

Table 5.2.2
LATIN AMERICA AND THE CARIBBEAN
PUBLIC EXPENDITURES ON EDUCATION IN SELECTED COUNTRIES

| | Percentages of GDP | | Per-capita expenditure (1980 dollars ^a) | |
|--------------------|--------------------|------|---|-------|
| | 1980 | 1990 | 1980 | 1990 |
| Argentina | 1.7 | 1.4 | 61.4 | 34.8 |
| Bolivia | 3.7 | 2.6 | 28.7 | 15.5 |
| Brazil | 0.6 | 1.9 | 13.0 | 36.6 |
| Chile | 11.1 | 10.7 | 200.8 | 248.1 |
| Colombia | 3.0 | n/a | 45.4 | n/a |
| Dominican Republic | 2.7 | 2.6 | 16.5 | 28.1 |
| Ecuador | 1.4 | 1.9 | 20.4 | 25.3 |
| Haiti | 1.9 | n/a | 4.6 | n/a |
| Mexico | 3.2 | 3.5 | 83.9 | 80.4 |
| Paraguay | 2.0 | 1.5 | 25.6 | 19.4 |
| Uruguay | 11.6 | 14.4 | 203.7 | 312.4 |
| Venezuela | 3.6 | 1.2 | 148.7 | 36.0 |

Notes: (a) Calculated from public expenditures on education as a percentage of GDP in national currency.

Source: Prepared from IMF, *Government finance statistics yearbook*, Washington, D. C., IMF, 1980, pp. 163-165, 114-119, 172-177, 201-211, 238-244, 399-402, 459-466, 589-602; 1991 pp. 163-165, 114-119, 172-177, 201-211, 238-244, 399-402, 459-466, 589-602. ECLAC, *Anuario estadístico de América Latina y el Caribe, 1991*, Santiago, Chile, ECLAC, 1991, pp. 165, 182-183.

Table 5.3.1
LATIN AMERICA AND THE CARIBBEAN
CHILD MORTALITY
(rates per 1,000 live births)

| | Mortality rate in children <5 years | | Mortality rate in infants <1 year | |
|-----------------------------------|-------------------------------------|------|-----------------------------------|------|
| | 1960 | 1990 | 1960 | 1990 |
| Antigua and Barbuda | n/a | 24 | n/a | 20 |
| Argentina | 75 | 35 | 61 | 31 |
| Bahamas | n/a | n/a | n/a | 25 |
| Barbados | 90 | 12 | 74 | 11 |
| Belize | n/a | 29 | n/a | 23 |
| Bolivia | 282 | 160 | 167 | 102 |
| Brazil | 159 | 83 | 116 | 60 |
| Chile | 143 | 27 | 114 | 20 |
| Colombia | 157 | 50 | 99 | 39 |
| Costa Rica | 121 | 22 | 84 | 18 |
| Cuba | 87 | 14 | 62 | 11 |
| Dominica | n/a | 20 | n/a | 17 |
| Dominican Republic | 199 | 78 | 125 | 61 |
| Ecuador | 184 | 83 | 124 | 60 |
| El Salvador | 207 | 87 | 143 | 59 |
| Grenada | n/a | 38 | n/a | 31 |
| Guatemala | 230 | 94 | 125 | 54 |
| Guyana | 126 | 71 | 100 | 52 |
| Haiti | 270 | 130 | 182 | 92 |
| Honduras | 232 | 84 | 144 | 63 |
| Jamaica | 89 | 20 | 63 | 16 |
| Mexico | 140 | 49 | 92 | 40 |
| Nicaragua | 209 | 78 | 140 | 56 |
| Panama | 105 | 31 | 69 | 22 |
| Paraguay | 134 | 60 | 86 | 41 |
| Peru | 233 | 116 | 142 | 82 |
| St. Kitts and Nevis | n/a | 44 | n/a | 37 |
| St. Lucia | n/a | 23 | n/a | 19 |
| St. Vincent and the Grenadines | n/a | 29 | n/a | 23 |
| Suriname | 95 | 38 | 70 | 31 |
| Trinidad and Tobago | 67 | 17 | 54 | 15 |
| Uruguay | 57 | 25 | 51 | 22 |
| Venezuela | 114 | 43 | 81 | 35 |

Source: UNICEF *Estado mundial de la infancia 1992* Barcelona, UNICEF, Table 1, pp. 72 and 86

Table 5.3.2
LATIN AMERICA AND THE CARIBBEAN
LIFE EXPECTANCY AT BIRTH

| | 1960-65 | 1965-70 | 1970-75 | 1975-80 | 1980-85 | 1985-90 |
|--------------------|---------|---------|---------|---------|---------|---------|
| Argentina | 65.5 | 66.0 | 67.3 | 68.7 | 69.7 | 70.6 |
| Bolivia | 43.5 | 45.1 | 46.7 | 48.6 | 50.7 | 53.1 |
| Brazil | 55.9 | 57.9 | 59.8 | 61.8 | 63.4 | 64.9 |
| Chile | 58.0 | 62.5 | 63.6 | 67.2 | 71.0 | 71.5 |
| Colombia | 56.2 | 58.4 | 60.4 | 62.2 | 63.6 | 64.6 |
| Costa Rica | 63.0 | 65.6 | 68.1 | 70.8 | 73.5 | 74.7 |
| Cuba | 65.1 | 68.5 | 70.9 | 72.8 | 73.5 | 74.0 |
| Dominican Republic | 53.6 | 57.0 | 60.0 | 62.1 | 64.4 | 65.9 |
| Ecuador | 54.7 | 56.3 | 58.9 | 61.4 | 64.3 | 65.4 |
| El Salvador | 52.3 | 55.9 | 58.8 | 57.4 | 57.2 | 62.2 |
| Guatemala | 47.0 | 50.1 | 54.0 | 56.4 | 58.0 | 62.0 |
| Haiti | 43.6 | 46.3 | 48.5 | 50.7 | 52.7 | 54.7 |
| Honduras | 47.9 | 50.9 | 54.0 | 57.7 | 61.9 | 64.0 |
| Mexico | 58.6 | 60.3 | 62.6 | 65.4 | 67.4 | 68.9 |
| Nicaragua | 48.5 | 51.6 | 56.7 | 56.3 | 59.8 | 62.3 |
| Panama | 62.0 | 61.3 | 66.3 | 69.2 | 71.0 | 72.1 |
| Paraguay | 64.4 | 65.0 | 65.0 | 66.0 | 66.4 | 68.9 |
| Peru | 49.1 | 51.5 | 55.5 | 56.9 | 53.6 | 61.4 |
| Uruguay | 68.4 | 68.6 | 68.5 | 69.6 | 70.3 | 71.0 |
| Venezuela | 61.0 | 63.8 | 66.2 | 67.7 | 67.0 | 69.7 |

Source: ECLAC 1980

Table 5.3.3
LATIN AMERICA AND THE CARIBBEAN
LEADING CAUSES OF INFANT MORTALITY
 (percentages of total deaths in children under 1 year^a)

| | Perinatal disorders | Congenital anomalies | Influenza and pneumonia | Intestinal infections | Bronchitis, emphysema, and asthma | Accidents | Nutritional deficiencies | Other |
|----------------------------|---------------------|----------------------|-------------------------|-----------------------|-----------------------------------|-----------|--------------------------|-------|
| Argentina (1986) | 55.9 | 14.1 | 4.7 | 3.7 | n/a | n/a | 0.0 | 21.6 |
| Bahamas (1987) | n/a | 11.3 | 8.1 | 1.6 | 0.8 | 5.6 | n/a | 72.5 |
| Belize (1986) | 37.5 | 3.7 | 19.1 | 13.2 | n/a | n/a | 5.1 | 21.3 |
| Brazil (1986) | 45.3 | 6.9 | 12.1 | 17.8 | n/a | n/a | 5.1 | 12.8 |
| Chile (1987) | 35.8 | 20.8 | 16.9 | 2.7 | n/a | 13.9 | n/a | 9.9 |
| Colombia (1984) | 48.4 | 8.6 | 9.7 | 10.1 | n/a | 3.4 | 3.3 | 16.5 |
| Costa Rica (1988) | 46.6 | 27.6 | 10.2 | 4.4 | n/a | 1.4 | 1.6 | 8.2 |
| Cuba (1988) | 43.5 | 25.7 | 8.2 | 4.0 | n/a | 3.7 | n/a | 14.8 |
| Dominican Republic (1985) | 45.3 | 5.9 | 7.0 | 17.9 | n/a | n/a | 2.6 | 21.0 |
| Ecuador (1987) | 33.6 | 6.1 | 10.3 | 19.9 | 8.1 | n/a | n/a | 21.3 |
| El Salvador (1984) | 58.4 | 2.8 | 4.1 | 16.9 | 6.7 | n/a | n/a | 11.0 |
| Guatemala (1984) | 50.4 | 2.9 | 16.4 | 12.9 | n/a | n/a | n/a | 17.3 |
| Guyana (1984) | 17.9 | 1.9 | 7.9 | n/a | n/a | n/a | 29.4 | 42.9 |
| Honduras (1981) | 23.6 | n/a | 8.8 | 34.5 | 7.4 | n/a | n/a | 25.7 |
| Jamaica (1984) | 25.6 | 8.3 | 6.7 | 29.8 | n/a | n/a | 13.7 | 15.9 |
| Mexico (1986) | 29.1 | 9.0 | 15.6 | 22.6 | 2.1 | n/a | 2.2 | 19.5 |
| Panama (1987) | 50.8 | 16.8 | 5.6 | 6.4 | 2.2 | 3.6 | n/a | 14.5 |
| Paraguay (1986) | 28.9 | 6.8 | 13.6 | 21.3 | n/a | n/a | 3.7 | 25.8 |
| Peru (1983) | 28.3 | n/a | 20.8 | 18.2 | 5.2 | n/a | 3.5 | 23.9 |
| Suriname (1985) | 47.2 | 14.0 | 4.9 | 15.0 | n/a | n/a | 2.8 | 16.1 |
| Trinidad and Tobago (1986) | 56.9 | 16.0 | 8.5 | 2.0 | n/a | 3.8 | n/a | 10.8 |
| Uruguay (1987) | 51.3 | 16.9 | 4.5 | n/a | n/a | 4.6 | 6.6 | 16.1 |
| Venezuela (1987) | 50.1 | 11.7 | 6.9 | 13.2 | n/a | 3.5 | n/a | 14.6 |

Notes: (a) Percentages of total deaths from defined causes. From data available in the PAHO Technical Information System, which are obtained from reports which Member Governments submit in response to PAHO's annual request. Data from Brazil and Paraguay refer to their areas of information.

