 67 66 54 74 65 73	67 75 75 76 65 72 75 73	52 64 59 55 67	65 71 68 68 68	60 35 40	90 97	95 88	95 97	97 85	60 92	81 93	40 99	79 10 11:
4 P 5 A 6 C 7 Ir 8 N 9 U 60 M 11 C 12 K 13 N Upp 14 B 15 S 16 L 17 H 18 V	Panama Armenia Armenia Chile ran, Islamic Rep. Moldova Jkraine Mauritius Zeechoslovakia Cazakhstan Malaysia ber-middle-income Botswana South Africa Lithuania Hungary	24 24 18 83 24 18 22 12 33 15 36 w	28 30 22 91 32 26 28 17 44 21	67 66 54 74 65 73	75 75 76 65 72 75 73	59 55 67	71 68 68 65 65	60 35 40	97	88	97 	85	92	93	99	10.
6 C 7 Ir 88 M 99 U 00 M 11 C 12 K 13 M Upp 44 B 15 S 16 L 17 H 18 V	Chile ran, Islamic Rep. Moldova Jkraine Mauritius Czechoslovakia Cazakhstan Malaysia per-middle-income Sotswana South Africa Lithuania Hungary	18 83 24 18 22 12 33 15 36 w	22 91 32 26 28 17 44 21	66 54 74 65 73	76 65 72 75 73	59 55 67	68 65 65	40								
7 Ir 88 M 9 U 00 M 11 C 12 K 13 M Upp 14 B 15 S 16 L 17 H 18 V	ran, Islamic Rep. Moldova Ukraine Mauritius Zeechoslovakia Cazakhstan Malaysia ber-middle-income Sotswana South Africa Lithuania Hungary	83 24 18 22 12 33 15 36 w	91 32 26 28 17 44 21	54 74 65 73	65 72 75 73	55 67	65 65							O.E	130	
8 M 9 U 10 M 11 C 12 K 13 N Upp 14 B 15 S 16 L 17 H 18 V	Moldova Ukraine Mauritius Czechoslovakia Cazakhstan Malaysia ber-middle-income Sotswana South Africa Lithuania Hungary	24 18 22 12 33 15 36 w	32 26 28 17 44 21	74 65 73	72 75 73	67	65	120	86		83		98	95		
9 U 0 M 11 C 12 K 13 N Upp 14 B 15 S 16 L 17 H 18 V	Jkraine Mauritius Czechoslovakia Kazakhstan Malaysia Der-middle-income Botswana South Africa Lithuania Hungary	18 22 12 33 15 36 w	26 28 17 44 21	74 65 73	75 73			120	75	92	74	93	55	86	49	7
0 M 11 C 12 K 13 N Upp 14 B 15 S 16 L 17 H 18 V	Mauritius Czechoslovakia Kazakhstan Malaysia per-middle-income Botswana South Africa Lithuania Hungary	22 12 33 15 36 w	28 17 44 21	65 73	73			34								
1 C 2 K 3 N Upp 4 B 5 S 6 L 7 H 8 V	Czechoslovakia Cazakhstan Malaysia ber-middle-income Sotswana South Africa Lithuania Hungary	12 33 15 36 w 36	17 44 21	73		OU	66 67	33 99	97	99	 97	99	96 94	98	127 66	10
Upp 44 B 55 S 66 L 77 H 88 V	Cazakhstan Malaysia ber-middle-income Botswana Bouth Africa Lithuania Hungary	33 15 36 w	44 21		70	67	68		97 96	9 9	98	9 9	96	98 97	183	13
Upp 44 B 55 S 66 L 77 H 88 V	Malaysia per-middle-income Botswana South Africa Lithuania Hungary	15 36 w 36	21	62	73	- 07	64	53						- ,,	105	
Upp 4 B 5 S 6 L 7 H 8 V	per-middle-income Botswana South Africa Lithuania Hungary	36 w			73	60	68	26					88	95	69	10
4 B 5 S 6 L 7 H 8 V	Botswana Bouth Africa Lithuania Hungary	36	40 W	64 w	72 w	59 w	65 w	104 w	75 w		70 w	94 w	94 w	95 w	101 w	
5 S 6 L 7 H 8 V	South Africa Lithuania Hungary															10
6 L 7 H 8 V 9 A	Lithuania Hungary		44 79	51 56	70 66	48 50	66 59		97	96	90	97	113 98	107	88 95	11
7 H 8 V 9 A	lungary	15	21	75	76	67	59 65	29							95	:
8 V 9 A		17	23	73	74	67	66		90	97	99	97	93	95	202	19
	/enezuela	35	44	68	73	63	67	55	84	91	61	81	99	99	102	13
	Argentina	28	32	70	75	64	68	140	92		69		98	103	156	
	Jruguay	21	25	72	77	66	70	36		98		96	91	95	129	
	Brazil	60	73	61	69	57	63	140	56		54		99		99	;
	Mexico Belarus	38 15	50 21	64 76	73 76	60 68	67 66	200 25		73		94	92	94		9
				70		00			• •					• •		•
	Russian Federation atvia	21 17	29 23		74 75		64 64	49 57			• •					
	Trinidad and Tobago	21	25	68	74 74	63	69	89	78		 74		97	97	113	10
	Gabon	144	163	46	55	43	52		73	80	78	78	91		43	
8 E	Estonia	13	19	74	75	66	65	41								
9 P	Portugal	11	15	71	77	64	70		92		92		95	91	98	11
	Oman	33	43	49	71	46	67	1.1		97		100	16	89		8
	uerto Rico	16	20	75	80	69	72	21						::	::	
	Korea, Rep. Greece	16 12	22 14	62 74	73 80	58 70	67 75	26	96 97	100 99	96 96	100 99	92 92	94 94	65 98	8 10
	Saudi Arabia	33	44	54	71	51	68	••••	93		 91	,,,	46	84	16	7
	raudi Arabia Yugoslavia	33 19	25	70	71 76	65	70		93 91		91 99		40 91	84 94	86	9
	and middle-income	80 w	89 w	56 w	63 w	54 w	62 w	238 w	61 w	76 w	64 w	80 w	70 w	81 w	60 w	7
	-Saharan Africa	167 w	186 w	45 w	52 w	42 w	49 w		66 w	71 w	69 w	72 w	60 w	76 w	40 w	ć
	t Asia & Pacific	46 w	58 w	60 w	66 w	58 w	66 w	195 w		78 w		82 w	• •	88 w		-
	th Asia	129 w	127 w	48 w	59 w	50 w	59 w	444 w	45 w		48 w		55 w	69 w	38 w	5
	ope and Central Asia	28 w	35 w	69 w	74 w	64 w	66 w	60 w	90 w	97 w	92 w	98 w	89 w	94 w	137 w	14
	ldle East & N. Africa in America & Caribbea	73 w ın 48 w	84 w 58 w	54 w 63 w	65 w 71 w	52 w 58 w	63 w 65 w	151 w 162 w	83 w 66 w	90 w 76 w	87 w 60 w	92 w 85 w	54 w 96 w	79 w 97 w	41 w 101 w	10
	erely indebted	55 w	66 w	62 w	69 w	58 w	64 w	171 w	75 w	80 w	73 w	89 w	87 w	88 w	109 w	11
	income economies CD members	8 w 8 w	11 w 11 w	75 w 75 w	80 w 80 w	68 w	73 w 73 w		95 w 95 w	98 w 98 w	93 w 93 w	97 w 97 w	96 w 96 w	95 w 95 w	95 w 95 w	
								• • •	93 W		93 W					10
	reland srael	9 10	11 14	73 73	78 78	69 70	72 74		96	98 97	96	97 97	96 92	96 98	124 131	11
	New Zealand	9	13	75	79	69	73			98		98	94	94	94	Ş
	Spain	9	ii	75	80	70	74		76	98	76	97	99	93	84	10
0 †H	long Kong	5	7	73	80	67	75	4	94		92		90		74	
1 †S	Singapore	7	9	70	77	65	72	10	99	100	99	100	88	90	103	- 70
	United Kingdom	8	10	75	79	69	72						95	96	94	9
	Australia	. 8	10	75	80	68	73		76	97	74	94	94	95	91	9
	taly Netherlands	10 8	12 10	75 77	81 80	69 71	74 74		99		06		94 96	95 99	86 91	10
								• • •			<u>96</u>					
	Belgium Austria	10 9	12 11	75 74	80 80	68 67	73 73		95	87 99	92	85 98	94 95	97 95	87 95	
	France	8	10	76	81	68	73 73		97 97		90	70	95 95	94	107	10
	Canada	8	10	76	81	69	74		95	97	92	93	95	93	95	•
	United States	9	13	75	79	67	72				_ : :		95	95		
1 C	Germany ^b	8	10	74	79	67	73		97	99	96	97	96	96	93	,
2 E	Denmark	9	11	76	78	71	72		98	100	96	100	97	96	102	1
	Finland	7	9	74	79	66	73			98		99	90	95	112	1
	Norway	9	11	77 77	80	71 72	74 75		99		98		105	95	97	19
	Sweden	7	9	77	81	72	75		98		96		96	95	92	1
	apan	5	7	75	82	69	76 74		100	100	100	100	96	95	101	
	Switzerland	8	10	76	81	70	74	227	94		93		98	96	93	-
Vorld	l 1 exporters	69 w 114 w	77 w 127 w	60 w 50 w	65 w 61 w	57 w 48 w	64 w 58 w		- 67 w 75 w	78 w 88 w	70 w 75 w	82 w 88 w	77 w 60 w	84 w 81 w	68 w 51 w	

Table 33. Forests, protected areas, and water resources

				usands of sq. i Annual def		Nationally	protectea a	reas (1992)		ater resources: o		capita (cub	
		Total 19		1981		Area (thousands		As a percentage of total	Total (cubic	As a percentage of total water		сирни (сип	Industria and
		Total	Closed	Total	Closed	of sq. km)	Number	area	kilometers)	resources	Total	Domestic	agricultur
Chin	icome economies na and India er low-income												
	lozambique	154	9	1.2	0.1	0.0	1	0.0	0.8	!	53	13	40
	anzania thiopia	420 272	14 44	3.0 ^a 0.9	0.1	130.0 25.3	28 11	13.8 2.1	0.5 2.2	1 2	36 49	8 5	28 44
4 U	lganda 💮 💮	60	8	0.5	0.1	18.7	32	7.9	0.2	0	20	6	14
	hutan	21	21	0.0	0.0	9.1	5	19.3	0.0	0	14	5	9
	buinea-Bissau Iepal	21 21	7 19	0.6 0.8	0.2 0.8	0.0 11.1	0 12	0.0 7.9	0.0 2.7	0 2	11 151	3 6	8 145
	urundi	0	0	0.0	0.0	0.9	3	3.2	0.1	3	20	7	13
	had	135	5	0.8		29.8	7	2.3	0.2	.0	34	5	29
	fadagascar	132	103	1.6	1.5	11.1	36	1.9	16.3	41	1,642	16	1.626
	ierra Leone angladesh	21 9	7 9	0.1 0.1	0.1 0.1	0.8 1.0	2 8	1.1 0.7	0.4 22.5	0 1 ^d	96 211	7 6	89 205
13 L	ao PDR	136	84	1.3	1.0	0.0	0	0.0	1.0	Ó	260	21	239
	Salawi do	43 2	2	1.5		10.6	9	8.9	0.2	2	. 20	7	13
	wanda		1	0.1	0.0	3.3	2	12.4	0.2	2	23	6	17
	Iali urkina Faso	73 47	5 3	0.4 0.8	0.0	40.1 26.6	11 12	3.2 9.7	1.4 0.2	2	162 18	3 5	159 13
18 N	liger	26	ĺ	0.7	0.0	97.0	6	7.7	0.3	ld	41	9	32
	ndia	640	378 11	0.5a	0.3	138.4	332	4.2	380.0	18 ^d	612	18	594
	enya	24		0.4	0.2	34.7	36	6.0	1.1	7	50	14	37
	ligeria 'hina	148 1,150	60 978	4.0 0.0	3.0	28.7 286.5	21 402	3.1 3.0	3.6 460.0	1d 16	37 462	11 28	26 434
23 H	laiti	0	0	0.0	0.0	0.1	3	0.3	0.0	0	702	2	5
	enin	39	0	0.7	0.0	8.4	2	7.5	0.1	0	26	7	19
	entral African Rep.	359	36	0.6	0.1	61.1	13	9.8	0.1	0	25	5	20
	hana akistan	87 25	17 22	0.7 0.1	0.2 0.1	10.7 36.6	8 53	4.5 4.6	0.3 153.4	33 ^d	35 2,053	12 21	23 2.032
28 T	ogo	17	3	0.1	0.0	6.5	11	11.4	0.1	1	28	17	11
	uinea licaragua	107 45	21 45	0.9 1.2	0.4 1.2	1.6 9.5	3 21	0.7 7.3	0.7	0	140	14 93	126
									0.9	1	370		278
	ri Lanka Sauritania	17 6	17 0	0.6 0.1	0.6 0.0	7.8 17.5	43 4	11.9 1.7	6.3 0.7	15 10 ^d	503 494	10 59	493 435
33 Y	emen, Rep.	0	0	0.0		0.0	0	0.0	1.5	147	179	7	172
	londuras esotho	40 0	38 0	0.9	0.9	5.0 0.1	35 1	4.4 0.2	1.3 0.1	1	510 31	20 7	490 24
	ndonesia	1,169	1,139	10.0 a		193.4	186	10.2	16.6		95	12	83
	gypt, Arab Rep.	0	0	10.0		8.0	13	0.8	56.4	97 ^d	1,213	85	1.128
	imbabwe	198	2	0.8	0.0	30.7	25	7.9	1.2	5	138	19	119
	udan ambia	477 295	7 30	5.0 0.7	0.0 0.4	93.6 63.6	14 20	3.7 8.5	18.6 0.4	14 ^d 0	1.092	11 54	1.081
Middle	e-income economies er-middle-income					05.0							
	olivia		440	1.2	0.0	00.6	27	0.0	1.2	-	104	10	1//
42 C	ôte d'Ivoire	668 98	440 45	1.2 2.6 ^a	0.9	98.6 19.9	27 12	9.0 6.2	1.2 0.7	0	184 66	18 15	166 51
43 S	enegal	110	2	0.5		21.8	9	11.1	1.4	4 ^d	202	10	192
	hilippines apua New Guinea	95 ^b 382	95 342	1.4 ^a 0.2	1.4 ^a 0.2	5.7 0.3	27 6	1.9 0.1	29.5 0.1	9 0	693 28	125 8	568 20
	ameroon	233	165	1.9a	1.0a	20.5	14	4.3	0.4	0	37	17	20
47 G	iuatemala	45	44	0.9	0.9	8.3	17	7.6	0.7	I	139	13	126
	Oominican Rep.	6	6	0.0	0.0	9.7	18	19.9	3.0	15	443	22	421
	cuador Iorocco	147 32	143 15	3.4 0.1	3.4	107.5 3.6	18 10	37.9 0.8	5.6 11.0	2 37	567 499	40 30	527 469
	ordan	1	0			1.0	8	1.1	0.5	41 ^d	173	50	123
52 T	ajikistan					0.9	3	0.6	0.5	71	173	. ,	
	eru I Salvadas	706	697	2.7	2.7	27.0	22	2.1	6.1	15	301	57	244
	l Salvador longo	1 213	1 213	0.1 0.2	0.1 0.2	0.2 11.8	5 10	0.9 3.4	1.0 0.0	5 0	245 19	17 12	228 7
	yrian Arab Rep.	2	1	0.0	V.=	0.0	0	0.0	3.3	9d	434	30	404
57 C	olombia	517	464	8.9	8.2 •	90.5	41	7.9	5.3	O ^d	172	71	101
	araguay Izbekistan	197	41	4.5 ^a		12.0	14	3.0	0.4	0 ^d	110	17	94
	amaica	i	i	0.0	0.0	2.4 0.0	10 1	0.5 0.1	0.3	4	159	ii	148
	omania	67	63			10.9	40	4.6	25.4	12 ^d	1,144	92	1,052
62 N	lamibia	184		0.3		103.7	11	12.6	0.1		84	5	79
	unisia	3	2	0.1		0.4	6	0.3	2.3	52 ^d	317	41	276
	yrgyzstan hailand	157	92	2.4a	1.6ª	2.0 56.6	5 92	1.0 11.0	31.9	18d	600	24	576
-											550		210