Source: PAHO *Las condiciones de salud en las Américas, 1990*. Washington, D.C., PAHO, 1991, vol. I, pp. 454-460

Table 5.3.4
LATIN AMERICA AND THE CARIBBEAN
CHILD MALNUTRITION AND IMMUNIZATION COVERAGE
(1980-1991)
 (percentages of child population)

| | Weight deficiency (0-4 years) ^a | | Moderate- severe emaciation ^b (12-23 months) | Moderate- severe shortness ^c (24-59 months) | Newborns with low weight 1980-85 | Immuniza- tion rate in infants <1 year ^d |
|---------------------|---|--------|---|--|---|--|
| | moderate- severe | severe | | | | |
| Bolivia | 13 | 3 | 2 | 51 | 12 | 48 |
| Brazil | 7 | 1 | 3 | 16 | 8 | 83 |
| Chile | 3 | n/a | 1 | 10 | 7 | 98 |
| Colombia | 10 | 2 | 5 | 18 | 8 | 89 |
| Costa Rica | 6 | n/a | 3 | 8 | 6 | 93 |
| Cuba | n/a | n/a | 1 | n/a | 8 | 95 |
| Dominican Republic | 13 | 2 | 3 | 26 | 16 | 81 |
| Ecuador | 17 | 0 | 4 | 39 | 11 | 71 |
| El Salvador | 15 | n/a | 3 | 36 | 15 | 72 |
| Guatemala | 34 | 8 | 3 | 68 | 14 | 68 |
| Honduras | 21 | 4 | 2 | 34 | 20 | 83 |
| Jamaica | 7 | 1 | 6 | 7 | 8 | 86 |
| Mexico | 14 | n/a | 6 | 22 | 12 | 78 |
| Nicaragua | 11 | 1 | 0 | 22 | 15 | 79 |
| Panama | 16 | n/a | 7 | 24 | 8 | 87 |
| Paraguay | 4 | 1 | 0 | 17 | 7 | 78 |
| Peru | 13 | 2 | 3 | 43 | 9 | 73 |
| Trinidad and Tobago | 7 | 0 | 5 | 2 | n/a | 80 |
| Uruguay | 7 | 2 | n/a | 16 | 8 | 89 |
| Venezuela | 6 | n/a | 4 | 7 | 9 | 65 |

Notes: (a) Moderate-severe weight deficiency. below standard deviation of -2 with respect to median weight for age in reference population. Severe: below standard deviation of -3 with respect to median weight for age in reference population. (b) Moderate-severe emaciation. below standard deviation of -2 with respect to median weight for height in reference population. (c) Moderate-severe shortness. below standard deviation of -2 with respect to median height for age in reference population. (d) Average vaccination coverage of infants less than 1 year old with the four antigens used in the Universal Children's Immunization Program.

Source: UNICEF, *Estado mundial de la infancia 1992*, Barcelona, UNICEF, 1992, Table 2, p. 74; and UNDP, *Desarrollo humano: Informe 1993*, Madrid, UNDP, 1993, Table 11, p. 174, based on WHO/PAHO data

Appendices

Table 5.3.5
LATIN AMERICA AND THE CARIBBEAN
FOOD SITUATION

| | Index of food production per capita (1979-81=100) 1988-1990 | Daily calorie supply per capita 1988-1990 | Daily calorie supply per capita (% of requirements) 1988-1990 | Ratio of dependence on food imports (%) 1988-1990 | Food aid (millions of dollars) 1991 |
|-----------------------------------|---|--|---|--|--|
| Antigua and Barbuda | n/a | 2,307 | n/a | 83.4 | n/a |
| Argentina | 93 | 3,068 | 181 | 0.4 | n/a |
| Bahamas | n/a | 2,777 | n/a | 63.5 | n/a |
| Barbados | n/a | 3,717 | 128 | 36.4 | n/a |
| Belize | n/a | 2,575 | 114 | 40.4 | n/a |
| Bolivia | 109 | 2,013 | 84 | 11.6 | 6.2 |
| Brazil | 115 | 2,730 | 114 | 3.1 | 12.5 |
| Chile | 113 | 2,484 | 102 | 10.5 | 1.5 |
| Colombia | 104 | 2,453 | 106 | 10.2 | 2.9 |
| Costa Rica | 91 | 2,711 | 121 | 30.2 | 0.4 |
| Cuba | n/a | 3,129 | 135 | n/a | 12.5 |
| Dominica | n/a | 2,911 | 100 | 66.4 | 0.3 |
| Dominican Republic | 90 | 2,310 | 102 | 38.3 | 0.4 |
| Ecuador | 100 | 2,399 | 105 | 13.9 | 8.4 |
| El Salvador | 97 | n/a | 102 | 24.5 | 13.4 |
| Guatemala | 91 | 2,254 | 103 | 18.5 | 15.5 |
| Grenada | n/a | 2,400 | n/a | 77.5 | 0.3 |
| Guyana | n/a | 2,495 | 108 | 22.6 | 0.7 |
| Haiti | 94 | 2,005 | 89 | 26.2 | 0.7 |
| Honduras | 83 | 2,210 | 98 | 13.7 | 5.5 |
| Jamaica | 95 | 2,558 | 114 | 63.7 | 8.2 |
| Mexico | 102 | 3,062 | 131 | 24.8 | 5.3 |
| Nicaragua | 58 | n/a | 99 | 26.9 | 7.0 |
| Panama | 90 | 2,269 | 98 | 24.8 | 0.4 |
| Paraguay | 116 | 2,684 | 116 | 1.1 | 2.2 |
| Peru | 100 | 2,037 | 87 | 24.1 | 8.2 |
| St. Kitts and Nevis | n/a | 2,435 | n/a | 86.4 | n/a |
| St. Lucia | n/a | 2,424 | 102 | 75.7 | n/a |
| St. Vincent and the Grenadines | n/a | 2,460 | 99 | 113.1 | n/a |
| Suriname | n/a | 2,436 | 100 | 86.8 | 0.1 |
| Trinidad and Tobago | 87 | 2,770 | 114 | 80.8 | n/a |
| Uruguay | 109 | 2,668 | 101 | 8.8 | n/a |
| Venezuela | 96 | 2,446 | 99 | 43.2 | n/a |

Source: UNDP *Human Development: 1993 Report* Oxford, Oxford University Press, 1993, Table 13.

Table 5.3.6
LATIN AMERICA AND THE CARIBBEAN
HEALTH INDICATORS IN WOMEN

| | Deliveries attended by specialized personnel 1988-1990 | Maternal mortality (per 100,000 live births) 1988-1990 | Prevalence of contraceptive use 1988-1990 ^a | Overall fertility rate 1988-1990 ^b |
|---------------------|---|---|--|--|
| Argentina | n/a | 140 | 74 | 2.9 |
| Bolivia | 42 | 600 | 30 | 5.9 |
| Brazil | 95 | 200 | 66 | 3.3 |
| Chile | 98 | 67 | 43 | 2.7 |
| Colombia | 71 | 200 | 65 | 3.0 |
| Costa Rica | 97 | 36 | 70 | 3.1 |
| Cuba | 99 | 39 | 60 | 1.9 |
| Dominican Republic | 90 | n/a | 50 | 3.5 |
| Ecuador | 66 | 170 | 44 | 4.1 |
| El Salvador | 50 | n/a | 47 | 4.7 |
| Guatemala | 34 | 200 | 23 | 5.6 |
| Haiti | 40 | 340 | 7 | 4.9 |
| Honduras | 66 | 220 | 35 | 5.2 |
| Jamaica | 90 | 120 | 52 | 2.5 |
| Mexico | 94 | 110 | 53 | 3.3 |
| Nicaragua | 41 | n/a | 27 | 5.3 |
| Panama | 89 | 60 | 58 | 3.0 |
| Paraguay | 30 | 300 | 45 | 4.5 |
| Peru | 78 | 300 | 46 | 3.8 |
| Trinidad and Tobago | 98 | 110 | 53 | 2.8 |
| Uruguay | 97 | 36 | n/a | 2.4 |
| Venezuela | 69 | n/a | 49 | 3.6 |

Notes: (a) Percentage of married women aged 15 to 44 years who regularly use contraceptives (b) Number of children per woman during reproductive period according to fertility rate for each age group

Source: UNICEF. *Estado mundial de la infancia 1992* Barcelona, UNICEF, 1992, Tables 5 and 7, pp 80 and 89

Table 5.3.7
LATIN AMERICA AND THE CARIBBEAN
LEADING CAUSES OF DEATH
(percentages of total deaths^a)

| | Heart diseases | Malignant tumors | Cerebrovascular diseases | Accidents | Perinatal disorders | Intestinal infections | Influenza and pneumonia | Other |
|---------------------------------------|----------------|------------------|--------------------------|-----------|---------------------|-----------------------|-------------------------|-------|
| Argentina (1986) | 32.6 | 18.1 | 10.4 | 5.2 | 4.1 | n/a | n/a | 29.6 |
| Bahamas (1987) | 18.2 | 19.4 | 8.4 | 11.3 | n/a | n/a | 4.1 | 38.6 |
| Barbados (1988) | 24.2 | 19.7 | 13.1 | 4.0 | n/a | n/a | 2.6 | 36.3 |
| Belize (1986) | 14.0 | 7.4 | 9.0 | 11.7 | 7.3 | n/a | 11.4 | 39.3 |
| Brazil (1986) | 20.5 | 11.3 | 11.4 | 11.0 | 7.1 | n/a | 5.5 | 33.2 |
| Chile (1987) | 17.6 | 20.2 | 10.1 | 11.4 | n/a | n/a | 8.0 | 32.8 |
| Colombia (1984) | 21.8 | 13.1 | 8.3 | 18.0 | 4.9 | n/a | n/a | 33.7 |
| Costa Rica (1988) | 20.9 | 21.8 | 7.5 | 9.0 | 5.2 | n/a | n/a | 35.7 |
| Cuba (1988) | 29.5 | 19.1 | 9.6 | 12.2 | n/a | n/a | 4.8 | 24.8 |
| Dominican Republic (1985) | 19.2 | 7.4 | 7.3 | 7.0 | 11.6 | 7.3 | n/a | 40.2 |
| Ecuador (1987) | 12.2 | 10.8 | n/a | 10.9 | 6.7 | 8.0 | 6.7 | 44.6 |
| El Salvador (1984) | 9.5 | 4.7 | n/a | 24.3 | 13.1 | 7.7 | n/a | 40.7 |
| Guatemala (1984) | 5.4 | n/a | n/a | 6.3 | 16.3 | 17.5 | 16.1 | 38.4 |
| Guyana (1984) | 20.5 | 6.6 | 14.0 | 7.5 | n/a | n/a | n/a | 51.4 |
| Honduras (1981) | 12.1 | 4.8 | n/a | 17.2 | 5.0 | 16.1 | 4.7 | 40.2 |
| Jamaica (1984) | 23.1 | 17.3 | 16.3 | 3.3 | n/a | 4.4 | n/a | 35.5 |
| Mexico (1986) | 13.3 | 9.4 | n/a | 15.7 | n/a | 6.8 | 5.6 | 49.0 |
| Panama (1987) | 18.7 | 14.8 | 10.5 | 10.8 | 6.3 | n/a | n/a | 39.0 |
| Paraguay (1986) | 20.5 | 10.4 | 12.7 | 6.7 | n/a | 7.4 | 6.0 | 36.3 |
| Peru (1983) | 7.7 | 6.5 | n/a | 6.0 | 7.2 | 10.5 | 17.4 | 44.5 |
| St. Kitts and Nevis (1985) | 23.5 | 10.6 | 24.5 | n/a | 4.3 | n/a | 5.8 | 31.3 |
| St. Lucia (1988) | 26.8 | 13.1 | 15.2 | 4.7 | 3.9 | n/a | 4.7 | 31.7 |
| St. Vincent and the Grenadines (1986) | 29.0 | 12.7 | 10.8 | 5.4 | 6.1 | n/a | n/a | 36.0 |
| Suriname (1985) | 21.4 | 9.9 | 8.1 | 8.6 | 7.1 | n/a | n/a | 45.0 |
| Trinidad and Tobago (1986) | 26.5 | 13.4 | 12.4 | 6.5 | n/a | n/a | 3.4 | 37.9 |
| Uruguay (1987) | 26.0 | 23.8 | 13.2 | 5.3 | 2.2 | n/a | 2.4 | 27.1 |
| Venezuela (1987) | 19.9 | 15.4 | 7.4 | 12.4 | 8.3 | n/a | n/a | 36.6 |

Notes: (a) Percentages of total deaths from defined causes. From data available in the PAHO Technical Information System, which are obtained from reports which Member Governments submit in response to PAHO's annual request. Data from Brazil and Paraguay refer to their areas of information.

Source: PAHO. *Las condiciones de salud en las Américas, 1990*. Washington, D.C., PAHO, 1991, vol. 1, pp. 445-453.

Table 5.3.8
LATIN AMERICA AND THE CARIBBEAN
HEALTH CARE RESOURCES

| | Physicians | | Medical auxiliaries | | Hospital beds per 1,000 pop. | |
|---------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------------|------|
| | Inhabitants per physician | Inhabitants per physician | Inhabitants per auxiliary | Inhabitants per auxiliary | 1980 | 1989 |
| | 1980 | 1989 | 1980 | 1987 | 1980 | 1989 |
| Argentina | 356 | 328 | 620 | 800 | 5.3 | 4.8 |
| Bahamas | 1,066 | 778 | 328 | 490 | 4.3 | 3.9 |
| Barbados | n/a | n/a | n/a | n/a | 8.6 | 8.3 |
| Belize | 2,655 | 2,028 | 816 | 761 | 3.8 | 2.8 |
| Bolivia | 1,956 | 2,100 | 995 | 1,164 | 1.8 | 1.5 |
| Brazil | 2,001 | 640 | 1,528 | 891 | 4.2 | 3.7 |
| Chile | 2,700 | 2,383 | 435 | 514 | 3.4 | 3.3 |
| Colombia | 1,598 | 1,081 | 1,077 | 866 | 1.7 | 1.5 |
| Costa Rica | 1,473 | 1,215 | 550 | 626 | 3.0 | 2.2 |
| Cuba | 635 | 333 | 356 | 192 | 5.5 | 7.4 |
| Ecuador | 1,281 | 990 | 779 | 660 | 1.8 | 1.6 |
| El Salvador | 2,860 | 2,641 | 1,117 | 1,184 | 1.3 | 1.1 |
| Guatemala | 1,773 | 3,999 | n/a | n/a | 1.8 | 1.2 |
| Haiti | 8,921 | 5,526 | 2,819 | 3,747 | n/a | n/a |
| Honduras | 3,022 | 1,811 | n/a | n/a | 1.4 | 1.1 |
| Jamaica | 2,979 | 6,481 | 1,000 | 1,567 | 3.1 | 2.1 |
| Mexico | 1,081 | 970 | 854 | 670 | 0.8 | 0.7 |
| Nicaragua | 2,067 | 1,789 | 598 | n/a | 1.7 | 1.4 |
| Panama | 1,074 | 840 | 443 | 368 | 3.8 | 3.2 |
| Paraguay | 1,283 | 1,007 | 257 | 4,664 | 1.0 | 1.1 |
| Peru | 1,391 | 966 | 1,718 | 1,313 | 1.7 | 1.5 |
| Trinidad and Tobago | 1,349 | 1,112 | 292 | 257 | 4.2 | 3.5 |
| Uruguay | 540 | 327 | 1,587 | 2,049 | 6.0 | 4.6 |
| Venezuela | 625 | 579 | 328 | 331 | 2.8 | 2.5 |

Source: ECLAC *Anuario estadístico de América Latina y el Caribe 1992* Santiago, Chile, ECLAC, 1993, pp. 48, 50, and 52

Appendices

Table 5.3.9
LATIN AMERICA AND THE CARIBBEAN
INCIDENCE OF AIDS
(Cases notified by year and accumulated number of cases and deaths
up to September 30, 1992)

| | To 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | Cumulative total ^a | Total deaths |
|---------------------------------|---------|-------|-------|-------|--------|--------|-------|-------------------------------|--------------|
| Latin America and the Caribbean | 3,587 | 4,798 | 7,566 | 9,782 | 13,291 | 14,975 | 5,437 | 59,469 | 25,696 |
| Antigua and Barbuda | 2 | 1 | 0 | 0 | 3 | n/a | n/a | 6 | 5 |
| Argentina | 73 | 72 | 169 | 228 | 388 | 478 | 225 | 1,633 | 380 |
| Bahamas | 86 | 90 | 93 | 168 | 162 | 235 | 100 | 934 | 574 |
| Barbados | 32 | 24 | 15 | 40 | 61 | 80 | 48 | 300 | 217 |
| Belize | 1 | 6 | 4 | 0 | 1 | 25 | n/a | 37 | 37 |
| Bolivia | 3 | 3 | 10 | 2 | 7 | 16 | 6 | 47 | 40 |
| Brazil | 1,677 | 2,292 | 3,825 | 5,025 | 6,614 | 7,789 | 2,422 | 29,644 | 13,242 |
| Chile | 35 | 44 | 66 | 80 | 125 | 174 | 42 | 566 | 242 |
| Colombia | 73 | 186 | 295 | 404 | 702 | 732 | 161 | 2,553 | 1,256 |
| Costa Rica | 20 | 23 | 52 | 57 | 69 | 90 | 59 | 370 | 235 |
| Cuba | 6 | 10 | 14 | 15 | 33 | 38 | 21 | 137 | 72 |
| Dominica | 0 | 5 | 2 | 3 | 2 | n/a | n/a | 12 | 11 |
| Dominican Republic | 124 | 234 | 356 | 508 | 238 | 166 | 59 | 1,685 | 200 |
| Ecuador | 13 | 22 | 29 | 22 | 42 | 51 | 29 | 208 | 140 |
| El Salvador | 7 | 16 | 34 | 72 | 54 | 109 | 41 | 333 | 105 |
| Grenada | 3 | 5 | 3 | 8 | 5 | 7 | 1 | 32 | 18 |
| Guatemala | 15 | 16 | 18 | 17 | 76 | 94 | 37 | 273 | 112 |
| Guyana | 0 | 10 | 34 | 40 | 61 | 85 | 71 | 301 | 94 |
| Haiti | 795 | 477 | 731 | 453 | 630 | n/a | n/a | 3,086 | 297 |
| Honduras | 17 | 102 | 189 | 250 | 583 | 485 | 332 | 1,976 | 571 |
| Jamaica | 11 | 32 | 30 | 66 | 62 | 133 | 27 | 361 | 243 |
| Mexico | 245 | 804 | 964 | 1,499 | 2,395 | 3,166 | 1,284 | 10,357 | 5,037 |
| Nicaragua | 0 | 0 | 2 | 2 | 7 | 13 | 3 | 28 | 27 |
| Panama | 26 | 31 | 60 | 77 | 64 | 73 | 36 | 369 | 233 |
| Paraguay | 2 | 5 | 4 | 3 | 12 | 10 | 6 | 42 | 31 |
| Peru | 30 | 32 | 65 | 118 | 141 | 155 | 73 | 614 | 216 |
| St. Kitts and Nevis | 6 | 4 | 9 | 5 | 8 | 1 | 1 | 34 | 21 |
| St. Lucia | 4 | 4 | 2 | 8 | 3 | 7 | 7 | 47 | 23 |
| St. Vincent and the Grenadines | 2 | 5 | 8 | 6 | 4 | 14 | 2 | 41 | 28 |
| Suriname | 4 | 5 | 4 | 35 | 35 | 16 | 17 | 116 | 91 |
| Trinidad and Tobago | 151 | 85 | 160 | 167 | 173 | 235 | 114 | 1,085 | 706 |
| Uruguay | 8 | 9 | 28 | 38 | 76 | 86 | 57 | 302 | 158 |
| Venezuela | 116 | 144 | 291 | 366 | 455 | 412 | 156 | 1,940 | 1,034 |

Notes: (a) May include cases in which year of diagnosis is unknown

Source: PAHO. *Boletín epidemiológico* 13(2):15 (September 1992).

Table 5.3.10
LATIN AMERICA AND THE CARIBBEAN
INCIDENCE OF CHOLERA
 (cumulative cases to 1992)

| | Cases | Hospitalizations | Deaths |
|-------------|---------|------------------|--------|
| Total | 297,971 | 137,704 | 1,804 |
| Argentina | 451 | n/a | 0 |
| Belize | 29 | 17 | 1 |
| Bolivia | 19,934 | 9,103 | 339 |
| Brazil | 18,718 | 14,640 | 228 |
| Chile | 71 | 31 | 1 |
| Colombia | 15,000 | n/a | n/a |
| Costa Rica | 8 | 5 | 0 |
| Ecuador | 30,242 | 27,256 | 198 |
| El Salvador | 7,144 | 2,852 | 41 |
| Guatemala | 13,424 | 5,971 | 191 |
| Honduras | 282 | 245 | 13 |
| Mexico | 4,457 | 929 | 52 |
| Nicaragua | 1,216 | 287 | 9 |
| Panama | 1,360 | 592 | 31 |
| Peru | 183,518 | 74,852 | 653 |
| Venezuela | 2,117 | 924 | 47 |

Source: PAHO, *Boletín epidemiológico* 13(2) 14 (September 1992)

Table 5.3.11
LATIN AMERICA AND THE CARIBBEAN
HEALTH SERVICE AND ENVIRONMENTAL SANITATION COVERAGE
 (percentages of total population)