			car area (INO	usands of sq. i Annual det			protected a	reas (1992)	ı resnu	aler resources:		capita (cub	
		Total 19		1981 		Area (thousands of square		As a percentage of total	Total (cubic	As a percentage of total water		сарна (сив	ic meiers) Industria and
		Total	Closed	Total	Closed	kilometers)	Number	area	kilometers)	resources	Total	Domestic	
57 58	Azerbaijan Turkmenistan					1.8 [1.1	11 8	2.0 2.5					
59	Turkey	202	89			2.7	18	0.3	23.8	18 ^d	434	104	330
	Poland Bulgaria	87 37	86 33			22.4 2.6	80 50	7.2 2.4	16.8 14.2	30 ^d 7 ^d	472 1,600	76 112	396 1,488
	•				0.48					•			
	Costa Rica Algeria	18 18	16 15	0.4 ^a 0.4	0.4 ^a	6.3 127.0	27 18	12.4 5.3	1.4 3.0	1 16 ^d	780 160	31 35	749 125
74	Panama	42	42	0.4	0.4	13.2	14	17.2	1.3	Ĩ	744	89	655
75 76	Armenia Chile	76	76	0.5		2.2 137.2	4 65	7.4 18.1	16.8	4	1,623	97	1,526
77	Iran, Islamic Rep.	38	28	0.2		79.8	62	4.8	45.4	39	1,362	54	1,308
78	Moldova					0.0	0	0.0			1,302		
79 80	Ukraine Mauritius	· .	· .	0.0	0.0	4.6 0.0	17 0	0.8 0.0	0.4	16.	410	66	344
81	Czechoslovakia	46	44	0.0		20.6	65	16.1	5.8	6 ^d	379	87	292
82	Kazakhstan	,				8.4	8	0.3					
83	Malaysia	210 ^b	210	2.7ª		14.9	48	4.5	9.4	2	768	177	591
Up	pper-middle-income												
84	Botswana	326	0	0.2		102.3	9	17.6	0.1	1 ^d	100	5	95
85 86	South Africa Lithuania	3	3			73.9 0.0	229 0	6.1 0.0	9.2	18	410	66	344
87	Hungary	16	16			5.8	54	6.2	5.4	, 5d	502	45	457
88	Venezuela	339	319	2.5	1.3	275.3	104	30.2	4.1	0	387	166	221
89 90	Argentina Uruguay	445 5	445 5	1.8a		93.9 0.3	112 8	3.4 0.2	27.6 0.7	3d 1d	1,042 241	94 14	948 227
91	Brazil	5,145	3,575	13.8ab		257.6	186	3.0	35.0	l ^d	248	107	141
92 93	Mexico Belarus	484	463	10.0ª		98.1 2.4	60 4	5.0 1.1	54.2	15	875	53	823
94	Russian Federation					200.3	75	1.2					
95	Latvia					1.7	21	2.6					
96 97	Trinidad and Tobago Gabon	206	2 205	0.0 0.2	0.0 0.2	0.2 10.5	13 6	3.9 3.9	0.2 0.1	3	148 57	40 41	108 16
98	Estonia					3.2	36	7. ĺ			<u></u>		
99	Portugal	30	26			5.5	22 2	6.0	10.5	16 ^d	1,075	161	914
00 01	Oman Puerto Rico	0	0			0.5 0.4	29	0.3 4.0	0.4	22	561	17	544
02	Korea, Rep.	49	49			7.6	26	7.6	10.7	17 12 ^d	299	33	266
03 04	Greece Saudi Arabia	58	25	• • •		212.0	18	9.9	7.0		720 321	58 144	177
Ŏ 5	Yugoslavia	105	91			7.9	6Î	3.1	8.8	106 3 ^d	393	63	330
Su Ea So Eu Mi La	- and middle-income lb-Saharan Africa lb-Saharan Africa lst Asia & Pacific uth Asia urope and Central Asia iddle East & N. Africa ltin America & Caribbean												
High	verely indebted												
O1 06	ECD members	4	2			0.4	6	0.6	υ δ	2	225	20	107
07 1	Ireland tIsrael	i	3 1			2.1	21	0.6 10.0	0.8 1.9	86 ^d	235 441	38 71	197 370
.08	New Zealand	95	72 60			29.0	124	10.7	1.9	0 41 ^d	585	269	316
09 10 1	Spain †Hong Kong	108	69			35.0 0.4	161 12	6.9 36.3	45.9	41-	1,184	142	1,042
11 1	†Singapore	0	0			0.0	1	4.4	0.2	32	84	38	46
12 13	United Kingdom Australia	22 1, 06 7	20 417			46.3 812.4	131 733	18.9 10.6	14.5 17.5	12 5	253 1,280	51 832	202 448
14	Italy	81	64			812.4 20.1	143	6.7	56.2	30 ^d	984	138	846
	Netherlands	4	3			3.5	67	9.4	14.5	16 ^d	993	50	943
15	Belgium Austria	8 38	7 38			0.8 21.2	3 187	2.5 25.3	9.0 2.1	72d 2d	917 279	101 53	816 226
16		151	139			53.6	79	9.7	43.7	24 ^d	783	125	658
16 17	France	4,364	2,641 2,096	1.6ª		494.5	411	5.0	43.9	2	1,684 1,952	303 234	1,381
16 17 18 19	France Canada		/ INA	1.6"		984.6 87.8	937 472	10.5 24.6	467.0 44.6c	19 28c.d	1,952 729		1,718
16 17 18 19 20	France Canada United States	2,960				ō/.ŏ			1.2	28c. d			
16 17 18 19 20 21	France Canada	2,960 72° 5	70° 5			4.1	65	9.5	1.2	9d	228	68	160
16 17 18 19 20 21 22 23	France Canada United States Germany Denmark Finland	2,960 72° 5 232	70° 5 199			4.1 8.1	34	2.4	3.0	3d	605	73	532
16 17 18 19 20 21	France Canada United States Germany Denmark Finland Norway	2,960 72° 5 232 87	70° 5 199 76	• •	 	4.1 8.1 14.9	34 80	2.4 4.6	3.0 2.0	3 ^d 0 ^d 2 ^d	605 490	73 98	532 392
16 17 18 19 20 21 22 23 24	France Canada United States Germany Denmark Finland	2,960 72° 5 232	70° 5 199			4.1 8.1	34	2.4	3.0	3d	605	73	160 532 392 228 608 131

a. Data are for the periods as follows: Tanzania 1989, India 1983-87, Indonesia 1982-90, Côte d'Ivoire 1981-86, Philippines 1981-88, Cameroon 1976-86, Paraguay 1989-90, Thailand 1985-88, Costa Rica 1973-89, Malaysia 1979-89, Argentina 1980-89, Brazil (Legal Amazon only) 1989-90, Mexico 1981-83, United States 1977-87. b. See the technical notes for alternative estimates. c. Data refer to the Federal Republic of Germany before unification. d. Total water resources include river flows from other countries in addition to internal renewable resources.

Table 1a. Basic indicators for other economies

			Area (1housands of square kilometers)	GNP per capita ^a						
		Population (thousands) mid-1 99 1			Average annual growth rate	Average annual rate of inflation ^a (percent)		Life expectancy at birth	Adulı illiserac (percent)	
				Dollars 1991	(perceni) 1980-91	1970-80	1980-91	(years) 1 99 1	Female 1990	Total 1990
1 2	Cambodia	8,790	181	200	-			50	78	65
3	Equatorial Guinea Gambia, The	427 902	28 11	330 360	2.8 -0.1	10.6	- <i>0.9</i> 18.2	47 44	63 84	50 73
4 5	São Tomé and Principe Guyana	118	1	400	-3.3	4.0	21.5	67		
$-\frac{3}{6}$	Maldives	802	215 b	430	6.7	9.8	35.0	65	5	4
7	Comoros	492	2	500	-1.0			62 56		
8 9	Solomon Islands Kiribati	325 73	29 1	690 720	3.5	8.4 10.6	12.4	65		
10	Cape Verde		4	750	2.3	9.4	5.4 9.4	56 67		
11 12	Western Samoa Swaziland	161	3	960			11.6	66		
13	Vanuatu	828 151	17 12	1,050 1,150	3.1	12.3	10.3 5.0	57 65		
14 15	Tonga St. Vincent	100 108	1	1,280				67		
16	Fiji	741	<u>b</u>	1,730	5.2 -0.2	13.8	4.4	<u>71</u>	• • •	
17	Belize	194	23	2,010	2.5	8.7	6.1 2.9	71 68		
18 19	Grenada Dominica	91 72	b I	2,180 2,440	4.7	16.8	6.0	70 72		
_20	St. Lucia	153	<u>i</u>	2,490				72 72		
21 22	Suriname St. Kitts and Nevis	457	163	3,630	-4.5	11.8	9.0	68	5	5
23	Antigua and Barbuda	39 80	b b	3,960 4,430	5.8 3.8		7.2 6.9	70 74		
24 25	Seychelles Barbados	69	b	5,110	3.2	16.9	3.5	71		
26	Bahrain	258 516	b	7,130	-3.8	13.5	5.2	75		_ <u>: :</u>
27	Malta	357	b	7,280	-3.8 3.8	4.2	-0.3 2.1	69 76	31	23
28 29	Cyprus Bahamas, The	710 259	9 14	8,640	4.9		5.5	77		
30	Qatar	506	11	11,750 14,770	1.3 -12.2	6.4	5.9	69 70		
31 32	United Arab Emirates	1,629	84	20,140	-6.3		1.1	72		
33	Iceland Luxembourg	258 385	103 3	23,170 31,780	1.8 3.5	35.1 6.9	30.0 4.2	78 75		
34 35	Afghanistan	20,979	652	f				43	86	71
36	Albania American Samoa	3,301	b	e	··		-0.4	73	•••	
37	Andorra	58	b	c c						
38 39	Angola Aruba	9,461	1,247	e				46	72	58
40	Bermuda	61 61	b b	d c		8.4				
41	Brunei	265	6	c				74	· · ·	
42 43	Channel Islands Cuba	145 10,736	ь 111	c e				77 76	· ;	
44 45	Djibouti	452	23	e				76 49		
46	Faeroe Islands Fed. Sts. of Micronesia	105	1	с	<u> </u>			<u></u>		<u> </u>
47	French Guiana	103	ь 90	e d	• • •					
48 49	French Polynesia Gibraltar	202	4	c				68		
50	Greenland	30 56	342	d c						
51	Guadeloupe	395	2	с				74	· · ·	•••
52 53	Guam Iraq	145 18,578	1 438	c d		17.9		72		
54	Isle of Man	70	1	c		17.9	10.3	65	51 	40 · ·
55 56	Korea, Dem. Rep.	22,191	121	e	• • •			71		
57	Lebanon	1,460 3,708	18 10	c e		21.9	-2.7	75 66	33 27	27 20
58 59	Liberia Libya	2,639	111	f		9.2		55	71	61
60	Macao	4,70 6 476	1,760 b	d e		18.2	0.2	63 73	50	36
61	Marshall Islands	48	b	e	· · ·		- · · · -			···
62 63	Martinique Mayotte	363 76	l b.	d d				76		
64	Mongolia	2,250	1,567	e			1.0	63		
65	Myanmar Natharlanda Antillas	42,758	677	f			<u>·</u> ·	59	28	19
67	Netherlands Antilles New Caledonia	192 171	1 19	c d				77 70		
68 69	Reunion San Marino	602	3	d				72		
70	Somalia	23 8,051	ь 638	c f		15.2	49.7	48	 86	 76
71	Viet Nam	67,679	332	f		15.2	77.1	67	16	12
72 73	Virgin Islands (U.S.) Zaire	99 38,631	b	c		12.5	3.9	74		
	e the technical note for Table 1. b.		2,345	f		31.4	60.9	52	39	28

a. See the technical note for Table 1. b. Less than 500 square kilometers. c. GNP per capita estimated to be in the high-income range. d. GNP per capita estimated to be in the lower-middle income range. f. GNP per capita estimated to be in the low-income range.