| | Health 1987-90 | | | Potable water 1988-90 | | | Sanitation 1988-90 | | |
|-----------------------------------|-------------------|-------|-------|--------------------------|-------|-------|-----------------------|-------|-------|
| | total | urban | rural | total | urban | rural | total | urban | rural |
| Antigua and Barbuda | 100 | 100 | 100 | n/a | n/a | n/a | n/a | 100 | 100 |
| Argentina | n/a | n/a | n/a | n/a | n/a | n/a | 89 | 100 | 29 |
| Bahamas | 100 | 100 | 100 | n/a | n/a | n/a | n/a | n/a | n/a |
| Barbados | 100 | 100 | 100 | 99 | 100 | 99 | 100 | 100 | 100 |
| Belize | 95 | 100 | 90 | n/a | 100 | 38 | n/a | 67 | 28 |
| Bolivia | n/a | n/a | n/a | 46 | 77 | 15 | 34 | 55 | 13 |
| Brazil | n/a | n/a | n/a | 96 | 100 | 86 | 78 | 89 | 48 |
| Chile | 95 | n/a | n/a | 86 | 100 | 21 | 83 | 100 | 6 |
| Colombia | 87 | n/a | n/a | 92 | 100 | 76 | 68 | 96 | 13 |
| Costa Rica | 97 | n/a | n/a | 94 | 100 | 84 | 97 | 100 | 93 |
| Cuba | 100 | 100 | 100 | n/a | n/a | n/a | n/a | n/a | n/a |
| Dominica | 100 | 100 | 100 | n/a | n/a | n/a | n/a | 77 | 36 |
| Dominican Republic | n/a | n/a | n/a | 62 | n/a | n/a | 60 | 77 | 36 |
| Ecuador | 80 | n/a | n/a | 58 | 75 | 37 | 56 | 75 | 34 |
| El Salvador | n/a | n/a | n/a | 41 | 70 | 10 | 61 | 86 | 39 |
| Guatemala | 60 | n/a | n/a | 60 | 91 | 41 | 57 | 72 | 48 |
| Guyana | 96 | n/a | n/a | 81 | 94 | 74 | 90 | 97 | 86 |
| Haiti | 45 | n/a | n/a | 42 | 56 | 36 | 21 | 42 | 15 |
| Honduras | 62 | n/a | n/a | 52 | 56 | 49 | 33 | n/a | n/a |
| Jamaica | n/a | n/a | n/a | 72 | 95 | 46 | 91 | 92 | 90 |
| Mexico | 91 | n/a | n/a | 78 | 89 | 49 | 74 | 100 | 12 |
| Nicaragua | n/a | n/a | n/a | 58 | 78 | 19 | 27 | 35 | 16 |
| Panama | 92 | n/a | n/a | 83 | 100 | 66 | 84 | 100 | 68 |
| Paraguay | n/a | n/a | n/a | 33 | n/a | n/a | 58 | 55 | 60 |
| Peru | n/a | n/a | n/a | 58 | 78 | 22 | 49 | 67 | 17 |
| St. Kitts and Nevis | 100 | 100 | 100 | n/a | 100 | 100 | n/a | n/a | n/a |
| St. Lucia | 100 | 100 | 100 | n/a | n/a | n/a | n/a | n/a | n/a |
| St. Vincent and the Grenadines | 80 | n/a | n/a | n/a | n/a | n/a | n/a | 78 | 78 |
| Suriname | 91 | 100 | 100 | 84 | 82 | 94 | 57 | 64 | 36 |
| Trinidad and Tobago | 99 | n/a | n/a | 96 | 100 | 87 | 99 | 100 | 97 |
| Uruguay | n/a | n/a | n/a | 84 | 95 | 77 | n/a | n/a | n/a |
| Venezuela | n/a | n/a | n/a | 89 | 89 | 89 | 97 | 97 | 70 |

Source: UNDP, *Desarrollo humano Informe 1993*, Madrid, UNDP, 1993, Tables 10 and 12, pp. 172 and 176

Table 5.4.1
LATIN AMERICA AND THE CARIBBEAN
ILLITERACY
(percentage of population aged 15 years and older)

| | 1970 | 1980 | About | 1985 | 1990 |
|---------------------|------|------|-------|------|------|
| Argentina | 7.4 | 6.1 | | 5.2 | 4.7 |
| Bahamas | 8.8 | n/a | | n/a | n/a |
| Barbados | 0.7 | 0.5 | | n/a | n/a |
| Belize | 8.8 | n/a | | n/a | n/a |
| Bolivia | 36.8 | n/a | | 27.5 | 22.5 |
| Brazil | 33.8 | 25.5 | | 21.5 | 18.9 |
| Chile | 11.0 | 8.9 | | 7.8 | 6.6 |
| Colombia | 19.2 | 12.2 | | 15.3 | 13.3 |
| Costa Rica | 11.6 | 7.4 | | 8.2 | 7.2 |
| Cuba | n/a | 2.2 | | 7.6 | 6.0 |
| Dominica | 5.9 | n/a | | n/a | n/a |
| Dominican Republic | 33.0 | 31.4 | | 19.6 | 16.7 |
| Ecuador | 25.8 | 16.5 | | 17.0 | 14.2 |
| El Salvador | 42.9 | 32.7 | | 31.2 | 27.0 |
| Grenada | 2.2 | n/a | | n/a | n/a |
| Guatemala | 54.0 | 44.2 | | 48.1 | 44.9 |
| Guyana | 8.4 | n/a | | 4.6 | 3.6 |
| Haiti | 78.7 | 62.5 | | 51.2 | 47.0 |
| Honduras | 43.1 | n/a | | 32.0 | 26.9 |
| Jamaica | 3.9 | n/a | | 2.0 | 1.6 |
| Mexico | 25.8 | 16.0 | | 15.3 | 12.4 |
| Nicaragua | 42.5 | n/a | | 13.0 | n/a |
| Panama | 18.7 | 12.9 | | 13.6 | 11.2 |
| Paraguay | 19.9 | 12.3 | | 11.7 | 9.9 |
| Peru | 27.5 | 18.1 | | 18.0 | 14.9 |
| Trinidad and Tobago | 7.8 | 5.1 | | 3.9 | n/a |
| Uruguay | 6.1 | 5.0 | | 4.3 | 3.8 |
| Venezuela | 23.5 | 15.3 | | 14.3 | 11.9 |

Source: ECLAC, *Anuario estadístico de América Latina y el Caribe 1992*, Santiago, Chile, ECLAC, 1993, p. 54.

Appendices

Table 5.4.2
LATIN AMERICA AND THE CARIBBEAN
SCHOOL ATTENDANCE RATES
(percentages)

| | Year | Primary | | Secondary | | Higher Gross ^a |
|------------------------------------|------|--------------------|------------------|--------------------|------------------|------------------------------|
| | | Gross ^a | Net ^b | Gross ^a | Net ^b | |
| Latin America and the Caribbean | 1988 | 109 | 88 | 58 | 72 | 19 |
| Argentina | 1987 | 110 | n/a | 74 | n/a | 41 |
| Barbados | 1984 | 110 | n/a | 93 | 90 | 19 |
| Bolivia | 1987 | 91 | 83 | 37 | 27 | 17 |
| Brazil | 1988 | 104 | 84 | 38 | 15 | 11 |
| Chile | 1989 | 100 | 89 | 75 | 58 | 18 |
| Colombia | 1986 | 114 | 73 | 56 | n/a | 14 |
| Costa Rica | 1988 | 100 | 85 | 41 | 35 | 24 |
| Cuba | 1988 | 104 | 96 | 91 | 71 | 22 |
| Dominican Republic | 1986 | 101 | 73 | 74 | n/a | 19 |
| Ecuador | 1987 | 117 | n/a | 56 | n/a | 29 |
| El Salvador | 1988 | 80 | 72 | 29 | 16 | 17 |
| Guatemala | 1980 | 76 | 58 | 20 | 13 | 9 |
| Guyana | 1986 | 79 | n/a | 60 | n/a | 3 |
| Haiti | 1986 | 83 | 47 | 19 | n/a | 1 |
| Honduras | 1986 | 106 | 91 | 32 | 21 | 9 |
| Jamaica | 1988 | 103 | 97 | 63 | 5 | 4 |
| Mexico | 1988 | 117 | 99 | 53 | 42 | 15 |
| Nicaragua | 1987 | 99 | 76 | 43 | n/a | 8 |
| Panama | 1986 | 106 | 89 | 59 | 48 | 28 |
| Paraguay | 1987 | 103 | 88 | 29 | 24 | 9 |
| Peru | 1985 | 122 | 97 | 65 | n/a | 24 |
| Suriname | 1986 | 125 | 96 | 53 | 40 | 8 |
| Trinidad and Tobago | 1987 | 100 | 88 | 82 | 70 | 5 |
| Uruguay | 1987 | 110 | 91 | 68 | n/a | 47 |
| Venezuela | 1986 | 107 | 89 | 54 | 44 | 26 |

Notes: (a) Total matriculation in grade regardless of age, divided by the population in the age group corresponding to the grade (b) Number of pupils in age group regardless of their grade, divided by the population in the same age group.

Source: ECLAC *Anuario estadístico de América Latina y el Caribe 1992* Santiago, Chile, ECLAC, 1993

Table 5.5.1
LATIN AMERICA AND THE CARIBBEAN
MALE-FEMALE DIFFERENCES
(women as a percentage of men)

| | Life expectancy 1990 | Literacy 1990 | Median school- ing years 1990 | Primary school matricu- lation 1986-90 | Second- ary school matricu- lation 1986-90 | Tertiary school matricu- lation 1986-90 | Work force 1990 |
|-----------------------------------|----------------------------|------------------|---|--|---|---|--------------------|
| Argentina | 110 | 100 | 105 | 107 | 113 | 117 | 27 |
| Bahamas | n/a | n/a | 94 | n/a | n/a | n/a | 90 |
| Barbados | 107 | n/a | 93 | 98 | 92 | n/a | 92 |
| Belize | n/a | n/a | 93 | 98 | n/a | n/a | 49 |
| Bolivia | 109 | 83 | 60 | 90 | 84 | n/a | 31 |
| Brazil | 109 | 97 | 94 | n/a | 90 | 100 | 54 |
| Chile | 110 | 100 | 92 | 92 | 108 | 82 | 45 |
| Colombia | 109 | 98 | 106 | 103 | 119 | 108 | 69 |
| Costa Rica | 106 | 101 | 97 | 100 | 105 | 68 | 40 |
| Cuba | 105 | 98 | 103 | 99 | 112 | n/a | 46 |
| Dominica | n/a | n/a | 91 | n/a | n/a | n/a | 72 |
| Dominican Republic | 107 | 96 | 87 | 100 | n/a | n/a | 17 |
| Ecuador | 107 | 95 | 92 | 98 | 104 | 68 | 43 |
| El Salvador | 111 | 92 | 98 | 103 | 100 | 73 | 81 |
| Grenada | n/a | n/a | 93 | n/a | n/a | n/a | 94 |
| Guatemala | 108 | 75 | 86 | 85 | 68 | n/a | 34 |
| Guyana | 109 | 98 | 91 | 100 | 105 | 76 | 77 |
| Haiti | 106 | 80 | 63 | 100 | 95 | 85 | 67 |
| Honduras | 107 | 94 | 93 | 106 | n/a | 65 | 22 |
| Jamaica | 100 | 100 | 97 | 98 | 111 | 75 | 45 |
| Mexico | 110 | 94 | 96 | 97 | 102 | 76 | 46 |
| Nicaragua | 104 | n/a | 110 | 104 | n/a | 121 | 51 |
| Panama | 106 | 100 | 106 | 106 | 109 | n/a | 37 |
| Paraguay | 107 | 96 | 88 | 99 | 107 | 88 | 70 |
| Peru | 106 | 86 | 80 | 96 | n/a | 24 | 49 |
| St. Kitts and Nevis | n/a | n/a | 97 | n/a | n/a | n/a | n/a |
| St. Lucia | n/a | n/a | 96 | n/a | n/a | n/a | n/a |
| St. Vincent and the Grenadines | n/a | n/a | 95 | n/a | n/a | n/a | n/a |
| Trinidad and Tobago | 107 | n/a | 101 | 100 | 104 | 68 | 38 |
| Uruguay | 109 | 99 | 110 | 98 | n/a | 114 | 45 |
| Venezuela | 109 | 103 | 97 | 103 | n/a | 91 | 27 |

Source: UNDP *Desarrollo humano. Informe 1993* Madrid, UNDP, 1993, Table 9, p 170

Table 5.5.2
LATIN AMERICA AND THE CARIBBEAN
SOCIAL EQUALITY OF WOMEN

| | Economic equality | Political and legal equality | Equality in marriage and family | Equality of men and women in society | Computation of women's status | Computation of difference between the sexes | Overall computation |
|---------------------|-------------------|------------------------------|---------------------------------|--------------------------------------|-------------------------------|---|---------------------|
| Argentina | 3.5 | 3.5 | 0.5 | 3.0 | 50.0 | 18.0 | 68.0 |
| Barbados | 3.5 | 3.5 | 3.5 | 4.0 | 54.0 | 20.0 | 74.0 |
| Bolivia | 3.5 | 2.0 | 2.0 | 3.0 | 33.0 | 14.0 | 47.0 |
| Brazil | 2.0 | 2.0 | 0.5 | 1.5 | 39.5 | 15.0 | 54.5 |
| Chile | 2.0 | 2.0 | 0.5 | 1.5 | 43.0 | 16.5 | 59.5 |
| Colombia | 3.5 | 3.5 | 2.0 | 3.5 | 43.5 | 16.5 | 60.0 |
| Costa Rica | 3.5 | 3.5 | 3.5 | 4.0 | 51.0 | 18.5 | 69.5 |
| Dominican Republic | 2.0 | 3.5 | 3.5 | 3.5 | 39.5 | 17.5 | 57.0 |
| Ecuador | 3.5 | 3.5 | 3.5 | 4.0 | 43.5 | 17.5 | 61.0 |
| El Salvador | 3.5 | 3.5 | 3.5 | 4.0 | 38.0 | 17.5 | 55.5 |
| Guatemala | 3.5 | 2.0 | 2.0 | 3.0 | 31.5 | 14.5 | 46.0 |
| Guyana | 3.5 | 3.5 | 2.0 | 3.5 | 42.5 | 17.0 | 59.5 |
| Haiti | 2.0 | 2.0 | 2.0 | 2.0 | 29.0 | 14.5 | 43.5 |
| Honduras | 3.5 | 3.5 | 2.0 | 3.5 | 37.0 | 15.0 | 52.0 |
| Jamaica | 3.5 | 3.5 | 5.0 | 4.5 | 56.5 | 21.0 | 77.5 |
| Mexico | 3.5 | 3.5 | 3.5 | 4.0 | 44.0 | 17.5 | 61.5 |
| Nicaragua | 3.5 | 3.5 | 3.5 | 4.0 | 38.0 | 16.5 | 54.5 |
| Panama | 2.0 | 3.5 | 3.5 | 3.5 | 48.5 | 19.0 | 67.5 |
| Paraguay | 2.0 | 2.0 | 3.5 | 3.0 | 41.0 | 16.0 | 57.0 |
| Peru | 2.0 | 2.0 | 3.5 | 3.0 | 42.5 | 15.0 | 57.5 |
| Trinidad and Tobago | 3.5 | 3.5 | 3.5 | 4.0 | 49.5 | 18.5 | 68.0 |
| Uruguay | 3.5 | 3.5 | 2.0 | 3.5 | 50.5 | 19.5 | 70.0 |
| Venezuela | 3.5 | 3.5 | 3.5 | 4.0 | 50.0 | 17.0 | 67.0 |

Notes: **Economic equality** The extent to which women are equal to men in the work place and in their participation in economic life, 1986-1988

Political and legal equality The extent to which women have equal political rights and legal protection against sex-based discrimination, 1986-1988

Equality in marriage and the family. The right to contract marriage freely and equality of rights in divorce; equality of legal rights and duties of husband and wife in marriage. 1986-1988

Equality of men and women in society: Absence of discrimination against women in society, 1986-1988, according to all variables relating to social equality.

Computation of women's status, of difference between the sexes, and overall computation These three totals reflect the sum of the individual measures presented plus the averages computed by the Population Crisis Committee

Source: Population Crisis Committee

Table 6.1
LATIN AMERICA AND THE CARIBBEAN
FOREST RESOURCES AND DEFORESTATION
(thousands of hectares)

| | Forested area | | | | | |
|---------------------------------|----------------|---------|---------|--------------------|----------------------|------------------------|
| | Natural forest | | | Other wooded areas | Annual deforestation | Protected areas (1980) |
| | closed | covered | Planted | | | |
| Latin America and the Caribbean | 722,295 | 207,172 | 6,175 | 346,949 | 5,702 | 17,505 |
| Argentina | 44,500 | n/a | 600 | 16,500 | n/a | 2,594 |
| Belize | 1,354 | 92 | 3 | 574 | 9 | n/a |
| Bolivia | 44,010 | 22,750 | 26 | 12,050 | 117 | n/a |
| Brazil | 357,480 | 157,000 | 3,855 | 161,820 | 2,530 | 4,660 |
| Chile | 7,550 | n/a | 817 | 8,550 | 50 | 845 |
| Colombia | 46,400 | 5,300 | 95 | 14,400 | 890 | 2,280 |
| Costa Rica | 1,638 | 160 | 3 | 240 | 65 | 320 |
| Cuba | 1,455 | n/a | 157 | 1,005 | 2 | n/a |
| Dominican Republic | 629 | n/a | 6 | 321 | 4 | n/a |
| Ecuador | 14,250 | 480 | 43 | 3,470 | 340 | 350 |
| El Salvador | 141 | n/a | 1 | 315 | 5 | n/a |
| Guatemala | 4,442 | 100 | 15 | 1,865 | 90 | 62 |
| Guyana | 18,475 | 220 | 1 | 315 | 3 | 12 |
| Haiti | 48 | n/a | 1 | 96 | 2 | n/a |
| Honduras | 3,797 | 200 | n/a | 1,900 | 90 | n/a |
| Jamaica | 67 | n/a | 13 | 386 | 2 | 2 |
| Mexico | 46,250 | 2,100 | 159 | 85,500 | 615 | 360 |
| Nicaragua | 4,496 | n/a | 1 | 1,580 | 121 | n/a |
| Panama | 4,165 | n/a | 4 | 124 | 36 | n/a |
| Paraguay | 4,070 | 15,640 | 3 | 12,730 | 212 | 90 |
| Peru | 69,680 | 960 | 84 | 8,660 | 270 | 850 |
| Suriname | 14,830 | 170 | 8 | 295 | 3 | 580 |
| Trinidad and Tobago | 208 | n/a | 16 | 63 | 1 | n/a |
| Uruguay | 490 | n/a | 140 | 120 | n/a | n/a |
| Venezuela | 31,870 | 2,000 | 124 | 14,070 | 245 | 4,500 |

Source: World Resources Institute. *World resources 1992-93*. Washington, D.C., WRI, 1992, pp. 286-287.

Table 6.2
**LATIN AMERICA AND THE CARIBBEAN
 LAND USE**
 (thousands of hectares and percentages)

| | Thousands of hectares | | | | Variation 1977-79/1987-89 (%) | | | |
|---------------------------------|-----------------------|----------|---------------------|---------|-------------------------------|----------|---------------------|-------|
| | Crops | Pastures | Forests/ meadows | Other | Crops | Pastures | Forests/ meadows | Other |
| Latin America and the Caribbean | 179,199 | 570,669 | 952,845 | 302,228 | n/a | n/a | n/a | n/a |
| Argentina | 35,750 | 142,400 | 59,400 | 36,119 | 1.9 | -0.7 | -1.3 | 3.1 |
| Barbados | 33 | 4 | 0 | 6 | 0.0 | 0.0 | 0.0 | 0.0 |
| Belize | 56 | 48 | 1,012 | 1,164 | 12.8 | 15.2 | 0.0 | -1.1 |
| Bolivia | 3,461 | 26,700 | 55,710 | 22,568 | 3.7 | -1.5 | -1.1 | 4.1 |
| Brazil | 78,233 | 169,000 | 555,560 | 42,858 | 17.1 | 6.3 | -4.2 | 7.2 |
| Chile | 4,415 | 13,400 | 8,800 | 48,265 | 5.4 | 3.9 | 1.4 | -1.7 |
| Colombia | 5,348 | 40,194 | 50,907 | 7,420 | 3.5 | 6.8 | -5.6 | 3.3 |
| Costa Rica | 527 | 2,310 | 1,640 | 629 | 5.5 | 24.0 | -17.0 | -17.9 |
| Cuba | 3,332 | 2,992 | 2,750 | 1,908 | 5.3 | 14.3 | 11.8 | 30.3 |
| Dominican Republic | 1,440 | 2,092 | 619 | 687 | 5.5 | 0.0 | -3.1 | -7.4 |
| Ecuador | 2,683 | 5,050 | 11,500 | 8,451 | 6.9 | 44.3 | -21.0 | 16.6 |
| El Salvador | 733 | 610 | 104 | 625 | 4.5 | 0.0 | -31.6 | 2.7 |
| Guatemala | 1,868 | 1,380 | 3,910 | 3,685 | 8.3 | 7.8 | -17.0 | 17.8 |
| Guyana | 495 | 1,230 | 16,369 | 1,591 | 6.2 | 5.9 | -2.7 | 29.1 |
| Haiti | 904 | 499 | 42 | 1,311 | 2.7 | -3.0 | -30.0 | 0.8 |
| Honduras | 1,793 | 2,540 | 3,420 | 3,436 | 2.3 | 7.2 | -18.8 | 20.4 |
| Jamaica | 269 | 193 | 187 | 434 | 1.5 | -7.9 | -5.1 | 5.5 |
| Mexico | 24,708 | 74,499 | 43,540 | 48,122 | 1.9 | 0.0 | -12.0 | 12.8 |
| Nicaragua | 1,270 | 5,300 | 3,600 | 1,705 | 2.8 | 11.5 | -23.5 | 44.7 |
| Panama | 576 | 1,537 | 3,407 | 2,079 | 4.6 | 15.9 | -19.4 | 39.3 |
| Paraguay | 2,203 | 20,420 | 14,967 | 2,140 | 46.7 | 32.6 | -27.7 | 0.4 |
| Peru | 3,727 | 27,120 | 68,900 | 28,253 | 8.7 | 0.0 | -3.5 | 8.5 |
| Suriname | 68 | 20 | 14,855 | 657 | 53.4 | 11.1 | -0.3 | 3.0 |
| Trinidad and Tobago | 120 | 11 | 222 | 160 | 3.7 | 0.0 | -4.3 | 3.7 |
| Uruguay | 1,304 | 13,520 | 669 | 1,988 | -10.0 | -0.8 | 7.4 | 11.8 |
| Venezuela | 3,883 | 17,600 | 30,755 | 35,967 | 5.9 | 2.9 | -8.6 | 6.5 |

Source: World Resources Institute. *World resources 1992-93*. Washington, D.C., WRI, 1992, p. 262.