Technical notes

The main criterion for country classification is gross national product (GNP) per capita. With the addition of the recently independent republics of the former Soviet Union, the main tables now include country data for 127 economies, listed in ascending GNP per capita order. A separate table, showing basic indicators for economies with sparse data or with populations of less than 1 million, Table 1a covers a further seventy-three economies. Other changes are outlined in the Introduction.

Data reliability

Considerable effort has been made to standardize the data, but full comparability cannot be ensured and care must be taken in interpreting the indicators. Many factors affect availability and reliability; the statistical systems in many developing economies are still weak, statistical methods, coverage, practices, and definitions differ widely among countries, and cross-country and cross-time comparisons involve complex technical problems that cannot be unequivocally resolved. For these reasons, while the data are drawn from the sources thought to be most authoritative they should be construed only as indicating trends and characterizing major differences among economies rather than offering precise quantitative measures of those differences. In particular, data issues have yet to be resolved for the fifteen economies of the former Soviet Union. Coverage is sparse, and the data are subject to more than the normal range of uncertainty.

Most social and demographic data from national sources are drawn from regular administrative files, although some come from special surveys or periodic census inquiries. In the case of survey and census data, figures for intermediate years have to be interpolated or otherwise estimated from the base reference statistics. Similarly, because not all data are up-

dated, some figures—especially those relating to current periods—may be extrapolated. Several estimates (for example, life expectancy) are derived from models based on assumptions about recent trends and prevailing conditions. Issues related to the reliability of demographic indicators are reviewed in the U.N.'s World Population Trends and Policies. Readers are urged to take these limitations into account in interpreting the indicators, particularly when making comparisons across economies.

Base years

To provide long-term trend analysis, facilitate international comparisons and include the effects of changes in intersectoral relative prices, constant price data for most economies are partially rebased to three base years and linked together. The year 1970 is the base year for data from 1960 to 1975, 1980 for 1976 to 1982, and 1987 for 1983 and beyond. These three periods are ''chain-linked,'' to obtain 1987 prices throughout all three periods.

Chain-linking is accomplished for each of the three subperiods by rescaling; this moves the year in which current and constant price versions of the same time series have the same value, without altering the trend of either. Components of gross domestic product (GDP) are individually rescaled and summed to provide GDP and its subaggregates. In this process a rescaling deviation may occur between the constant price GDP by industrial origin and the constant price GDP by expenditure. Such rescaling deviations are absorbed under the heading *private consumption*, etc. on the assumption that GDP by industrial origin is a more reliable estimate than GDP by expenditure.

Because private consumption is calculated as a residual, the national accounting identities are maintained. Rebasing does involve incorporating in private consumption whatever statistical discrepancies

arise for expenditure. The value added in the services sector also includes a statistical discrepancy, as reported by the original source.

Summary measures

The summary measures are calculated by simple addition when a variable is expressed in reasonably comparable units of account. Economic indicators that do not seem naturally additive are usually combined by a price-weighting scheme. The summary measures for social indicators are weighted by population.

The World Development Indicators, unlike the World Tables, provide data for, usually, two reference points rather than annual time series. For summary measures that cover many years, the calculation is based on the same country composition over time and across topics. The World Development Indicators permit group measures to be compiled only if the country data available for a given year account for at least two-thirds of the full group, as defined by the 1987 benchmarks. As long as that criterion is met, noncurrent reporters (and those not providing ample history) are, for years with missing data, assumed to behave like the sample of the group that does provide estimates. Readers should keep in mind that the purpose is to maintain an appropriate relationship across topics, despite myriad problems with country data, and that nothing meaningful can be deduced about behavior at the country level by working back from group indicators. In addition, the weighting process may result in discrepancies between summed subgroup figures and overall totals. This is explained more fully in the introduction to the World Tables.

Sources and methods

Data on external debt are compiled directly by the World Bank on the basis of reports from its developing member countries through the Debtor Reporting System. Other data are drawn mainly from the United Nations and its specialized agencies, the International Monetary Fund, and country reports to the World Bank. Bank staff estimates are also used to improve currentness or consistency. For most countries, national accounts estimates are obtained from member governments through World Bank economic missions. In some instances these are adjusted by Bank staff to provide conformity with international definitions and concepts, consistency, currentness.

Growth rates

For ease of reference, only ratios and rates of growth are usually shown; absolute values are generally available from other World Bank publications, notably the 1993 edition of the World Tables. Most

growth rates are calculated for two periods, 1970-80 and 1980-91, and are computed, unless otherwise noted, by using the least-squares regression method. Because this method takes into account all observations in a period, the resulting growth rates reflect general trends that are not unduly influenced by exceptional values, particularly at the end points. To exclude the effects of inflation, constant price economic indicators are used in calculating growth rates. Details of this methodology are given at the beginning of the technical notes. Data in italics indicate that they are for years or periods other than those specified—up to two years earlier for economic indicators and up to three years on either side for social indicators, since the latter tend to be collected less regularly and change less dramatically over short periods of time.

All growth rates shown are calculated from constant price series and, unless otherwise noted, have been computed using the least-squares method. The least-squares growth rate, r, is estimated by fitting a least-squares linear regression trend line to the logarithmic annual values of the variable in the relevant period. More specifically, the regression equation takes the form $\log X_t = a + bt + e_t$, where this is equivalent to the logarithmic transformation of the compound growth rate equation, $X_t = X_0 (1 + r)t$. In these equations, X is the variable, t is time, and a = $\log X_0$ and $b = \log (1 + r)$ are the parameters to be estimated; e is the error term. If b^* is the least-squares estimate of b, then the average annual percentage growth rate, r, is obtained as [antilog (b^*)] -1 and multiplied by 100 to express it as a percentage.

Table 1. Basic indicators

For basic indicators for economies with sparse data or with populations of less than 1 million, see Table A.1.

Population numbers for mid-1991 are World Bank estimates. These are usually projections from the most recent population censuses or surveys; most are from 1980-91, and, for a few countries, from the 1960s or 1970s. Note that refugees not permanently settled in the country of asylum are generally considered to be part of the population of their country of origin.

The data on *area* are from the Food and Agriculture Organization (FAO). Area is the total surface area, measured in square kilometers, comprising land area and inland waters.

GNP per capita figures in U.S. dollars are calculated according to the World Bank Atlas method, which is described below.

GNP per capita does not, by itself, constitute or measure welfare or success in development. It does not distinguish between the aims and ultimate uses of a given product, nor does it say whether it merely offsets some natural or other obstacle, or harms or contributes to welfare. For example, GNP is higher in colder countries, where people spend money on heating and warm clothes, than in balmy climates, where people are comfortable wearing light clothes in the open air.

More generally, GNP does not deal adequately with environmental issues, particularly natural resource use. The World Bank has joined with others to see how national accounts might provide insights into these issues. The possibility of developing "satellite" accounts is being considered; such accounts could delve into practical and conceptual difficulties, such as assigning a meaningful economic value to resources that markets do not yet perceive as "scarce" and allocating costs that are essentially global within a framework that is inherently national.

GNP measures the total domestic and foreign value added claimed by residents. It comprises GDP (defined in the note for Table 2) plus net factor income from abroad, which is the income residents receive from abroad for factor services (labor and capital) less similar payments made to nonresidents who contributed to the domestic economy.

In estimating GNP per capita, the Bank recognizes that perfect cross-country comparability of GNP per capita estimates cannot be achieved. Beyond the classic, strictly intractable index number problem, two obstacles stand in the way of adequate comparability. One concerns the GNP and population estimates themselves. There are differences in national accounting and demographic reporting systems and in the coverage and reliability of underlying statistical information among various countries. The other obstacle relates to the use of official exchange rates for converting GNP data, expressed in different national currencies, to a common denomination—conventionally the U.S. dollar—to compare them across countries.

Recognizing that these shortcomings affect the comparability of the GNP per capita estimates, the World Bank has introduced several improvements in the estimation procedures. Through its regular review of member countries' national accounts, the Bank systematically evaluates the GNP estimates, focusing on the coverage and concepts employed and, where appropriate, making adjustments to improve comparability. As part of the review, Bank staff estimates of GNP (and sometimes of population) may be developed for the most recent period.

The World Bank also systematically assesses the appropriateness of official exchange rates as conversion factors. An alternative conversion factor is used (and reported in the *World Tables*) when the official exchange rate is judged to diverge by an excep-

tionally large margin from the rate effectively applied to foreign transactions. This applies to only a small number of countries. For all other countries the Bank calculates GNP per capita using the *World Bank Atlas* method.

The Atlas conversion factor for any year is the average of a country's exchange rate for that year and its exchange rates for the two preceding years, after adjusting them for differences in relative inflation between the country and the United States. This three-year average smooths fluctuations in prices and exchange rates for each country. The resulting GNP in U.S. dollars is divided by the midyear population for the latest of the three years to derive GNP per capita.

Some sixty low- and middle-income economies suffered declining real GNP per capita in constant prices during the 1980s. In addition, significant currency and terms of trade fluctuations have affected relative income levels. For this reason the levels and ranking of GNP per capita estimates, calculated by the *Atlas* method, have sometimes changed in ways not necessarily related to the relative domestic growth performance of the economies.

The following formulas describe the procedures for computing the conversion factor for year *t*:

$$(e_{t-2,t}^{\star}) = \frac{1}{3} \left[e_{t-2} \left(\frac{P_t}{P_{t-2}} \middle| \frac{P_t^{\$}}{P_{t-2}^{\$}} \right) + e_{t-1} \left(\frac{P_t}{P_{t-1}} \middle| \frac{P_t^{\$}}{P_{t-1}^{\$}} \right) + e_t \right]$$

and for calculating per capita GNP in U.S. dollars for year *t*:

$$(Y_t^{\$}) = (Y_t / N_t \div e_{t-2,t}^{*})$$

where

 Y_t = current GNP (local currency) for year t

 $P_t = \text{GNP deflator for year } t$

 e_t = average annual exchange rate (local currency to the U.S. dollar) for year t

 N_t = midyear population for year t

 $P_t^{\$} = \text{U.s. GNP deflator for year } t$

Because of problems associated with the availability of comparable data and the determination of conversion factors, information on GNP per capita is not shown for some economies.

The use of official exchange rates to convert national currency figures to U.S. dollars does not reflect the relative domestic purchasing powers of currencies. The U. N. International Comparison Programme (ICP) has developed measures of real GDP on an internationally comparable scale, using purchasing power of currencies (PPCs) instead of exchange rates as conversion factors. Table 30 shows the most recent PPC estimates. Information on the ICP has been published in four studies and in a number of other reports. The most recent study is Phase VI, for 1990, a

part of which has already been published by the Organization for Economic Cooperation and Development (OECD).

The ICP figures reported in Table 30 are preliminary and may be revised. The United Nations and its regional economic commissions, as well as other international agencies, such as the EC, the OECD, and the World Bank, are working to improve the methodology and to extend annual purchasing power comparisons to all countries. However, exchange rates remain the only generally available means of converting GNP from national currencies to U.S. dollars.

Average annual rate of inflation is measured by the growth rate of the GDP implicit deflator for each of the periods shown. The GDP deflator is first calculated by dividing, for each year of the period, the value of GDP at current values by the value of GDP at constant values, both in national currency. The least-squares method is then used to calculate the growth rate of the GDP deflator for the period. This measure of inflation, like any other, has limitations. For some purposes, however, it is used as an indicator of inflation because it is the most broadly based measure, showing annual price movements for all goods and services produced in an economy.

Life expectancy at birth indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life. Data are World Bank estimates based on data from the U.N. Population Division, the U.N. Statistical Office, and national statistical offices.

Adult illiteracy is defined here as the proportion of the population over the age of fifteen who cannot, with understanding, read and write a short, simple statement on their everyday life. This is only one of three widely accepted definitions, and its application is subject to qualifiers in a number of countries. The data are from the illiteracy estimates and projections prepared in 1989 by UNESCO. More recent information and a modified model have been used; therefore, the data for 1990 are not strictly consistent with those published in last year's World Development Indicators.

The summary measures for GNP per capita, life expectancy, and adult illiteracy in this table are weighted by population. Those for average annual rates of inflation are weighted by the 1987 share of country GDP valued in current U.S. dollars.

Tables 2 and 3. Growth and structure of production

Most of the definitions used are those of the *U.N.* System of National Accounts (SNA), Series F, No. 2, Revision 3. Estimates are obtained from national sources, sometimes reaching the World Bank through

other international agencies but more often collected during World Bank staff missions.

World Bank staff review the quality of national accounts data and in some instances, through mission work or technical assistance, help adjust national series. Because of the sometimes limited capabilities of statistical offices and basic data problems, strict international comparability cannot be achieved, especially in economic activities that are difficult to measure, such as parallel market transactions, the informal sector, or subsistence agriculture.

GDP measures the total output of goods and services for final use produced by residents and nonresidents, regardless of the allocation to domestic and foreign claims. It is calculated without making deductions for depreciation of "manmade" assets or depletion and degradation of natural resources. Although SNA envisages estimates of GDP by industrial origin to be at producer prices, many countries still report such details at factor cost. International comparability of the estimates is affected by differing country practices in valuation systems for reporting value added by production sectors. As a partial solution, GDP estimates are shown at purchaser values if the components are on this basis, and such instances are footnoted. However, for a few countries in Tables 2 and 3. GDP at purchaser values has been replaced by GDP at factor cost.