Table 6.3
LATIN AMERICA AND THE CARIBBEAN
LAND USE
 (agricultural inputs having environmental impact)

| | Irrigated area Percentages of total cultivated land | | Fertilizers kilograms per hectare of cultivated land | | Pesticides metric tons of active ingredient | |
|---------------------|---|---------|--|---------|---|---------|
| | 1977-79 | 1987-89 | 1977-79 | 1987-89 | 1977-79 | 1987-89 |
| Argentina | 4 | 5 | 3 | 5 | 7,448 | 14,313 |
| Barbados | n/a | n/a | 162 | 91 | n/a | n/a |
| Belize | 2 | 4 | 36 | 7,171 | n/a | n/a |
| Bolivia | 4 | 5 | 1 | 2 | 612 | 833 |
| Brazil | 2 | 3 | 42 | 46 | 59,292 | 46,698 |
| Chile | 28 | 28 | 27 | 73 | 1,838 | 1,800 |
| Colombia | 7 | 9 | 55 | 90 | 19,344 | 16,100 |
| Costa Rica | 10 | 22 | 143 | 191 | 3,027 | 3,667 |
| Cuba | 22 | 26 | 133 | 192 | 7,817 | 9,567 |
| Dominican Republic | 11 | 16 | 41 | 50 | 1,961 | 3,297 |
| Ecuador | 19 | 21 | 30 | 30 | 5,445 | 3,110 |
| El Salvador | 9 | 16 | 133 | 121 | 1,310 | 2,838 |
| Guatemala | 3 | 4 | 53 | 69 | 4,627 | 5,117 |
| Guyana | 25 | 26 | 22 | 29 | 705 | 658 |
| Haiti | 8 | 8 | 4 | 3 | 156 | n/a |
| Honduras | 4 | 5 | 13 | 20 | 940 | 859 |
| Jamaica | 12 | 13 | 55 | 105 | 861 | 1,420 |
| Mexico | 20 | 21 | 44 | 73 | 19,148 | 27,630 |
| Nicaragua | 6 | 7 | 31 | 55 | 2,943 | 2,003 |
| Panama | 5 | 5 | 44 | 62 | 1,542 | 2,393 |
| Paraguay | 2 | 3 | 2 | 6 | 2,957 | 3,423 |
| Peru | 31 | 33 | 35 | 54 | 2,370 | 2,753 |
| Suriname | 56 | 85 | 49 | 74 | 974 | 1,720 |
| Trinidad and Tobago | 17 | 18 | 61 | 28 | n/a | n/a |
| Uruguay | 5 | 8 | 54 | 48 | 1,390 | 1,517 |
| Venezuela | 6 | 7 | 51 | 162 | 6,923 | 8,143 |

Source: World Resources Institute *World resources 1992-93*. Washington, D C., WRI, 1992, p. 274.

Table 6.4
LATIN AMERICA AND THE CARIBBEAN
SEDIMENTATION IN SELECTED RIVERS

| | River | Station | Basin area ^a (km ²) | Annual discharge (km ³) | Annual transport of material ^b (metric tons/ha) |
|-------------|---------------|--------------|---|---|---|
| Argentina | Paraná | Mouth | 2,304,121 | 470.0 | 0.39 |
| | Negro | Mouth | 100,000 | 30.0 | 1.30 |
| | Uruguay | Concordia | 388,335 | 125.0 | 0.39 |
| Bolivia | Cachi-Mayu | | 1,680 | 0.5 | 72.50 |
| | Pilcomayo | Talula | 6,340 | 0.6 | 19.87 |
| | Pilcomayo | Icla | 13,200 | 2.0 | 34.92 |
| Brazil | Amazon | Obidos | 4,640,000 | n/a | 2.00 |
| | Amazon | Mouth | 6,150,000 | 6,300.0 | 1.46 |
| | Araguaia | Santa Isabel | 372,000 | n/a | 0.88 |
| | San Francisco | Mouth | 640,000 | 97.0 | 0.09 |
| | Tocantins | Itupiranga | 744,600 | n/a | 0.77 |
| Colombia | Magdalena | Mouth | 240,000 | 237.0 | 9.17 |
| El Salvador | Lempa | San Marcos | 18,176 | n/a | 3.79 |
| Guatemala | Motagua | Morales | 14,452 | n/a | 5.04 |
| Haiti | Peligre | Dam | 6,615 | 2.5 | 15.00 |
| Mexico | Colorado | Mouth | 635,000 | 20.2 | 0.00 |
| Peru | Chancay | | 2,325 | 0.7 | 2.06 |
| | Chira | | 16,530 | 4.8 | 23.79 |
| | Jeguetepeque | | 3,625 | 0.5 | 6.95 |
| Venezuela | Orinoco | Mouth | 938,752 | 567.9 | 4.15 |
| | Tuy | P. San Juan | 6,610 | 1.5 | 2.38 |

Notes: (a) The area of the basin is the area upstream from the station. (b) Includes both solid and dissolved materials.

Source: World Resources Institute. *World resources 1992-93*. Washington, D.C., WRI 1992. p. 274

Table 6.5
LATIN AMERICA AND THE CARIBBEAN
INDUSTRIAL CARBON DIOXIDE EMISSIONS, 1989

| | Thousands of metric tons | | | | | | Metric tons per capita |
|---------------------|--------------------------|---------|---------|-------------|---------------|---------|------------------------|
| | Solids | Fluids | Gases | Flaming gas | Cement making | Total | |
| Latin America | 88,101 | 644,755 | 159,329 | 28,173 | 40,400 | 960,758 | n/a |
| Argentina | 4,316 | 62,834 | 42,850 | 5,932 | 2,228 | 118,160 | 3.70 |
| Barbados | 0 | 810 | 55 | 0 | 106 | 971 | 3.81 |
| Belize | 0 | 180 | 0 | 0 | 0 | 180 | 0.95 |
| Bolivia | 0 | 3,111 | 1,385 | 315 | 253 | 5,064 | 0.70 |
| Brazil | 39,124 | 146,816 | 6,533 | 2,023 | 12,458 | 206,954 | 1.39 |
| Chile | 9,200 | 18,294 | 3,177 | 300 | 857 | 31,828 | 2.45 |
| Colombia | 13,212 | 28,290 | 8,533 | 678 | 3,118 | 53,831 | 1.65 |
| Costa Rica | 0 | 2,286 | 0 | 0 | 271 | 2,557 | 0.88 |
| Cuba | 601 | 33,778 | 62 | 0 | 1,854 | 36,295 | 3.44 |
| Dominican Republic | 0 | 5,976 | 0 | 0 | 769 | 6,745 | 0.95 |
| Ecuador | 0 | 12,769 | 191 | 1,363 | 993 | 15,316 | 1.47 |
| El Salvador | 0 | 2,037 | 0 | 0 | 315 | 2,352 | 0.44 |
| Guatemala | 0 | 3,268 | 0 | 0 | 806 | 4,074 | 0.44 |
| Guyana | 0 | 660 | 0 | 0 | 0 | 660 | 0.84 |
| Haiti | 0 | 616 | 0 | 0 | 110 | 726 | 0.11 |
| Honduras | 0 | 1,682 | 0 | 0 | 297 | 1,979 | 0.40 |
| Jamaica | 0 | 4,719 | 0 | 0 | 180 | 4,899 | 2.02 |
| Mexico | 20,445 | 234,624 | 49,255 | 3,671 | 11,710 | 319,705 | 3.70 |
| Nicaragua | 0 | 2,129 | 0 | 0 | 51 | 2,180 | 0.59 |
| Panama | 26 | 2,437 | 95 | 0 | 176 | 2,734 | 1.14 |
| Paraguay | 0 | 1,557 | 0 | 0 | 161 | 1,718 | 0.40 |
| Peru | 484 | 18,423 | 997 | 282 | 993 | 21,179 | 0.99 |
| Suriname | 26 | 1,385 | 0 | 0 | 26 | 1,437 | 3.48 |
| Trinidad and Tobago | 0 | 5,518 | 7,251 | 5,621 | 191 | 18,581 | 14.73 |
| Uruguay | 0 | 4,514 | 0 | 0 | 231 | 4,745 | 1.54 |
| Venezuela | 667 | 46,042 | 38,945 | 7,988 | 2,246 | 95,888 | 4.98 |

Source: World Resources Institute. *World resources 1992-93*. Washington, D.C., WRI, 1992, p. 346.

Table 7.1
LATIN AMERICA
PRINCIPAL RECENT DISASTERS

| Country | Year | Type of disaster | Remarks |
|-------------|---------|--------------------|--|
| Argentina | 1983 | Floods | More than 5 million people affected. Property losses estimated at USD 1,000 million. |
| | 1985 | Floods | In Greater Buenos Aires. 100,000 affected. |
| Bolivia | 1983 | Floods | In the eastern region, 250 deaths, 50,000 affected, and USD 48 million in property losses. |
| | 1983-84 | Drought | In the Altiplano, 1,500,000 affected, more than USD 900 million in property losses. |
| | 1992 | Floods | In Beni and Santa Cruz de la Sierra. 60,000 affected. |
| Brazil | 1983 | Floods | 143 deaths and 3,300,000 affected. |
| | 1983 | Drought | In the Northeast. 20 million affected. |
| | 1984 | Floods | 250,000 affected. |
| | 1985 | Floods | 600,000 affected. |
| | 1988 | Floods | 289 deaths and more than 55,000 affected |
| | 1989 | Floods | 88,000 people homeless. |
| Chile | 1985 | Earthquake | Santiago and Valparaíso. 180 deaths and almost 1 million affected. Property losses greater than USD 1,500 million |
| Colombia | 1983 | Earthquake | In Popayán. 250 deaths, 35,000 affected, and more than USD 400 million in property losses. |
| | 1985 | Volcanic eruption | Nevado del Ruiz Volcano. City of Armero buried, causing 21,800 deaths and more than USD 1,000 million in property losses. |
| | 1987 | Landslides | 200 deaths in a poor district of Medellín. |
| | 1988 | Hurricane | Joan. 26 deaths, 100,000 affected, and USD 50 million in property losses. |
| Costa Rica | 1991 | Earthquake | In Limón Province. The earthquake was followed by floods, and together they caused 48 deaths, 30,000 affected, and the loss of 3,000 dwellings. |
| Ecuador | 1983 | Floods | 307 deaths and more than 700,000 affected. Losses estimated at USD 640 million, especially in the agricultural sector. |
| | 1987 | Earthquake | 300 deaths and 150,000 affected. Destruction of trans-Ecuadorean oil pipeline and property losses of more than USD 500 million in export revenues. |
| | 1992 | Drought and floods | Power restrictions. |
| El Salvador | 1986 | Earthquake | In San Salvador 1,100 deaths, 500,000 affected, and more than USD 1,000 million in property losses, or 23% of the GDP. Large increase in unemployment. |
| Guatemala | 1976 | Earthquake | In the Altiplano. 25,000 deaths and more than 1 million affected. |
| | 1991 | Earthquake | San Miguel Pochuta 51 deaths |

Maps and statistical tables

| Country | Year | Type of disaster | Remarks |
|-----------|------|-----------------------------------|--|
| Honduras | 1974 | Hurricane | Fifi. 8,000 deaths and 100,000 affected. |
| | 1990 | Floods | 30,000 affected. |
| Mexico | 1985 | Earthquake | Mexico City. Richter 8.1. 20,000 deaths, 100,000 affected, and more than USD 4,000 million in property losses. 30,000 to 50,000 dwellings destroyed |
| Nicaragua | 1972 | Earthquake | Managua. 10,000 deaths, 20,000 injured, and 280,000 affected. Property damage of almost USD 2,000 million. |
| | 1982 | Heavy rains | Pacific area. USD 365 million in agricultural production losses. |
| | 1988 | Hurricane | Joan. 227,000 affected and more than 320,000 displaced. Property losses of USD 800 million (40% of the GDP in 1988). Destruction of El Rama and Bluefields, and unprecedented ecological disaster in the Atlantic forest area. |
| | 1990 | Floods | Atlántico Norte Region. 94,000 affected and 4,500 dwellings destroyed |
| | 1992 | Volcanic eruption Seismic wave | Cerro Negro 200 deaths, 1,000 injured, 50,000 affected, and USD 24 million in property losses. Pacific coast 200 deaths, more than 1,000 injured, and destruction of several coastal communities. |
| Panama | 1991 | Earthquake | Bocas del Toro. Severe damage to infrastructure and housing. |
| Paraguay | 1983 | Floods | 160,000 affected and 50,000 dwellings damaged. |
| Peru | 1970 | Earthquake | Ancash. 70,000 deaths, 150,000 injured, and 800,000 people made homeless. |
| | 1974 | Earthquake | 23,000 affected. |
| | 1983 | Floods | 364 deaths, 700,000 affected, 62,000 dwellings destroyed and more than USD 800 million in property losses. |
| | | Drought | 600,000 affected. |
| | 1987 | Avalanches (<i>huaycos</i>) | Chosica and Santa Eulalia 300 deaths and 1,200 dwellings destroyed. |
| | 1990 | Earthquake | Rioja and Moyobamba. 100 deaths, 800 injured, and 10,000 people made homeless. |
| Venezuela | 1987 | Landslides | 96 deaths. |

Source: OFDA-AID, International Federation of Red Cross and Red Crescent Societies, and national studies.