The figures for GDP are U.S. dollar values converted from domestic currencies using single-year official exchange rates. For a few countries where the official exchange rate does not reflect the rate effectively applied to actual foreign exchange transactions, an alternative conversion factor is used (and reported in the *World Tables*). Note that this table does not use the three-year averaging technique applied to GNP per capita in Table 1.

Agriculture covers forestry, hunting, and fishing as well as agriculture. In developing countries with high levels of subsistence farming, much agricultural production is either not exchanged or not exchanged for money. This increases the difficulty of measuring the contribution of agriculture to GDP and reduces the reliability and comparability of such numbers.

Industry comprises value added in mining; manufacturing (also reported as a separate subgroup); construction; and electricity, water, and gas. Value added in all other branches of economic activity, including imputed bank service charges, import duties, and any statistical discrepancies noted by national compilers, are categorized as services, etc.

Partially rebased, chain-linked 1987 series in domestic currencies, as explained at the beginning of the technical notes, are used to compute the growth rates in Table 2. The sectoral shares of GDP in Table 3 are based on current price series.

In calculating the summary measures for each indicator in Table 2, partially rebased constant 1987 U.S. dollar values for each economy are calculated for each year of the periods covered; the values are aggregated across countries for each year; and the least-squares procedure is used to compute the growth rates. The average sectoral percentage shares in Table 3 are computed from group aggregates of sectoral GDP in current U.S. dollars.

Table 4. Agriculture and food

The basic data for *value added in agriculture* are from the World Bank's national accounts series at current prices in national currencies. Value added in current prices in national currencies is converted to U.S. dollars by applying the single-year conversion procedure, as described in the technical note for Tables 2 and 3.

The figures for the remainder of this table are from the Food and Agriculture Organization (FAO). Cereal imports are measured in grain equivalents and defined as comprising all cereals in the Standard International Trade Classification (SITC), Revision 2, Groups 041-046. Food aid in cereals covers wheat and flour, bulgur, rice, coarse grains, and the cereal component of blended foods. The figures are not directly comparable because of reporting and timing differences. Cereal imports are based on calendar-year data reported by recipient countries, and food aid in cereals is based on data for crop years reported by donors and international organizations, including the International Wheat Council and the World Food Programme. Furthermore, food aid information from donors may not correspond to actual receipts by beneficiaries during a given period because of delays in transportation and recording or because aid is sometimes not reported to the FAO or other relevant international organizations. Food aid imports may also not show up in customs records. The time reference for food aid is the crop year, July to June.

Fertilizer consumption measures the plant nutrients used in relation to arable land. Fertilizer products cover nitrogenous, potash, and phosphate fertilizers (which include ground rock phosphate). Arable land is defined as land under temporary crops (double-cropped areas are counted once), temporary meadows for mowing or for pasture, land under market or kitchen gardens, and land temporarily fallow or lying idle, as well as land under permanent crops. The time reference for fertilizer consumption is the crop year, July to June.

Average growth rate of food production per capita has been computed from the index of food production per capita. The index relates to the average annual growth rate of food produced per capita in 1979-91 in

relation to the average produced annually in 1979-81 (1979-81 = 100). The estimates are derived by dividing the quantity of food production by the total population. For the index, food is defined as comprising nuts, pulses, fruits, cereals, vegetables, sugar cane, sugar beet, starchy roots, edible oils, livestock, and livestock products. Quantities of food production are measured net of annual feed, seeds for use in agriculture, and food lost in processing and distribution.

Fish products are measured by the level of daily protein supply derived from the consumption of fish in relation to total daily protein supply from all food. This estimate indirectly highlights the relative importance or weight of fish in total agriculture, especially since fish is not included in the index of food production.

The summary measures for fertilizer consumption are weighted by total arable land area; the summary measures for food production are weighted by population.

Table 5. Commercial energy

The data on energy are primarily from U.N. sources. They refer to commercial forms of primary energy—petroleum and natural gas liquids, natural gas, solid fuels (coal, lignite, and so on), and primary electricity (nuclear, geothermal, and hydroelectric power)—all converted into oil equivalents. Figures on liquid fuel consumption include petroleum derivatives that have been consumed in nonenergy uses. For converting primary electricity into oil equivalents, a notional thermal efficiency of 34 percent has been assumed. The use of firewood, dried animal excrement, and other traditional fuels, although substantial in some developing countries, is not taken into account because reliable and comprehensive data are not available.

Energy imports refers to the dollar value of energy imports—Section 3 in the Standard International Trade Classification, Revision 1—and are expressed as a percentage of earnings from merchandise exports. Because data on energy imports do not permit a distinction between petroleum imports for fuel and those for use in the petrochemicals industry, these percentages may overestimate the dependence on imported energy.

The summary measures of energy production and consumption are computed by aggregating the respective volumes for each of the years covered by the periods and applying the least-squares growth rate procedure. For energy consumption per capita, population weights are used to compute summary measures for the specified years.

The summary measures of energy imports as a percentage of merchandise exports are computed from group aggregates for energy imports and merchandise exports in current dollars.

Table 6. Structure of manufacturing

The basic data for *value added in manufacturing* are from the World Bank's national accounts series at current prices in national currencies. Value added in current prices in national currencies is converted to U.S. dollars by applying the single-year conversion procedure, as described in the technical note for Tables 2 and 3.

The data for distribution of manufacturing value added among industries are provided by the United Nations Industrial Development Organization (UNIDO), and distribution calculations are from national currencies in current prices.

The classification of manufacturing industries is in accordance with the U.N. International Standard Industrial Classification of All Economic Activities (ISIC), Revision 2. Food, beverages, and tobacco comprise ISIC Division 31; textiles and clothing, Division 32; machinery and transport equipment, Major Groups 382-84; and chemicals, Major Groups 351 and 352. Other comprises wood and related products (Division 33), paper and related products (Division 34), petroleum and related products (Major Groups 353-56), basic metals and mineral products (Divisions 36 and 37), fabricated metal products and professional goods (Major Groups 381 and 385), and other industries (Major Group 390). When data for textiles, machinery, or chemicals are shown as not available, they are also included in other.

Summary measures given for value added in manufacturing are totals calculated by the aggregation method noted at the beginning of the technical notes.

Table 7. Manufacturing earnings and output

Four indicators are shown—two relate to real earnings per employee, one to labor's share in total value added generated, and one to labor productivity in the manufacturing sector. The indicators are based on data from the United Nations Industrial Development Organization (UNIDO), although the deflators are from other sources, as explained below.

Earnings per employee are in constant prices and are derived by deflating nominal earnings per employee by the country's consumer price index (CPI). The CPI is from the International Monetary Fund's International Financial Statistics.

Total earnings as a percentage of value added are derived by dividing total earnings of employees by value added in current prices to show labor's share in income generated in the manufacturing sector. Gross output per employee is in constant prices and is presented as an index of overall labor productivity in

manufacturing, with 1980 as the base year. To derive this indicator, UNIDO data on gross output per employee in current prices are adjusted using the implicit deflators for value added in manufacturing or in industry, taken from the World Bank's national accounts data files.

To improve cross-country comparability, UNIDO has, where possible, standardized the coverage of establishments to those with five or more employees.

The concepts and definitions are in accordance with the *International Recommendations for Industrial Statistics*, published by the United Nations. Earnings (wages and salaries) cover all remuneration to employees paid by the employer during the year. The payments include (a) all regular and overtime cash payments and bonuses and cost of living allowances; (b) wages and salaries paid during vacation and sick leave; (c) taxes and social insurance contributions and the like, payable by the employees and deducted by the employer; and (d) payments in kind.

The term "employees" in this table combines two categories defined by the U.N., regular employees and persons engaged. Together these groups comprise regular employees, working proprietors, active business partners, and unpaid family workers; they exclude homeworkers. The data refer to the average number of employees working during the year.

"Value added" is defined as the current value of gross output less the current cost of (a) materials, fuels, and other supplies consumed; (b) contract and commission work done by others; (c) repair and maintenance work done by others; and (d) goods shipped in the same condition as received.

The value of gross output is estimated on the basis of either production or shipments. On the production basis it consists of (a) the value of all products of the establishment; (b) the value of industrial services rendered to others; (c) the value of goods shipped in the same condition as received; (d) the value of electricity sold; and (e) the net change in the value of work-inprogress between the beginning and the end of the reference period. In the case of estimates compiled on a shipment basis, the net change between the beginning and the end of the reference period in the value of stocks of finished goods is also included.

Tables 8 and 9. Growth of consumption and investment; structure of demand

GDP is defined in the note for Tables 2 and 3, but here it is in purchaser values.

General government consumption includes all current expenditure for purchases of goods and services by all levels of government. Capital expenditure on national defense and security is regarded as consumption expenditure. Private consumption, etc. is the market value of all goods and services, including durable products (such as cars, washing machines, and home computers) purchased or received as income in kind by households and nonprofit institutions. It excludes purchases of dwellings but includes imputed rent for owner-occupied dwellings (see the technical note for Table 10 for details). In practice, it includes any statistical discrepancy in the use of resources. At constant prices, it also includes the rescaling deviation from partial rebasing, which is explained at the beginning of the technical notes.

Gross domestic investment consists of outlays on additions to the fixed assets of the economy plus net changes in the level of inventories.

Gross domestic savings are calculated by deducting total consumption from GDP.

Exports of goods and nonfactor services represent the value of all goods and nonfactor services provided to the rest of the world; they include merchandise, freight, insurance, travel, and other nonfactor services. The value of factor services, such as investment income, interest, and labor income, is excluded. Current transfers are also excluded.

The resource balance is the difference between exports of goods and nonfactor services and imports of goods and nonfactor services.

Partially rebased 1987 series in constant domestic currency units are used to compute the indicators in Table 8. Distribution of GDP in Table 9 is calculated from national accounts series in current domestic currency units.

The summary measures are calculated by the method explained in the note for Tables 2 and 3.

Table 10. Structure of consumption

Percentage shares of selected items in total household consumption expenditure are computed from details of GDP (expenditure at national market prices) defined in the U.N. System of National Accounts (SNA), mostly as collected from the International Comparison Program (ICP) Phases IV (1980) and V (1985). For countries not covered by the ICP, less detailed national accounts estimates are included, where available, to present a general idea of the broad structure of consumption. The data cover eighty-four countries (including Bank staff estimates for China) and refer to the most recent estimates, generally for 1980 and 1985. Where they refer to other years, the figures are shown in italics. Consumption here refers to private (nongovernment) consumption as defined in the SNA and in the notes for Tables 2 and 3, 4, and 9, except that education and medical care comprise government as well as private outlays. This ICP concept of "enhanced consumption" reflects who uses rather than who pays for consumption goods, and it improves international comparability because it is less sensitive to differing national practices regarding the financing of health and education services.

Cereals and tubers, a major subitem of food, comprise the main staple products: rice, flour, bread, all other cereals and cereal preparations, potatoes, yams, and other tubers. For high-income OECD members, however, this subitem does not include tubers. Gross rents, fuel and power consist of actual and imputed rents and repair and maintenance charges, as well as the subitem fuel and power (for heating, lighting, cooking, air conditioning, and so forth). Note that this item excludes energy used for transport (rarely reported to be more than 1 percent of total consumption in low- and middle-income economies). As mentioned, medical care and education include government as well as private consumption expenditure. Transport and communication also include the purchase of automobiles, which are reported as a subitem. Other consumption, the residual group, includes beverages and tobacco, nondurable household goods and household services, recreational services, and services (including meals) supplied by hotels and restaurants; carry-out food is recorded here. It also includes the separately reported subitem other consumer durables, comprising household appliances, furniture, floor coverings, recreational equipment, and watches and jewelry.

Estimating the structure of consumption is one of the weakest aspects of national accounting in lowand middle-income economies. The structure is estimated through household expenditure surveys and similar survey techniques. It therefore shares any bias inherent in the sample frame. Since, conceptually, expenditure is not identical to consumption, other apparent discrepancies occur, and data for some countries should be treated with caution. For example, some countries limit surveys to urban areas or, even more narrowly, to capital cities. This tends to produce lower than average shares for food and high shares for transport and communication, gross rents, fuel and power, and other consumption. Controlled food prices and incomplete national accounting for subsistence activities also contribute to low food shares.

Table 11. Central government expenditure

The data on central government finance in Tables 11 and 12 are from the IMF's Government Finance Statistics Yearbook (1992) and IMF data files. The accounts of each country are reported using the system of common definitions and classifications found in the IMF's Manual on Government Finance Statistics (1986).

For complete and authoritative explanations of concepts, definitions, and data sources, see these IMF sources. The commentary that follows is intended mainly to place these data in the context of the broad range of indicators reported in this edition.

The shares of total expenditure and current revenue by category are calculated from series in national currencies. Because of differences in coverage of available data, the individual components of central government expenditure and current revenue shown in these tables may not be strictly comparable across all economies.

Moreover, inadequate statistical coverage of state, provincial, and local governments dictates the use of central government data; this may seriously understate or distort the statistical portrayal of the allocation of resources for various purposes, especially in countries where lower levels of government have considerable autonomy and are responsible for many economic and social services. In addition, "central government" can mean either of two accounting concepts: consolidated or budgetary. For most countries, central government finance data have been consolidated into one overall account, but for others only the budgetary central government accounts are available. Since all central government units are not always included in the budgetary accounts, the overall picture of central government activities is usually incomplete. Countries reporting budgetary data are

Consequently, the data presented, especially those for education and health, are not comparable across countries. In many economies, private health and education services are substantial; in others, public services represent the major component of total expenditure but may be financed by lower levels of government. Caution should therefore be exercised in using the data for cross-country comparisons. Central government expenditure comprises the expenditure by all government offices, departments, establishments, and other bodies that are agencies or instruments of the central authority of a country. It includes both current and capital (development) expenditure.

Defense comprises all expenditure, whether by defense or other departments, on the maintenance of military forces, including the purchase of military supplies and equipment, construction, recruiting, and training. Also in this category are closely related items such as military aid programs. Defense does not include expenditure on public order and safety, which are classified separately.

Education comprises expenditure on the provision, management, inspection, and support of preprimary, primary, and secondary schools; of universities and

colleges; and of vocational, technical, and other training institutions. Also included is expenditure on the general administration and regulation of the education system; on research into its objectives, organization, administration, and methods; and on such subsidiary services as transport, school meals, and school medical and dental services. Note that Table 10 provides an alternative measure of expenditure on education, private as well as public, relative to household consumption.

Health covers public expenditure on hospitals, maternity and dental centers, and clinics with a major medical component; on national health and medical insurance schemes; and on family planning and preventive care. Note that Table 10 also provides a measure of expenditure on medical care, private as well as public, relative to household consumption.

Housing, amenities; social security and welfare cover expenditure on housing (excluding interest subsidies, which are usually classified with other) such as income-related schemes; on provision and support of housing and slum-clearance activities; on community development; and on sanitation services. These categories also cover compensation for loss of income to the sick and temporarily disabled; payments to the elderly, the permanently disabled, and the unemployed; family, maternity, and child allowances; and the cost of welfare services, such as care of the aged, the disabled, and children. Many expenditures relevant to environmental defense, such as pollution abatement, water supply, sanitary affairs, and refuse collection, are included indistinguishably in this category.

Economic services comprise expenditure associated with the regulation, support, and more efficient operation of business; economic development; redress of regional imbalances; and creation of employment opportunities. Research, trade promotion, geological surveys, and inspection and regulation of particular industry groups are among the activities included.

Other covers interest payments and items not included elsewhere; for a few economies it also includes amounts that could not be allocated to other components (or adjustments from accrual to cash accounts).

Total expenditure is more narrowly defined than the measure of general government consumption given in Table 9 because it excludes consumption expenditure by state and local governments. At the same time, central government expenditure is more broadly defined because it includes government's gross domestic investment and transfer payments.

Overall surplus/deficit is defined as current and capital revenue and official grants received, less total expenditure and lending minus repayments.

Table 12. Central government current revenue

Information on data sources and comparability is given in the note for Table 11. Current revenue by source is expressed as a percentage of *total current revenue*, which is the sum of tax revenue and nontax revenue and is calculated from national currencies.

Tax revenue comprises compulsory, unrequited, nonrepayable receipts for public purposes. It includes interest collected on tax arrears and penalties collected on nonpayment or late payment of taxes and is shown net of refunds and other corrective transactions. Taxes on income, profit, and capital gains are taxes levied on the actual or presumptive net income of individuals, on the profits of enterprises, and on capital gains, whether realized on land sales, securities, or other assets. Intragovernmental payments are eliminated in consolidation. Social security contributions include employers' and employees' social security contributions as well as those of self-employed and unemployed persons. Domestic taxes on goods and services include general sales and turnover or value added taxes, selective excises on goods, selective taxes on services, taxes on the use of goods or property, and profits of fiscal monopolies. Taxes on international trade and transactions include import duties, export duties, profits of export or import monopolies, exchange profits, and exchange taxes. Other taxes include employers' payroll or labor taxes, taxes on property, and taxes not allocable to other categories. They may include negative values that are adjustments, for instance, for taxes collected on behalf of state and local governments and not allocable to individual tax categories.

Nontax revenue comprises receipts that are not a compulsory nonrepayable payment for public purposes, such as fines, administrative fees, or entrepreneurial income from government ownership of property. Proceeds of grants and borrowing, funds arising from the repayment of previous lending by governments, incurrence of liabilities, and proceeds from the sale of capital assets are not included.

Table 13. Money and interest rates

The data on monetary holdings are based on the IMF's International Financial Statistics (IFS). Monetary holdings, broadly defined, comprise the monetary and quasi-monetary liabilities of a country's financial institutions to residents but not to the central government. For most countries, monetary holdings are the sum of money (IFS line 34) and quasi money (IFS line 35). Money comprises the economy's means of payment: currency outside banks and demand deposits. Quasi money comprises time and savings deposits

and similar bank accounts that the issuer will readily exchange for money. Where nonmonetary financial institutions are important issuers of quasi-monetary liabilities, these are also included in the measure of monetary holdings.

The growth rates for monetary holdings are calculated from year-end figures, while the average of the year-end figures for the specified year and the previous year is used for the ratio of monetary holdings to GDP.

Nominal interest rates of banks, also from IFS, represent the rates paid by commercial or similar banks to holders of their quasi-monetary liabilities (deposit rate) and charged by the banks on loans to prime customers (lending rate). The data are, however, of limited international comparability, partly because coverage and definitions vary and partly because countries differ in the scope available to banks for adjusting interest rates to reflect market conditions.

Because interest rates (and growth rates for monetary holdings) are expressed in nominal terms, much of the variation among countries stems from differences in inflation. For easy reference, the Table 1 indicator of recent inflation is repeated in this table.

Table 14. Growth of merchandise trade

The main data source for current trade values is the U.N. Commodity Trade (COMTRADE) data file supplemented by World Bank estimates. The statistics on merchandise trade are based on countries' customs returns.

Merchandise *exports* and *imports*, with some exceptions, cover international movements of goods across customs borders; trade in services is not included. Exports are valued f.o.b. (free on board) and imports c.i.f. (cost, insurance, and freight) unless otherwise specified in the foregoing sources. These values are in current U. S. dollars.

The growth rates of merchandise exports and imports are based on constant price data, which are obtained from export or import value data as deflated by the corresponding price index. The World Bank uses its own price indexes, which are based on international prices for primary commodities, and unit value indexes for manufactures. These price indexes are country-specific and disaggregated by broad commodity groups. This ensures consistency between data for a group of countries and those for individual countries. Such consistency will increase as the World Bank continues to improve its trade price indexes for an increasing number of countries. These growth rates can differ from those derived from national practices because national price indexes may use different base years and weighting procedures from those used by the World Bank.

The terms of trade, or the net barter terms of trade, measure the relative movement of export prices against that of import prices. Calculated as the ratio of a country's index of average export prices to sits average import price index, this indicator shows changes over a base year in the level of export prices as a percentage of import prices. The terms of trade index numbers are shown for 1985 and 1991, where 1987 = 100. The price indexes are from the source cited above for the growth rates of exports and imports.

The summary measures for the growth rates are calculated by aggregating the 1987 constant U.S. dollar price series for each year and then applying the least-squares growth rate procedure for the periods shown.

Tables 15 and 16. Structure of merchandise imports and exports

The shares in these tables are derived from trade values in current dollars reported in the U.N. trade data system and the U.N.'s *Yearbook of International Trade Statistics*, supplemented by World Bank estimates.

Merchandise *exports* and *imports* are defined in the technical note for Table 14.

The categorization of exports and imports follows the *Standard International Trade Classification* (SITC), Series M, No. 34, Revision 1. For some countries, data for certain commodity categories are unavailable and the full breakdown cannot be shown.

In Table 15, food commodities are those in SITC Sections 0, 1, and 4 and Division 22 (food and live animals, beverages and tobacco, animal and vegetable oils and fats, oilseeds, oil nuts and oil kernels). Fuels are the commodities in SITC Section 3 (mineral fuels, and lubricants and related materials). Other primary commodities comprise SITC Section 2 (inedible crude materials, except fuels), less Division 22 (oilseeds, oilnuts, and oil kernels) and Division 68 (nonferrous metals). Machinery and transport equipment are the commodities in SITC Section 7. Other manufactures, calculated residually from the total value of manufactured imports, represent SITC Sections 5 through 9, less Section 7 and Division 68.

In Table 16, fuels, minerals, and metals are the commodities in SITC Section 3 (mineral fuels, and lubricants and related materials), Divisions 27 and 28 (crude fertilizers and crude minerals, excluding coal, petroleum and precious stones, and metalliferous ores and metal scrap), and Division 68 (nonferrous metals). Other primary commodities comprise SITC Sections 0, 1, 2, and 4 (food and live animals, beverages and tobacco, inedible crude materials, except fuels, and animal and vegetable oils and fats), less Divisions

27 and 28. Machinery and transport equipment are the commodities in SITC Section 7. Other manufactures represent SITC Sections 5 through 9, less Section 7 and Division 68. Textiles and clothing, representing SITC Divisions 65 and 84 (textiles, yarns, fabrics, made-up articles, and related products and clothing), are a subgroup of other manufactures.

The summary measures in Table 15 are weighted by total merchandise imports of individual countries in current U.S. dollars and those in Table 16 by total merchandise exports of individual countries in current U.S. dollars. (See the technical note for Table 14.)

Table 17. OECD imports of manufactured goods: origin and composition

The data are from the United Nations, reported by high-income OECD economies, which are the OECD members excluding Greece, Portugal, and Turkey.

The table reports the value of *imports of manufactures* of high-income OECD countries by the economy of origin, and the composition of such imports by major manufactured product groups. These data are based on the U.N. COMTRADE database—Revision 1, SITC for 1970, and Revision 2 SITC for 1991.

The table replaces one in past editions on the origin and destination of manufactured exports, which was based on exports reported by individual economies. Since there was a lag of several years in reporting by many developing economies, estimates based on various sources were used to fill the gaps. Until these estimates can be improved, the current table, based on up-to-date and consistent but less comprehensive data, is included instead. Manufactured imports of the predominant markets from individual economies are the best available proxy of the magnitude and composition of the manufactured exports of these economies to all destinations taken together.

Manufactured goods are the commodities in the Standard International Trade Classification (SITC), Revision 1, Sections 5 through 9 (chemical and related products, basic manufactures, manufactured articles, machinery and transport equipment, and other manufactured articles and goods not elsewhere classified), excluding Division 68 (nonferrous metals). This definition is somewhat broader than the one used to define exporters of manufactures.

The major manufactured product groups reported are defined as follows: textiles and clothing (SITC Sections 65 and 84), chemicals (SITC Section 5), electrical machinery and electronics (SITC Section 72), transport equipment (SITC Section 73), and others, defined as the residual. SITC Revision 1 data are used for the year 1970, whereas the equivalent data in Revision 2 are used for the year 1991.

Table 18. Balance of payments and reserves

The statistics for this table are mostly as reported by the IMF but do include recent estimates by World Bank staff and, in rare instances, the Bank's own coverage or classification adjustments to enhance international comparability. Values in this table are in U.S. dollars converted at current exchange rates.

The current account balance after official transfers is the difference between (a) exports of goods and services (factor and nonfactor) as well as inflows of unrequited transfers (private and official) and (b) imports of goods and services as well as all unrequited transfers to the rest of the world.

The current account balance before official transfers is the current account balance that treats net official unrequited transfers as akin to official capital movements. The difference between the two balance of payments measures is essentially foreign aid in the form of grants, technical assistance, and food aid, which, for most developing countries, tends to make current account deficits smaller than the financing requirement.

Net workers' remittances cover payments and receipts of income by migrants who are employed or expect to be employed for more than a year in their new economy, where they are considered residents. These remittances are classified as private unrequited transfers and are included in the balance of payments current account balance, whereas those derived from shorter-term stays are included in services as labor income. The distinction accords with internationally agreed guidelines, but many developing countries classify workers' remittances as a factor income receipt (hence, a component of GNP). The World Bank adheres to international guidelines in defining GNP and, therefore, may differ from national practices.

Gross international reserves comprise holdings of monetary gold, special drawing rights (SDRs), the reserve position of members in the IMF, and holdings of foreign exchange under the control of monetary authorities. The data on holdings of international reserves are from IMF data files. The gold component of these reserves is valued throughout at year-end (December 31) London prices: that is, \$37.37 an ounce in 1970 and \$353.60 an ounce in 1991. The reserve levels for 1970 and 1991 refer to the end of the year indicated and are in current U.S. dollars at prevailing exchange rates. Because of differences in the definition of international reserves, in the valuation of gold, and in reserve management practices, the levels of reserve holdings published in national sources do not have strictly comparable significance. Reserve holdings at the end of 1991 are also expressed in terms of the number of months of imports of goods and services they could pay for.

The summary measures are computed from group aggregates for gross international reserves and total imports of goods and services in current dollars.

Table 19. Official development assistance from OECD and OPEC members

Official development assistance (ODA) consists of net disbursements of loans and grants made on concessional financial terms by official agencies of the members of the Development Assistance Committee (DAC) of the Organization for Economic Cooperation and Development (OECD) and members of the Organization of Petroleum Exporting Countries (OPEC) to promote economic development and welfare. Although this definition is meant to exclude purely military assistance, the borderline is sometimes blurred; the definition used by the country of origin usually prevails. ODA also includes the value of technical cooperation and assistance. All data shown are supplied by the OECD, and all U.S. dollar values are converted at official exchange rates.

Total net flows are net disbursements to developing countries and multilateral institutions. The disbursements to multilateral institutions are now reported for all DAC members on the basis of the date of issue of notes; some DAC members previously reported on the basis of the date of encashment.

The nominal values shown in the summary for ODA from high-income OECD countries were converted at 1987 prices using the dollar GDP deflator. This deflator is based on price increases in OECD countries (excluding Greece, Portugal, and Turkey) measured in dollars. It takes into account the parity changes between the dollar and national currencies. For example, when the dollar depreciates, price changes measured in national currencies have to be adjusted upward by the amount of the depreciation to obtain price changes in dollars.

The table, in addition to showing totals for OPEC, shows totals for the Organization of Arab Petroleum Exporting Countries (OAPEC). The donor members of OAPEC are Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia, and United Arab Emirates. ODA data for OPEC and OAPEC are also obtained from the OECD.

Table 20. Official development assistance: receipts

Net disbursements of ODA from all sources consist of loans and grants made on concessional financial terms by all bilateral official agencies and multilateral sources to promote economic development and welfare. They include the value of technical cooperation and assistance. The disbursements shown in this table are not strictly comparable with those shown in

Table 19 since the receipts are from all sources; disbursements in Table 19 refer only to those made by high-income members of the OECD and members of OPEC. Net disbursements equal gross disbursements less payments to the originators of aid for amortization of past aid receipts. Net disbursements of ODA are shown per capita and as a percentage of GNP.