Table 7.2
THE CARIBBEAN
PRINCIPAL TWENTIETH-CENTURY DISASTERS

| Country | Date(s) | Type of disaster | Remarks |
|---------------------|-------------------|---------------------------|------------------------------------|
| Antigua and Barbuda | 01/09/50 | Hurricane | Dog |
| | 04/09/60 | Hurricane | Donna |
| | 26/09/66 | Hurricane | Inez |
| | 08/10/74 | Earthquake | Strong |
| | Nov 83-Apr 84 | Drought | Extensive damage to agriculture |
| | 16/03/85 | Earthquake | Richter 6.6 |
| Bahamas | 26/07/26 | Hurricane | Devastation |
| | 26/09/29 | Hurricane | Heavy damage |
| | 29/09/35 | Hurricane | On Bimini |
| | 14/09/45 | Hurricane | Heavy damage |
| | 08/10/63 | Hurricane | Flora |
| | ___/09/65 | Hurricane | Betsy |
| | 13/11/65 | Shipwreck | 90 deaths |
| | 03/10/66 | Hurricane | Inez |
| Barbados | 22/09/55 | Hurricane | Janet |
| | ___/10/70 | Floods | Entire island |
| | 25/10/84 | Floods | Large-scale |
| Belize | 10/09/31 | Hurricane | 1,500 deaths |
| | 28/09/55 | Hurricane | Janet |
| | 31/10/61 | Hurricane | Hattie |
| | ___/09/74 | Hurricanes | Carmen and Fifi |
| | ___/09/78 | Hurricane | Greta |
| | ___/12/79 | Floods | After heavy rains |
| | 17/05/82 | Fire | In Belize City |
| | Cuba | 20/10/26 | Hurricane |
| 09/11/32 | | Hurricane | 2,500 deaths |
| 28/09/35 | | Storm | Many deaths |
| 21/09/48 | | Hurricane | Heavy damage |
| 05/10/48 | | Hurricane | |
| 04/10/63 | | Hurricane | Flora |
| 30/09/66 | | Hurricane | Inez |
| 13/10/68 | | Hurricane | Gladys |
| 19/02/76 | | Earthquake | |
| ___/06/77 | | Floods | Eastern region |
| 11/02/78 | | Storm | |
| 03/06/82 | | Hurricane | Alberto |
| Feb-Mar 83 | | Floods | After 10 weeks of torrential rains |
| 25/05/85 | | Heavy rains and tornadoes | |
| 18/11/85 | | Hurricane | Kate |
| ___/06/86 | Floods/landslides | | |

Maps and statistical tables

| Country | Date(s) | Type of disaster | Remarks |
|--------------------|----------------|------------------|-----------------------------------|
| Dominica | 04/03/03 | Earthquake | |
| | 16/02/08 | Earthquake | Minor damage |
| | 04/02/35 | Earthquake | |
| | 21/05/46 | Earthquake | Richter 7.0 |
| | 25/09/63 | Hurricane | Edith |
| | _ /08/79 | Hurricanes | David and Frederick |
| | 09/10/84 | Hurricane | Klaus |
| | 09/03/86 | Earthquake | |
| Dominican Republic | 03/09/30 | Hurricane | 2,000 deaths |
| | 02/10/63 | Hurricane | Flora |
| | _ /08/64 | Hurricane | Cleo |
| | _ /04/65 | Forest fire | |
| | 29/09/66 | Hurricane | Inez |
| | 1968 | Drought | Entire country |
| | 27/04/79 | Hurricanes | David and Frederick |
| | _ /08/79 | Floods | Northern and northeastern regions |
| | _ /05/81 | Floods | After heavy rains |
| | 12/02/83 | Forest fire | |
| | 29/05/86 | Storm | 12,000 affected |
| 02/09/87 | Hurricane | Emily | |
| Grenada | _ /_ /55 | Hurricane | Janet |
| | 30/09/63 | Hurricane | Flora |
| Guyana | _ /07/71 | Floods | 21,000 affected |
| | _ /04/78 | Power outages | 250,000 affected |
| | 01/12/79 | Fire | In Georgetown |
| Haiti | 21/10/35 | Hurricane | Jérémie, Jacmel |
| | 12/10/54 | Hurricane | Hazel |
| | 03/10/63 | Hurricane | Flora |
| | 14/11/63 | Floods | 500 deaths |
| | 24/08/64 | Hurricane | Cleo |
| | 29/09/66 | Hurricane | Inez |
| | 1968 | Drought | 210,000 affected |
| | 07/08/72 | Fire | In Port-au-Prince |
| | 1974-75 | Drought | |
| | 1977 | Drought | Entire country |
| | 31/08/79 | Hurricane | David |
| | 05/08/80 | Hurricane | Allen |
| | 1980-81 | Drought | |
| | 20/05/85 | Floods | 40,000 affected |
| | 03/06/86 | Floods | Heavy rains |
| | 04/10/86 | Fire, floods | Emergency situation |
| | 16/05/86 | Fire | 3,000 homeless |
| 01/06/86 | Floods | Extensive damage | |
| 23/10/86 | Floods | 100 homeless | |
| 11/11/86 | Ferry accident | 200 deaths | |
| 10/07/87 | Heavy rains | Extensive damage | |

Appendices

| Country | Date(s) | Type of disaster | Remarks |
|--------------------------------|----------|-----------------------|-------------------------------|
| Jamaica | 10/08/03 | Hurricane | Heavy damage |
| | 14/01/07 | Earthquake | 1,200 deaths |
| | 12/11/12 | Hurricane | Heavy damage |
| | 20/08/44 | Hurricane | 26 deaths |
| | 20/08/51 | Hurricane | Charlie |
| | 03/10/63 | Hurricane | Flora |
| | 1968 | Drought | Entire country |
| | 17/10/73 | Tropical storm | Gilda |
| | __/06/77 | Dengue epidemic | |
| | 25/04/79 | Floods | Western region |
| | __/06/79 | Floods | Extensive |
| | 05/08/80 | Hurricane | Allen |
| | 11/11/85 | Hurricane | Kate |
| | 15/05/86 | Floods | Entire island |
| | 30/10/87 | Floods | Tropical storm |
| St. Kitts and Nevis | 13/09/28 | Hurricane | Heavy damage |
| | __/12/50 | Earthquake | Heavy damage |
| | 02/01/55 | Hurricane | Alice |
| | 1984 | Floods | In Basseterre |
| | 16/03/85 | Earthquake | Richter 6.6 |
| St. Lucia | 16/02/06 | Earthquake | Extensive damage |
| | 21/05/46 | Earthquake | Damage to buildings |
| | 19/03/53 | Earthquake | Damage to buildings |
| | 10/07/60 | Hurricane | Abby |
| | 25/09/63 | Hurricane | Edith |
| | 07/09/67 | Tropical storm | Beulah |
| | 03/08/80 | Hurricane | Allen |
| | __/09/83 | Storm | |
| | 08/09/86 | Tropical storm | Danielle |
| St. Vincent and the Grenadines | 08/05/02 | Volcanic eruption | Soufrière, 1,565 deaths |
| | 17/07/02 | Earthquake | Damage to buildings |
| | 17/09/06 | Earthquake | |
| | 26/09/28 | Earthquake | |
| | 21/05/46 | Earthquake | |
| | 19/03/53 | Earthquake | Damage to buildings |
| | 23/09/55 | Hurricane | Janet |
| | 08/09/67 | Tropical storm | Beulah |
| | 17/10/71 | Volcanic eruption | Soufrière |
| | 13/04/79 | Volcanic eruption | Soufrière |
| | 03/08/80 | Hurricane | Allen |
| | 03/08/80 | Airplane accident | Airplane completely destroyed |
| | 08/09/86 | Tropical storm/floods | Danielle, heavy damage |
| | 21/09/87 | Hurricane | Emily |
| Suriname | 01/08/69 | Floods | 4,600 affected |

Maps and statistical tables

| Country | Date(s) | Type of disaster | Remarks |
|---------------------|----------|------------------|---------------------|
| Trinidad and Tobago | 31/01/04 | Earthquake | Damage to buildings |
| | 26/03/15 | Earthquake | Damage to buildings |
| | 24/02/18 | Earthquake | Damage to buildings |
| | 04/12/54 | Earthquake | Damage to buildings |
| | 27/06/33 | Hurricane | Heavy damage |
| | 30/09/63 | Hurricane | Flora |
| | 14/08/74 | Tropical storm | Alma |

Source: PAHO/WHO/UNDRO/LRCS. *Pan Caribbean disaster preparedness and prevention project Project document* Geneva, 1988, appendix 3, based on UNDRO/OFDA-AID and other data

Table 7.3
LATIN AMERICA
DISTRIBUTION OF MAXIMUM SEISMIC INTENSITIES
(Mercalli intensities)

| Country | Province | VI | VII | VIII | IX | X |
|---------------------|----------------|----|-----|------|----|---|
| Argentina | Catamarca | X | X | | | |
| | Chaco | X | | | | |
| | Chubut | X | | | | |
| | Córdoba | X | X | | | |
| | Corrientes | X | | | | |
| | Entre Ríos | X | | | | |
| | Jujuy | X | X | X | | |
| | La Rioja | X | X | X | | |
| | Mendoza | X | X | X | X | |
| | Neuquén | X | X | | | |
| | Río Negro | X | | | | |
| | Salta | X | X | X | X | |
| | San Juan | | X | X | X | X |
| | San Luis | X | X | X | | |
| | Santa Cruz | X | | | | |
| Santiago del Estero | X | | | | | |
| Tierra del Fuego | X | | | | | |
| Belize | Stann Creek | X | | | | |
| | Toledo | X | X | | | |
| Bolivia | Cochabamba | X | X | | | |
| | Chuquisaca | X | X | X | | |
| | La Paz | X | X | X | | |
| | Oruro | X | X | | | |
| | Potosí | X | X | X | | |
| | Santa Cruz | X | X | | | |
| | Tarija | X | X | X | X | |
| Brazil | Ceará | X | | | | |
| | Santa Catarina | X | | | | |
| Chile | Aisén | X | | | | |
| | Aconcagua | | X | X | X | X |
| | Antofagasta | X | X | X | | |
| | Arauco | | | X | | |
| | Atacama | X | X | X | X | |
| | Bío Bío | X | X | X | | |
| | Cautín | X | X | X | | |
| | Chiloé | X | X | X | | |
| | Colchagua | X | X | X | | |
| | Concepción | | X | X | | |
| | Coquimbo | | X | X | X | |
| | Curicó | X | X | X | | |
| | Linares | X | X | X | X | |
| | Llanquihue | X | X | X | | |