The summary measures of per capita ODA are computed from group aggregates for population and for ODA. Summary measures for ODA as a percentage of GNP are computed from group totals for ODA and for GNP in current U.S. dollars.

Table 21. Total external debt

The data on debt in this and successive tables are from the World Bank Debtor Reporting System, supplemented by World Bank estimates. That system is concerned solely with developing economies and does not collect data on external debt for other groups of borrowers or from economies that are not members of the World Bank. The dollar figures on debt shown in Tables 21 through 25 are in U.S. dollars converted at official exchange rates.

The data on debt include private nonguaranteed debt reported by twenty-seven developing countries and complete or partial estimates for an additional twenty others that do not report but for which this type of debt is known to be significant.

Public loans are external obligations of public debtors, including the national government, its agencies, and autonomous public bodies. Publicly guaranteed loans are external obligations of private debtors that are guaranteed for repayment by a public entity. These two categories are aggregated in the tables. Private nonguaranteed loans are external obligations of private debtors that are not guaranteed for repayment by a public entity.

Use of IMF credit denotes repurchase obligations to the IMF for all uses of IMF resources, excluding those resulting from drawings in the reserve tranche. It is shown for the end of the year specified. It comprises purchases outstanding under the credit tranches, including enlarged access resources, and all special facilities (the buffer stock, compensatory financing, extended fund, and oil facilities), Trust Fund loans, and operations under the enhanced structural adjustment facilities. Use of IMF credit outstanding at year-end (a stock) is converted to U.S. dollars at the dollar-SDR exchange rate in effect at year-end.

Short-term debt is debt with an original maturity of one year or less. Available data permit no distinctions between public and private nonguaranteed short-term debt.

Total external debt is defined here as the sum of public, publicly guaranteed, and private nonguaranteed

long-term debt, use of IMF credit, and short-term debt

Total arrears on LDOD denotes principal and interest due but not paid.

Present value is the discounted value of the future debt service payments.

Table 22. Flow of public and private external capital

Data on disbursements, repayment of principal (amortization), and payment of interest are for public, publicly guaranteed, and private nonguaranteed long-term loans.

Disbursements are drawings on long-term loan commitments during the year specified.

Repayments of principal are actual amount of principal (amortization) paid in foreign currency, goods, or services in the year specified.

Interest payments are actual amounts of interest paid in foreign currency, goods, or services in the year specified.

Table 23. Aggregate net resource flows and net transfers

Net flows on long-term debt are disbursements less the repayment of principal on public, publicly guaranteed, and private nonguaranteed long-term debt. Official grants are transfers made by an official agency in cash or in kind in respect of which no legal debt is incurred by the recipient. Data on official grants exclude grants for technical assistance.

Net foreign direct investment is defined as investment that is made to acquire a lasting interest (usually 10 percent of the voting stock) in an enterprise operating in a country other than that of the investor (defined according to residency), the investor's purpose being an effective voice in the management of the enterprise. Aggregate net resource flows are the sum of net flows on long-term debt (excluding use of IMF credit), plus official grants (excluding technical assistance) and net foreign direct investment. Aggregate net transfers are equal to aggregate net resource flows minus interest payments on long-term loans and remittance of all profits.

Table 24. Total external debt ratios

Total external debt as a percentage of exports of goods and services represents public, publicly guaranteed, private nonguaranteed long-term debt, use of IMF credit, and short-term debt drawn at year-end, net of repayments of principal and write-offs. Throughout this table, goods and services include workers' remittances. For estimating total external debt as a percentage of GNP, the debt figures are converted into U.S. dol-

lars from currencies of repayment at end-of-year official exchange rates. GNP is converted from national currencies to U.S. dollars by applying the conversion procedure described in the technical note for Tables 2 and 3.

Total debt service as a percentage of goods and services is the sum of principal repayments and interest payments on total external debt (as defined in the note for Table 21). It is one of several conventional measures used to assess a country's ability to service debt.

Interest payments as a percentage of exports of goods and services are actual payments made on total external debt.

The summary measures are weighted by exports of goods and services in current dollars and by GNP in current dollars, respectively.

Concessional debt as a percentage of total external debt conveys information about the borrower's receipt of aid from official lenders at concessional terms as defined by the DAC, that is, loans with an original grant element of 25 percent or more.

Multilateral debt as a percentage of total external debt conveys information about the borrower's receipt of aid from the World Bank, regional development banks, and other multilateral and intergovernmental agencies. Excluded are loans from funds administered by an international organization on behalf of a single donor government.

Table 25. Terms of external public borrowing

Commitments refer to the public and publicly guaranteed loans for which contracts were signed in the year specified. They are reported in currencies of repayment and converted into U.S. dollars at average annual official exchange rates.

Figures for interest rates, maturities, and grace periods are averages weighted by the amounts of the loans. Interest is the major charge levied on a loan and is usually computed on the amount of principal drawn and outstanding. The maturity of a loan is the interval between the agreement date, when a loan agreement is signed or bonds are issued, and the date of final repayment of principal. The grace period is the interval between the agreement date and the date of the first repayment of principal.

Public loans with variable interest rates, as a percentage of public debt refer to interest rates that float with movements in a key market rate; for example, the London interbank offered rate (LIBOR) or the U.S. prime rate. This column shows the borrower's exposure to changes in international interest rates.

The summary measures in this table are weighted by the amounts of the loans.

Table 26. Population growth and projections

Population growth rates are period averages calculated from midyear populations.

Population estimates for mid-1991 and estimates of fertility and mortality are made by the World Bank from data provided by the U.N. Population Division, the U.N. Statistical Office, and country statistical offices. Estimates take into account the results of the latest population censuses, which in some cases are neither recent nor accurate. Note that refugees not permanently settled in the country of asylum are generally considered to be part of the population of their country of origin.

The projections of population for 2000, 2025, and the year in which the population will eventually become stationary (see definition below) are made for each economy separately. Information on total population by age and sex, fertility, mortality, and international migration is projected on the basis of generalized assumptions until the population becomes stationary.

A stationary population is one in which age- and sex-specific mortality rates have not changed over a long period, and during which fertility rates have remained at replacement level; that is, when the net reproduction rate (defined in the note for Table 27) equals 1. In such a population, the birth rate is constant and equal to the death rate, the age structure is constant, and the growth rate is zero.

Population projections are made age cohort by age cohort. Mortality, fertility, and migration are projected separately, and the results are applied iteratively to the 1990 base-year age structure. For the projection period 1990 to 2005, the changes in mortality are country specific: increments in life expectancy and decrements in infant mortality are based on previous trends for each country. When female secondary school enrollment is high, mortality is assumed to decline more quickly. Infant mortality is projected separately from adult mortality. Note that the data reflect the potentially significant impact of the human immunodeficiency virus (HIV) epidemic.

Projected fertility rates are also based on previous trends. For countries in which fertility has started to decline (termed "fertility transition"), this trend is assumed to continue. It has been observed that no country where the population has a life expectancy of less than 50 years has experienced a fertility decline; for these countries, fertility transition is delayed, and the average decline of the group of countries in fertility transition is applied. Countries with below-replacement fertility are assumed to have constant total fertility rates until 1995–2000 and to regain replacement level by 2030.

International migration rates are based on past and present trends in migration flows and migration policy. Among the sources consulted are estimates and projections made by national statistical offices, international agencies, and research institutions. Because of the uncertainty of future migration trends, it is assumed in the projections that net migration rates will reach zero by 2025.

The estimates of the size of the stationary population are very long-term projections. They are included only to show the implications of recent fertility and mortality trends on the basis of generalized assumptions. A fuller description of the methods and assumptions used to calculate the estimates is contained in *World Population Projections*, 1992–93 Edition.

Table 27. Demography and fertility

The crude birth rate and crude death rate indicate respectively the number of live births and deaths occurring per thousand population in a year. They come from the sources mentioned in the note to Table 26.

Women of childbearing age are those in the 15-49 agegroup.

The total fertility rate represents the number of children that would be born to a woman if she were to live to the end of her childbearing years and bear children at each age in accordance with prevailing age-specific fertility rates. The rates given are from the sources mentioned in the note for Table 26.

The net reproduction rate (NRR), which measures the number of daughters a newborn girl will bear during her lifetime, assuming fixed age-specific fertility and mortality rates, reflects the extent to which a cohort of newborn girls will reproduce themselves. An NRR of 1 indicates that fertility is at replacement level: at this rate women will bear, on average, only enough daughters to replace themselves in the population. As with the size of the stationary population, the assumed year of reaching replacement-level fertility is speculative and should not be regarded as a prediction.

Married women of childbearing age using contraception are women who are practicing, or whose husbands are practicing, any form of contraception. Contraceptive usage is generally measured for women age 15 to 49. A few countries use measures relating to other age groups, especially 15 to 44.

Data are mainly derived from demographic and health surveys, contraceptive prevalence surveys, World Bank country data, and Mauldin and Segal's article "Prevalence of Contraceptive Use: Trends and Issues" in volume 19 of Studies in Family Planning (1988). For a few countries for which no survey data are available, and for several African countries, program statistics are used. Program statistics may un-

derstate contraceptive prevalence because they do not measure use of methods such as rhythm, withdrawal, or abstinence, nor use of contraceptives not obtained through the official family planning program. The data refer to rates prevailing in a variety of years, generally not more than two years before the year specified in the table.

All summary measures are country data weighted by each country's share in the aggregate population.

Table 28. Health and nutrition

The estimates of population per physician and per nursing person are derived from World Health Organization (WHO) data and are supplemented by data obtained directly by the World Bank from national sources. The data refer to a variety of years, generally no more than two years before the year specified. Nursing persons include auxiliary nurses, as well as paraprofessional personnel such as traditional birth attendants. The inclusion of auxiliary and paraprofessional personnel provides more realistic estimates of available nursing care. Because definitions of doctors and nursing personnel vary—and because the data shown are for a variety of years—the data for these two indicators are not strictly comparable across countries.

Data on births attended by health staff show the percentage of births recorded where a recognized health service worker was in attendance. The data are from WHO, supplemented by UNICEF data. They are based on national sources, derived mostly from official community reports and hospital records; some reflect only births in hospitals and other medical institutions. Sometimes smaller private and rural hospitals are excluded, and sometimes even relatively primitive local facilities are included. The coverage is therefore not always comprehensive, and the figures should be treated with extreme caution.

Babies with low birth weight are children born weighing less than 2,500 grams. Low birth weight is frequently associated with maternal malnutrition. It tends to raise the risk of infant mortality and lead to poor growth in infancy and childhood, thus increasing the incidence of other forms of retarded development. The figures are derived from both WHO and UNICEF sources and are based on national data. The data are not strictly comparable across countries since they are compiled from a combination of surveys and administrative records that may not have representative national coverage.

The *infant mortality rate* is the number of infants who die before reaching one year of age, per thousand live births in a given year. The data are from the U.N. publication *Mortality of Children under Age 5: Projections*, 1950–2025 as well as from the World Bank.

The years of life lost (per 1,000 population) conveys the burden of mortality in absolute terms. It is composed of the sum of the years lost to premature death per 1,000 population. Years of life lost at age x are measured by subtracting the remaining expected years of life, given a life expectancy at birth fixed at 80 years for men and 82.5 for women. This indicator depends on the effect of three variables: the age structure of the population, the overall rate of mortality, and the age structure of mortality.

Child malnutrition measures the percentage of children under five with a deficiency or an excess of nutrients that interfere with their health and genetic potential for growth. Methods of assessment vary, but the most commonly used are the following: less than 80 percent of the standard weight for age; less than minus two standard deviation from the 50th percentile of the weight for age reference population; and the Gomez scale of malnutrition. Note that for a few countries the figures are for children of three or four years of age and younger. The summary measures in this table are country data weighted by each country's share in the aggregate population.

Table 29. Education

The data in this table refer to a variety of years, generally not more than two years distant from those specified; however, figures for females sometimes refer to a year earlier than that for overall totals. The data are mostly from UNESCO.

Primary school enrollment data are estimates of children of all ages enrolled in primary school. Figures are expressed as the ratio of pupils to the population of school-age children. Although many countries consider primary school age to be 6 to 11 years, others do not. For some countries with universal primary education, the gross enrollment ratios may exceed 100 percent because some pupils are younger or older than the country's standard primary school age.

The data on *secondary* school enrollment are calculated in the same manner, but again the definition of secondary school age differs among countries. It is most commonly considered to be 12 to 17 years. Late entry of more mature students as well as repetition and the phenomenon of "bunching" in final grades can influence these ratios.

The tertiary enrollment ratio is calculated by dividing the number of pupils enrolled in all post-secondary schools and universities by the population in the 20-24 age group. Pupils attending vocational schools, adult education programs, two-year community colleges, and distance education centers (primarily correspondence courses) are included. The distribution of pupils across these different types of institutions

varies among countries. The youth population—that is, 20 to 24 years—has been adopted by UNESCO as the denominator since it represents an average tertiary level cohort even though people above and below this age group may be registered in tertiary institutions.

Primary net enrollment is the percentage of schoolage children who are enrolled in school. Unlike gross enrollment, the net ratios correspond to the country's primary-school age group. This indicator gives a much clearer idea of how many children in the age group are actually enrolled in school without the numbers being inflated by over- or under-age children.

The *primary pupil-teacher ratio* is the number of pupils enrolled in school in a country, divided by the number of teachers in the education system.

The summary measures in this table are country enrollment rates weighted by each country's share in the aggregate population.

Table 30. Income distribution and PPC estimates of GDP

The first six columns of the table report distribution of income or expenditure accruing to percentile groups of households ranked by total household income, per capita income, or expenditure. The last four columns contain estimates of per capita GDP based on purchasing power of currencies (PPCs) rather than exchange rates (see below for the definition of PPC).

The first six columns of the table give the shares of population quintiles and the top decile in total income or consumption expenditure for 36 low- and middle-income countries, and 20 high-income countries. The rest of this note refers to the former set of countries. The data sets for these countries refer to different years between 1981 and 1991, and are drawn from nationally representative household surveys. The data sets have been compiled from two main sources: government statistical agencies (often using published reports), and the World Bank (mostly data originating from the Living Standards Measurement Study). In cases where the original unit record data from the household survey were available, these have been used to calculate directly the income (or expenditure) shares of different quantiles; otherwise, the latter have been estimated from the best available grouped data. For further details on both the data and the estimation methodology, see Chen, Datt, and Ravallion, 1993.

There are several comparability problems across countries in the underlying household surveys, though these problems are diminishing over time as survey methodologies are both improving and becoming more standardized, particularly under the initiatives of the United Nations (under the Household Survey Capability Program) and the World Bank (under the Living Standard Measurement Study and the Social Dimensions of Adjustment Project for Sub-Saharan Africa). The data presented here should nevertheless be interpreted with caution. In particular, the following three sources of noncomparability ought to be noted. First, the surveys differ in using income or consumption expenditure as the living standard indicator. For 17 of the 36 low- and middleincome countries, the data refer to consumption expenditure. Typically, income is more unequally distributed than consumption. Second, the surveys differ in using the household or the individual as their unit of observation; in the former case, the quantiles refer to percentage of households, rather than percentage of persons. Third, the surveys also differ according to whether the units of observation are ranked by household income (or consumption) or by per capita income (or consumption). The footnotes to the table identify these differences for each country.

The 1987 indexed figures on PPC-based GDP per capita (US=100) are presented in the seventh column. They include: (i) results of the International Comparison Programme (ICP) Phase VI for 1990 for OECD countries extrapolated backward to 1987; (ii) results of ICP Phase V for 1985 for non-OECD countries extrapolated to 1987; (iii) the latest available results from either Phase IV for 1980 or Phase III for 1975 extrapolated to 1987 for countries that participated in the earlier phases only; (iv) World Bank estimates for the economies of the Former Soviet Union (FSU) based on partial and preliminary ICP data for the former U.S.S.R. for 1990 extrapolated to 1987; (v) a World Bank estimate for China; and (vi) ICP estimates obtained by regression for the remaining countries that did not participate in any of the phases. Economies whose 1987 figures are extrapolated from another year or imputed by regression are footnoted accordingly.

The blend of extrapolated and regression-based 1987 figures underlying the seventh column is extrapolated to 1991 using Bank estimates of real per capita GDP growth rates and expressed as an index (US=100) in the eighth column. For countries that have ever participated in ICP, as well as for China and the economies of the FSU, the latest available PPC-based values are extrapolated to 1991 by Bank estimates of growth rates and converted to current "international dollars" by scaling all results up by the U.S. inflation rates; these are presented in the ninth column. Footnotes indicate which year PPC-based data were extrapolated. Regression estimates of all countries except FSU economies, whether or not they participated in ICP, extrapolated from 1987 to 1991

and expressed in 1991 international dollars, are presented in the tenth column. The adjustments do not take account of changes in the terms of trade. The observed figures should be used wherever available. Where both observed and regression numbers are available a comparison between the two indicates the range of errors associated with the regression estimates. For countries that do not have PPC-based observed data, there is no alternative to the use of regression estimates, but the extent and direction of errors cannot be inferred in these cases.

ICP recasts traditional national accounts through special price collections and disaggregation of GDP by expenditure components. ICP details are prepared by national statistical offices, and the results are coordinated by the U.N. Statistical Division (UNSTAT) with support from other international agencies, particularly the Statistical Office of the European Communities (Eurostat) and the Organization for Economic Cooperation and Development (OECD). The World Bank, the Economic Commission for Europe, and the Economic and Social Commission for Asia and the Pacific (ESCAP) also contribute to this exercise. A total of sixty-four countries participated in ICP Phase V. For one country (Nepal), total GDP data were not available, and comparisons were made for consumption only. Luxembourg and Swaziland are the only two economies with populations under 1 million that have participated in ICP; their 1987 results, as a percentage of the U.S. results, are 83.1 and 15.0, respectively. The figures given here are subject to change and should be regarded as indicative only.

The next round of ICP surveys for 1993 is expected to cover more than eighty countries, including China and several FSU economies.

The "international dollar" (I\$) has the same purchasing power over total GDP as the U.S. dollar in a given year, but purchasing power over subaggregates is determined by average international prices at that level rather than by U.S. relative prices. These dollar values, which are different from the dollar values of GNP or GDP shown in Tables 1 and 3 (see the technical notes for these tables), are obtained by special conversion factors designed to equalize the purchasing powers of currencies in the respective countries. This conversion factor, the Purchasing Power of Currencies (PPC), is defined as the number of units of a country's currency required to buy the same amounts of goods and services in the domestic market as one dollar would buy in the United States. The computation involves deriving implicit quantities from national accounts expenditure data and specially collected price data and then revaluing the implicit quantities in each country at a single set of average prices. The average price index thus equalizes dollar prices in every country so that cross-country comparisons of GDP based on them reflect differences in quantities of goods and services free of price-level differentials. This procedure is designed to bring cross-country comparisons in line with cross-time real value comparisons that are based on constant price series.

The ICP figures presented here are the results of a two-step exercise. Countries within a region or group such as the OECD are first compared using their own group average prices. Next, since group average prices may differ from each other, making the countries in different groups not comparable, the group prices are adjusted to make them comparable at the world level. The adjustments, done by UNSTAT and Eurostat, are based on price differentials observed in a network of ''link'' countries representing each group. However, the linking is done in a manner that retains in the world comparison the relative levels of GDP observed in the group comparisons, called ''fixity.''

The two-step process was adopted because the relative GDP levels and rankings of two countries may change when more countries are brought into the comparison. It was felt that this should not be allowed to happen within geographic regions; that is, that the relationship of, say, Ghana and Senegal should not be affected by the prices prevailing in the United States. Thus overall GDP per capita levels are calculated at "regional" prices and then linked together. The linking is done by revaluing GDPs of all the countries at average "world" prices and reallocating the new regional totals on the basis of each country's share in the original comparison.

Such a method does not permit the comparison of more detailed quantities (such as food consumption). Hence these subaggregates and more detailed expenditure categories are calculated using world prices. These quantities are indeed comparable internationally, but they do not add up to the indicated GDPs because they are calculated at a different set of prices.

Some countries belong to several regional groups. A few of the groups have priority; others are equal. Thus fixity is always maintained between members of the European Communities, even within the OECD and world comparison. For Austria and Finland, however, the bilateral relationship that prevails within the OECD comparison is also the one used within the global comparison. But a significantly different relationship (based on Central European prices) prevails in the comparison within that group, and this is the relationship presented in the separate publication of the European comparison.

To derive ICP-based 1987 figures for countries that are yet to participate in any ICP survey, an estimating

equation is first obtained by fitting the following regression to 1987 data:

 $\ln(r) = .5603 \ln(\text{ATLAS}) + .3136 \ln(\text{ENROL}) + .5706;$ (.0304) (.0574) (.1734)

RMSE = .2324; Adj.R-Sq = .95; N = 78.

where all variables and estimated values are expressed as US=100;

r = ICP estimates of per capita GDP converted to U.S. dollars by PPC, the array of r consisting of extrapolations of the most recent actual ICP values available for countries that ever participated in ICP;

ATLAS = per capita GNP estimated by the Atlas method;

ENROL = secondary school enrollment ratio; and RMSE = root mean squared error.

ATLAS and ENROL are used as rough proxies of intercountry wage differentials for unskilled and skilled human capital, respectively. Following Isenman (see Paul Isenman, "Inter-Country Comparisons of 'Real' (PPP) Incomes: Revised Estimates and Unresolved Questions," in World Development, 1980, vol. 8, pp.61-72), the rationale adopted here is that ICP and conventional estimates of GDP differ mainly because wage differences persist among nations due to constraints on the international mobility of labor. A technical paper providing fuller explanation is available on request (Sultan Ahmad, "Regression Estimates of Per Capita GDP Based on Purchasing Power Parities," Working Paper Series 956, International Economics Department, World Bank, 1992. For further details on ICP procedures, readers may consult the ICP Phase IV report, World Comparisons of Purchasing Power and Real Product for 1980 (New York: United Nations, 1986).

Table 31. Urbanization

Data on urban population and agglomeration in large cities are from the U.N.'s World Urbanization Prospects, supplemented by data from the World Bank. The growth rates of urban population are calculated from the World Bank's population estimates; the estimates of urban population shares are calculated from both sources just cited.

Because the estimates in this table are based on different national definitions of what is urban, crosscountry comparisons should be made with caution.

The summary measures for urban population as a percentage of total population are calculated from country percentages weighted by each country's share in the aggregate population; the other summary measures in this table are weighted in the same fashion, using urban population.

Table 32. Women in development

This table provides some basic indicators disaggregated to show differences between the sexes that illustrate the condition of women in society. The measures reflect the demographic status of women and their access to health and education services. Statistical anomalies become even more apparent when social indicators are analyzed by gender, because reporting systems are often weak in areas related specifically to women. Indicators drawn from censuses and surveys, such as those on population, tend to be about as reliable for women as for men; but indicators based largely on administrative records, such as maternal and infant mortality, are less reliable. More resources are now being devoted to develop better information on these topics, but the reliability of data, even in the series shown, still varies significantly.

The under-5 mortality rate shows the probability of a newborn baby dying before reaching age 5. The rates are derived from life tables based on estimated current life expectancy at birth and on infant mortality rates. In general, throughout the world more males are born than females. Under good nutritional and health conditions and in times of peace, male children under 5 have a higher death rate than females. These columns show that female-male differences in the risk of dying by age 5 vary substantially. In industrial market economies, female babies have a 23 percent lower risk of dying by age 5 than male babies; the risk of dying by age 5 is actually higher for females than for males in some lower-income economies. This suggests differential treatment of males and females with respect to food and medical care.

Such discrimination particularly affects very young girls, who may get a smaller share of scarce food or receive less prompt costly medical attention. This pattern of discrimination is not uniformly associated with development. There are low- and middle-income countries (and regions within countries) where the risk of dying by age 5 for females relative to males approximates the pattern found in industrial countries. In many other countries, however, the numbers starkly demonstrate the need to associate women more closely with development. The health and welfare indicators in both Table 28 and in this table's maternal mortality column draw attention, in particular, to the conditions associated with childbearing. This activity still carries the highest risk of death for women of reproductive age in developing countries. The indicators reflect, but do not measure, both the availability of health services for women and the general welfare and nutritional status of mothers.

Life expectancy at birth is defined in the note to Table 1.

Maternal mortality refers to the number of female deaths that occur during childbirth per 100,000 live births. Because deaths during childbirth are defined more widely in some countries to include complications of pregnancy or the period after childbirth, or of abortion, and because many pregnant women die from lack of suitable health care, maternal mortality is difficult to measure consistently and reliably across countries. The data in these two series are drawn from diverse national sources and collected by the World Health Organization (WHO), although many national administrative systems are weak and do not record vital events in a systematic way. The data are derived mostly from official community reports and hospital records, and some reflect only deaths in hospitals and other medical institutions. Sometimes smaller private and rural hospitals are excluded, and sometimes even relatively primitive local facilities are included. The coverage is therefore not always comprehensive, and the figures should be treated with extreme caution.

Clearly, many maternal deaths go unrecorded, particularly in countries with remote rural populations; this accounts for some of the very low numbers shown in the table, especially for several African countries. Moreover, it is not clear whether an increase in the number of mothers in hospital reflects more extensive medical care for women or more complications in pregnancy and childbirth because of poor nutrition, for instance. (Table 28 shows data on low birth weight.)

These time series attempt to bring together readily available information not always presented in international publications. WHO warns that there are inevitably gaps in the series, and it has invited countries to provide more comprehensive figures. They are reproduced here, from the 1991 WHO publication *Maternal Mortality: A Global Factbook*. The data refer to any year from 1983 to 1991.

The *education* indicators, based on UNESCO sources, show the extent to which females have equal access to schooling.

Percentage of cohort persisting to grade 4 is the percentage of children starting primary school in 1970 and 1986, respectively, who continued to the fourth grade by 1973 and 1989. Figures in italics represent earlier or later cohorts. The data are based on enrollment records. The slightly higher persistence ratios for females in some African countries may indicate male participation in activities such as animal herding.

All things being equal, and opportunities being the same, the ratios for *females per 100 males* should be close to 100. However, inequalities may cause the ratios to move in different directions. For example, the number of females per 100 males will rise at second-

ary school level if male attendance declines more rapidly in the final grades because of males' greater job opportunities, conscription into the army, or migration in search of work. In addition, since the numbers in these columns refer mainly to general secondary education, they do not capture those (mostly males) enrolled in technical and vocational schools or in full-time apprenticeships, as in Eastern Europe.

All summary measures are country data weighted by each country's share in the aggregate population.

Table 33. Forests, protected areas, and water resources

This table on natural resources represents a step toward including environmental data in the assessment of development and the planning of economic strategies. It provides a partial picture of the status of forests, the extent of areas protected for conservation or other environmentally related purposes, and the availability and use of fresh water. The data reported here are drawn from the most authoritative sources available. Perhaps even more than other data in this Report, however, these data should be used with caution. Although they accurately characterize major differences in resources and uses among countries, true comparability is limited because of variation in data collection, statistical methods, definitions, and government resources.

No conceptual framework has yet been agreed upon that integrates natural resource and traditional economic data. Nor are the measures shown in this table intended to be final indicators of natural resource wealth, environmental health, or resource depletion. They have been chosen because they are available for most countries, are testable, and reflect some general conditions of the environment.