Maps and statistical tables

| Country | Province | VI | VII | VIII | IX | X |
|-----------------|--------------------|----|-----|------|----|---|
| Chile | Magallanes | X | X | | | |
| | Malleco | X | X | X | | |
| | Maule | | X | X | | |
| | Ñuble | X | X | X | X | |
| | O'Higgins | X | X | X | | |
| | Osorno | X | X | X | | |
| | Santiago | | X | X | X | |
| | Talca | X | X | X | X | |
| | Tarapacá | | X | X | X | |
| | Valdivia | X | X | X | | |
| | Valparaíso | | | X | X | X |
| Colombia | Antioquia | X | X | X | | |
| | Arauca | X | X | X | | |
| | Atlántico | X | X | | | |
| | Bolívar | X | X | | | |
| | Boyacá | X | X | X | | |
| | Caldas | | | X | X | |
| | Caquetá | X | X | X | | |
| | Cauca | X | X | X | X | |
| | Chocó | | X | X | X | |
| | Córdoba | X | X | X | | |
| | Cundinamarca | | X | X | X | |
| | Guajira | X | X | X | | |
| | Huila | | X | X | X | X |
| | Magdalena | X | X | X | | |
| | Meta | X | X | X | X | |
| | Nariño | | X | X | X | X |
| | Norte de Santander | | X | X | X | X |
| | Punumayo | X | X | | | |
| | Santander | X | X | X | X | |
| Tolima | | X | X | X | | |
| Valle del Cauca | | X | X | X | | |
| Vaupes | X | | | | | |
| Vichada | X | | | | | |
| Costa Rica | Alajuela | X | X | X | | |
| | Cartago | | X | X | | |
| | Guanacaste | | X | X | | |
| | Heredia | X | X | X | | |
| | Limón | X | X | X | | |
| | Puntarenas | X | X | X | | |
| | San José | X | X | X | | |
| Ecuador | Azuay | | X | X | | |
| | Bolívar | | | X | X | |
| | Cañar | X | | | | |
| | Carchi | X | X | X | | |
| | Chimborazo | | X | X | X | |
| | Cotopaxi | X | X | X | X | |
| | El Oro | | X | | | |
| | Esmeraldas | X | X | X | X | |
| Guayas | X | X | X | | | |

Appendices

| Country | Province | VI | VII | VIII | IX | X |
|-------------|-------------------|----|-----|------|----|---|
| Ecuador | Imbabura | X | X | X | | |
| | Los Ríos | | X | X | | |
| | Loja | X | X | X | | |
| | Manabí | | | X | X | |
| | Morona-Santiago | X | X | X | | |
| | Napo | X | X | X | | |
| | Pastaza | X | X | | | |
| | Pichincha | | X | X | X | |
| | Tungurahua | | X | X | X | |
| | Zamora-Chinchipec | X | X | | | X |
| El Salvador | Ahuachapán | | X | X | | |
| | Cabañas | X | X | | | |
| | Chalatenango | X | X | | | |
| | Cuscatlán | X | X | | | |
| | La Libertad | | X | X | | |
| | La Paz | | X | X | | |
| | La Unión | X | X | X | | |
| | Morazán | | X | X | | |
| | San Miguel | X | X | X | | |
| | San Salvador | X | X | X | | |
| | San Vicente | | X | X | | |
| | Santa Ana | X | X | X | | |
| | Sonsonate | | X | X | | |
| Usulután | | X | X | | | |
| Guatemala | Alta Verapaz | X | X | X | | |
| | Baja Verapaz | | X | X | | |
| | Chimaltenango | | X | X | | |
| | Chiquimula | | X | X | | |
| | El Petén | X | | | | |
| | El Progreso | X | X | X | | |
| | El Quiché | X | X | X | | |
| | Escuintla | | X | X | | |
| | Guatemala | | X | X | X | |
| | Huehuetenango | | X | X | X | |
| | Izabal | | X | X | | |
| | Jalapa | X | X | X | | |
| | Jutiapa | | X | X | | |
| | Quezaltenango | | X | X | X | |
| | Retalhuleu | | X | X | | |
| | Sacatepéquez | | | X | | |
| | San Marcos | | | X | X | |
| | Santa Rosa | | X | X | X | |
| | Sololá | | X | X | | |
| | Suchitepéquez | | X | X | | |
| Totonicapán | | X | X | | | |
| Zacapa | | X | X | | | |
| Guyana | | X | X | | | |
| Honduras | Atlántida | X | X | X | | |
| | Choluteca | X | X | | | |

Maps and statistical tables

| Country | Province | VI | VII | VIII | IX | X |
|------------|------------------|----|-----|------|----|---|
| Honduras | Colón | X | X | | | |
| | Comayagua | X | X | X | | |
| | Copán | X | X | X | | |
| | Cortés | X | X | X | | |
| | Distrito Central | X | | | | |
| | El Paraíso | X | | | | |
| | Fco. Morazán | X | | | | |
| | Gracias a Dios | X | | | | |
| | Intibucá | X | X | X | | |
| | La Paz | X | | | | |
| | Lempira | X | X | X | | |
| | Ocotepeque | X | X | X | | |
| | Olancho | X | | | | |
| | Santa Bárbara | X | X | X | | |
| | Valle | X | X | | | |
| Yoro | X | | | | | |
| Nicaragua | Boaco | X | | | | |
| | Carazo | | X | | | |
| | Chinandega | X | X | X | | |
| | Chontales | X | | | | |
| | Granada | | X | X | | |
| | León | X | X | X | | |
| | Managua | X | X | X | | |
| | Masaya | | X | X | | |
| | Matagalpa | X | | | | |
| | Río San Juan | X | | | | |
| Rivas | | X | | | | |
| Peru | Amazonas | X | X | X | X | |
| | Ancash | X | X | X | X | |
| | Apurímac | | X | X | | |
| | Arequipa | | X | X | X | X |
| | Ayacucho | X | X | X | X | |
| | Cajamarca | X | X | | | |
| | Cuzco | X | X | X | X | |
| | Huancavelica | X | X | X | | |
| | Huánuco | X | X | X | | |
| | Ica | | X | X | X | |
| | Junín | X | X | X | X | |
| | La Libertad | X | X | X | X | |
| | Lambayeque | X | X | X | | |
| | Lima | X | X | X | X | |
| | Loreto | X | X | X | X | X |
| | Madre de Dios | X | X | | | |
| | Moquegua | | X | X | X | |
| | Pasco | X | X | X | | |
| | Piura | | X | X | X | |
| | Puno | X | X | X | | |
| San Martín | X | X | X | X | X | |
| Tacna | | X | X | X | | |
| Tumbes | | | X | X | | |

Appendices

| Country | Province | VI | VII | VIII | IX | X |
|-----------|------------------|----|-----|------|----|---|
| Uruguay | Artigas | X | | | | |
| Venezuela | Delta Amacuro | X | X | X | X | |
| | Amazonas | X | | | | |
| | Apure | X | X | X | | |
| | Aragua | | X | X | X | |
| | Anzoátegui | X | X | X | X | |
| | Barinas | | X | X | X | |
| | Bolívar | X | X | | | |
| | Carabobo | | X | X | | |
| | Cojedes | | X | X | | |
| | Distrito Federal | | | | X | |
| | Falcón | | X | X | | |
| | Guárico | X | X | X | | |
| | Lara | | | | X | X |
| | Mérida | | | | X | X |
| | Miranda | | | X | X | X |
| | Monagas | | | X | X | |
| | Portuguesa | | X | X | X | |
| | Sucre | | | | X | X |
| | Táchira | | | X | X | X |
| | Trujillo | | | X | X | |
| | Yaracuy | | | X | X | |
| | Zulia | | X | X | X | |

Source: Organization of American States. *Desastres, planificación y desarrollo Manejo de amenazas naturales para reducir los daños*. Washington, D. C., OAS/OFDA, 1991, pp. 64-68, using data from the Regional Seismology Center for South America (CERESIS)

Maps and statistical tables

Table 8.1
COUNTRIES ADHERING TO THE GENEVA CONVENTIONS OF AUGUST 12, 1949,
AND THE ADDITIONAL PROTOCOLS OF JUNE 8, 1977
 (as of December 31, 1992)

| | Geneva Conventions | | Protocol I | | | Protocol II | | |
|-----------------------------------|---|----------|------------|---|----------|-----------------|---|----------|
| | (R)atification (A)dherence (S)uccession | Date | Signed | (R)atification (A)dherence (S)uccession | Date | Date Art. 90 | (R)atification (A)dherence (S)uccession | Date |
| Antigua and Barbuda | S | 06/10/86 | | A | 06/10/86 | | A | 06/10/86 |
| Argentina | R | 18/09/56 | | A | 26/11/86 | | A | 26/11/86 |
| Bahamas | S | 11/07/75 | | A | 10/04/80 | | A | 10/04/80 |
| Barbados | S | 10/09/68 | | A | 19/02/90 | | A | 19/02/90 |
| Belize | A | 29/06/84 | | A | 29/06/84 | | A | 29/06/84 |
| Bolivia | R | 10/12/76 | | A | 08/12/83 | 10/08/92 | A | 08/12/83 |
| Brazil | R | 29/06/57 | | A | 05/05/92 | | A | 05/05/92 |
| Chile | R | 12/10/50 | | R | 24/04/91 | 24/04/91 | R | 24/04/91 |
| Colombia | R | 08/11/61 | | | | | | |
| Costa Rica | A | 15/10/69 | | A | 15/12/83 | | A | 15/12/83 |
| Cuba | R | 15/04/54 | | A | 25/11/82 | | | |
| Dominica | S | 28/09/81 | | | | | | |
| Dominican Republic | A | 22/01/58 | | | | | | |
| Ecuador | R | 11/08/54 | X | R | 10/04/79 | | R | 10/04/79 |
| El Salvador | R | 17/06/53 | X | R | 23/11/78 | | X | R |
| Grenada | S | 13/04/81 | | | | | | |
| Guatemala | R | 14/05/52 | X | R | 19/10/87 | | X | R |
| Guyana | S | 22/07/68 | | A | 18/01/88 | | A | 18/01/88 |
| Haiti | A | 11/04/57 | | | | | | |
| Honduras | A | 31/12/65 | X | | | | X | |
| Jamaica | S | 20/07/64 | | A | 29/07/86 | | A | 29/07/86 |
| Mexico | R | 29/10/52 | | A | 10/03/83 | | | |
| Nicaragua | R | 17/12/53 | X | | | | X | |
| Panama | A | 10/02/56 | X | | | | X | |
| Paraguay | R | 23/12/61 | | A | 30/11/90 | | A | 30/11/90 |
| Peru | R | 15/02/56 | X | R | 14/07/89 | | X | R |
| St. Kitts and Nevis | S | 14/02/86 | | A | 14/02/86 | | A | 14/02/86 |
| St. Lucia | S | 18/09/81 | | A | 07/10/82 | | A | 07/10/82 |
| St. Vincent and the Grenadines | A | 01/04/81 | | A | 08/04/83 | | A | 08/04/83 |
| Suriname | S | 13/10/76 | | A | 16/12/85 | | A | 16/12/85 |
| Trinidad and Tobago | A | 24/09/63 | | | | | | |
| Uruguay | R | 05/03/69 | | A | 13/12/85 | 17/07/90 | A | 13/12/85 |
| Venezuela | R | 13/02/56 | | | | | | |

Source: International Committee of the Red Cross *Annual Report 1992*. Geneva, ICRC, 1993

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