The total area of forest refers to the total natural stands of woody vegetation in which trees predominate. These estimates are derived from country statistics assembled by the Food and Agriculture Organization (FAO) in 1980. Some of them are based on more recent inventories or satellite-based assessments performed during the 1980s. In 1993 the FAO will complete and publish an assessment of world forest extent and health that should modify some of these estimates substantially. The total area of closed forest refers to those forest areas where trees cover a high proportion of the ground and there is no continuous ground cover. Closed forest, for members of the Economic Commission for Europe (ECE), however, is defined as those forest areas where tree crowns cover more than 20 percent of the area. These natural stands do not include tree plantations. More recent estimates of total forest cover are available for some countries. Total forest area in the Philippines was estimated to be between 68,000 and 71,000 square kilometers in 1987. The most recent estimate for Malaysia is 185,000 square kilometers.

Total annual deforestation refers to both closed and open forest. Open forest is defined as at least a 10 percent tree cover with a continuous ground cover. In the ECE countries, open forest has 5-20 percent crown cover or a mixture of bush and stunted trees. Deforestation is defined as the permanent conversion of forest land to other uses, including pasture, shifting cultivation, mechanized agriculture, or infrastructure development. Deforested areas do not include areas logged but intended for regeneration, nor areas degraded by fuelwood gathering, acid precipitation, or forest fires. In temperate industrialized countries the permanent conversion of remaining forest to other uses is relatively rare. Assessments of annual deforestation, both in open and closed forest, are difficult to make and are usually undertaken as special studies. The estimates shown here for 1981-85 were calculated in 1980, projecting the rate of deforestation during the first five years of the decade. Figures from other periods are based on more recent or better assessments than those used in the 1980 projections.

Special note should be taken of Brazil—the country with the world's largest tropical closed forest—which now undertakes annual deforestation estimates. The estimate of deforestation is the most recent. Brazil is unique in having several assessments of forest extent and deforestation that use common methodology based on images from Landsat satellites. Closed forest deforestation in the Legal Amazon of Brazil during 1990 is estimated at 13,800 square kilometers, down from the 17,900 square kilometers estimated in 1989. Between 1978 and 1988, deforestation in this region averaged about 21,000 square kilometers per year, having peaked in 1987 and declined greatly thereafter. By 1990, cumulative deforestation (both recent and historical) within the Legal Amazon totaled 415,000 square kilometers. Deforestation outside the Legal Amazon also occurs, but there is much less information on its extent. A 1980 estimate, that open forest deforestation in Brazil totaled about 10,500 square kilometers, is the most recent available.

Nationally protected areas are areas of at least 1,000 hectares that fall into one of five management categories: scientific reserves and strict nature reserves; national parks of national or international significance (not materially affected by human activity); natural monuments and natural landscapes with some unique aspects; managed nature reserves and wild-life sanctuaries; and protected landscapes and seascapes (which may include cultural landscapes). This table does not include sites protected under local or provincial law or areas where consumptive uses of wildlife are allowed. These data are subject to varia-

tions in definition and in reporting to the organizations, such as the World Conservation Monitoring Centre, that compile and disseminate these data. Total surface area is used to calculate the percentage of total area protected.

Freshwater withdrawal data are subject to variation in collection and estimation methods but accurately show the magnitude of water use in both total and per capita terms. These data, however, also hide what can be significant variation in total renewable water resources from one year to another. They also fail to distinguish the variation in water availability within a country both seasonally and geographically. Because freshwater resources are based on long-term averages, their estimation explicitly excludes decadelong cycles of wet and dry. The Département Hydrogéologie in Orléans, France, compiles water resource and withdrawal data from published documents, including national, United Nations, and professional literature. The Institute of Geography at the National Academy of Sciences in Moscow also compiles global water data on the basis of published work and, where necessary, estimates water resources and consumption from models that use other data, such as area under irrigation, livestock populations, and precipitation. These and other sources have been combined by the World Resources Institute to generate (unpublished) data for this table. Withdrawal data are for single years and vary from country to country between 1970 and 1989. Data for small countries and countries in arid and semiarid zones are less reliable than those for larger countries and those with higher rainfall.

Total water resources include both internal renewable resources and, where noted, river flows from other countries. Estimates are from 1992. Annual internal renewable water resources refer to the average annual flow of rivers and of aquifers generated from rainfall within the country. The total withdrawn and the percentage withdrawn of the total renewable resource are both reported in this table. Withdrawals include those from nonrenewable aquifers and desalting plants but do not include evaporative losses. Withdrawals can exceed 100 percent of renewable supplies when extractions from nonrenewable aquifers or desalting plants are considerable or if there is significant water reuse. Total per capita water withdrawal is calculated by dividing a country's total withdrawal by its population in the year that withdrawal estimates are available. Domestic use includes drinking water, municipal use or supply, and uses for public services, commercial establishments, and homes. Direct withdrawals for industrial use, including withdrawals for cooling thermoelectric plants, are combined in the final column of this table with withdrawals for agriculture (irrigation and livestock production). Numbers may not sum to the total per capita figure because of rounding.



Data sources

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Part 1 Classification of economies by income and region

		Sub-Sahar	an Africa ^a	Asia		Europe and C	Central Asia	Middle East an	d North Africa	
Income group	Subgroup	East & Southern Africa	West Africa	East Asia and Pacific	South Asia	Eastern Europe and Central Asia	Rest of Europe	Middle East	North Africa	- Americas
.ow- ncome		Burundi Comoros Ethiopia Kenya Lesotho Madagascar Malawi Mozambique Rwanda Somalia Sudan Tanzania Uganda Zaire Zambia Zimbabwe	Benin Burkina Faso Central African Rep. Chad Equatorial Guinea Gambia, The Ghana Guinea Guinea-Bissau Liberia Mali Mauritania Niger Nigeria São Tomé and Principe Sierra Leone Togo	Cambodia China Indonesia Lao PDR Myanmar Solomon Islands Viet Nam	Afghanistan Bangladesh Bhutan India Maldives Nepal Pakistan Sri Lanka		·	Yemen, Rep.	Egypt, Arab Rep.	Guyana Haiti Honduras Nicaragua
	Lower	Angola Djibouti Mauritius Namibia Swaziland	Cameroon Cape Verde Congo Côte d'Ivoire Senegal	Fiji Kiribati Korea, Dem. Rep. Malaysia Marshall Islands Micronesia, Fed. Sts. Mongolia Papua New Guinea Philippines Thailand Tonga Vanuatu Western Samoa		Albania Armenia Azerbaijan Bulgaria Czecho- slovakla ^b Georgia Kazakhstan Kyrgyzstan Moldova Poland Romania Tajikistan Turkmenistan Ukraine Uzbekistan	Turkey	Iran, Islamic Rep. Iraq Jordan Lebanon Syrian Arab Rep.	Algeria Morocco Tunisia	Belize Bolivia Chile Colombia Costa Rica Cuba Dominican Rep. Ecuador El Salvador Grenada Guatemala Jamaica Panama Paraguay Peru St. Lucia
Middle- income	Upper	Botswana Mayotte Reunion Seychelles South Africa	Gabon	American Samoa Guam Korea, Rep. Macao New Caledonia		Belarus Estonia Hungary Latvia Lithuania Russian Federation Yugoslavia ^c	Gibraltar Greece Isle of Man Malta Portugal	Bahrain Oman Saudi Arabia	Libya	St. Vincent Antigua am Barbuda Argentina Aruba Barbados Brazil French Guiana Guadeloup Martinique Mexico Netherland Antilles Puerto Ricc St. Kitts am Nevis Suriname Trinidad and Tobaq Uruguay Venezuela
,	& middle- nomies: 162	26	23	25	8	22	6	9	5	38

Part 1 (continued)

		Sub-Saharan Africa ^a		As	sia	Europe and	Central Asia	Middle East an	ıd North Africa	
Income group.	Subgroup	East & Southern Africa	West Africa	East Asia and Pacific	South Asia	Eastern Europe and Central Asia	Rest of Europe	Middle East	North Africa	Americas
High- income	OECD countries			Australia Japan New Zealand			Andorra Austria Belgium Denmark Finland France Germany Iceland Italy Luxembourg Netherlands Norway San Marino Spain Sweden Switzerland United Kingdom			Canada United States
	Non-OECD countries			Brunei French Polynesia Hong Kong Singapore OAE ^d			Channel Islands Cyprus Faeroe Islands Greenland	Israel Kuwait Qatar United Arab Emirates		Bahamas Bermuda Virgin Islands (US)
Total no. of economies:	201	26	23	33	8	22	28	13	5	43

Definitions of groups

These tables classify all World Bank member economies, plus all other economies with populations of more than 30,000.

Income group: Economies are divided according to 1991 GNP per capita, calculated using the World Bank Atlas method. The groups are: low-income, \$635 or less; lower-middle-income, \$636-2,555; upper-middle-income, \$2,556-\$7,910; and high-income, \$7,911 or more.

The estimates for the republics of the former Soviet Union should be regarded as very preliminary; their classification will be kept under review.

<sup>a. For some analysis, South Africa is not included in Sub-Saharan Africa.
b. Refers to the former Czechoslovakia; disaggregated data are not yet available.
c. Refers to the former Socialist Federal Republic of Yugoslavia; disaggregated data are not yet available.</sup>

d. Other Asian economies—Taiwan, China.

Part 2 Classification of economies by major export category and indebtedness

			Lo	w- and middle-inc	_			*** 1	
		Low-income		Middle-income				High-income	
Group	Severely indebted	Moderately indebted	Less indebted	Severely indebted	Moderately indebted	Less indebted	Not classified by indebtedness	OECD	non-OECD
Exporters of manufactures			China	Bulgaria Poland	Hungary	Czecho- slovakia ^a Korea, Dem. Rep. Korea, Rep. Lebanon Macao Romania	Armenia Belarus Estonia Georgia Kyrgyzstan Latvia Lithuania Moldova Russian Federation Ukraine Uzbekistan	Belgium Canada Finland Germany Ireland Italy Japan Luxembourg Sweden Switzerland	Hong Kong Israel Singapore OAE
Exporters of nonfuel primary products	Afghanistan Burundi Equatorial Guinea Ethiopia Ghana Guinea-Bissau Guyana Honduras Liberia Madagascar Mauritania Myanmar Nicaragua Niger São Tomé and Principe Somalia Tanzania Uganda Viet Nam Zaire Zambia	Guinea Malawi Rwanda Togo	Chad Solomon Islands Zimbabwe	Albania Argentina Bolivia Côte d'Ivoire Cuba Mongolia Peru	Chile Costa Rica Guatemala Papua New Guinea	Botswana French Guiana Guadeloupe Namibia Paraguay Reunion St. Vincent Suriname Swaziland	American Samoa	Iceland New Zealand	Faeroe Islands Greenland
Exporters of fuels (mainly oil)	Nigeria	2		Algeria Angola Congo Iraq	Gabon Venezuela	Iran, Islamic Rep. Libya Oman Saudi Arabia Trinidad and Tobago	Turkmenistan		Brunei Qatar United Arab Emirates
Exporters of services	Cambodia Egypt, Arab Rep. Sudan	Benin Gambia, The Haiti Maldives Nepal Yemen, Rep.	Bhutan Burkina Faso Lesotho	Jamaica Jordan Panama	Dominican Rep. Greece	Antigua and Barbuda Barbuda Barbados Cape Verde Djibouti El Salvador Fiji Grenada Kiribati Malta Martinique Netherlands Antilles Seychelles St. Kitts and Nevis St. Lucia Tonga Vanuatu Western Samoa	Aruba	United Kingdom	Bahamas Bermuda Cyprus French Polynesia
Diversified exporters	Kenya Lao PDR Mali Mozambique Sierra Leone	Bangladesh Central African Rep. Comoros India Indonesia Pakistan Sri Lanka		Brazil Ecuador Mexico Morocco Syrian Arab Rep.	Cameroon Colombia Philippines Senegal Tunisia Turkey Uruguay	Bahrain Belize Dominica Malaysia Mauritius Portugal South Africa Thailand Yugoslavia ^c	Azerbaijan Kazakhstan Tajikistan	Australia Austria Denmark France Netherlands Norway Spain United States	Kuwait

Part 2 (continued)

		_	_						
_		Low-income			Middle-income			High-income	
Group	Severely indebted	Moderately indebted	Less indebted	Severely indebted	Moderately indebted	Less indebted	Not classified by indebtedness	OECD	non-OECD
Not classified by export category							Gibraltar Guam Isle of Man Marshall Islands Mayotte Micronesia, Fed. Sts. New Caledonia Puerto Rico		Andorra Channel Islands San Marino Virgin Islands (US)
No. of economies 201	30	17	7	21	16	47	24	21	18

a. Refers to the former Czechoslovakia; disaggregated data are not yet available.

b. Other Asian economies—Taiwan, China.

Definitions of groups

These tables classify all World Bank member economies, plus all other economies with populations of more than 30,000.

Major export category: Major exports are those that account for 50 percent or more of total exports of goods and services from one category, in the period 1987–89. The categories are: nonfuel primary (SITC 0,1,2, 4, plus 68), fuels (SITC 3), manufactures (SITC 5 to 9, less 68), and services (factor and nonfactor service receipts plus workers' remittances). If no single category accounts for 50 percent or more of total exports, the economy is classified as diversified.

Indebtedness: Standard World Bank definitions of severe and moderate indebtedness, averaged over three years (1989–91) are used to classify economies in this table. Severely indebted means either of the two key ratios is above critical levels: present value of debt service to GNP (80 percent) and present value of debt service to exports (220 percent). Moderately indebted means either

of the two key ratios exceeds 60 percent of, but does not reach, the critical levels. For economies that do not report detailed debt statistics to the World Bank Debtor Reporting System, present-value calculation is not possible. Instead the following methodology is used to classify the non-DRS economies. Severely indebted means three of four key ratios (averaged over 1988–90) are above critical levels: debt to GNP (50 percent); debt to exports (275 percent), debt service to exports (30 percent); and interest to exports (20 percent). Moderately indebted means three of four key ratios exceed 60 percent of, but do not reach, the critical levels. All other low- and middle-income economies are classified as less-indebted.

Not classified by indebtedness are the republics of the Former Soviet Union and some small economies for which detailed debt data are not available.

c. Refers to the former Socialist Federal Republic of Yugoslavia; disaggregated data are not yet available.

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