

Index of countries and territories

- Afghanistan, 69, 109, 166, 176, 180, 206
Albania, 180, 206
Algeria, 69, 166, 180, 206
American Samoa, 180
Andorra, 180
Angola, 166, 180, 206
Anguilla, 180, 206
Antigua and Barbuda, 180, 206
Argentina, 77, 166, 180
Armenia, 166, 180–181
Australia, 23, 43, 63, 68, 130, 181, 206
Austria, 76, 181
Azerbaijan, 166, 181
- Bahamas, 181, 206
Bahrain, 181
Bangladesh, 69, 116, 166, 181
Barbados, 181, 206
Belarus, 181
Belgium, 182
Belize, 166, 182, 206
Benin, 166, 182, 206
Bermuda, 182
Bhutan, 166, 182, 206
Bolivia, 30, 166, 182, 206
Bosnia and Herzegovina, 182
Botswana, 76, 166, 182, 207
Brazil, 69, 75, 147, 155, 166, 183, 207
British Virgin Islands, 183
Brunei Darussalam, 183, 207
Bulgaria, 183
Burkina Faso, 72, 166, 183, 207
Burma *see* Myanmar, 183
Burundi, 79, 166, 183, 207
- Cambodia, 75, 155, 166, 183–184, 207
Cameroon, 166, 184, 207
Canada, 74, 130, 184
Cape Verde, 166, 184, 207
Cayman Islands, 184
Central African Republic, 166, 184, 207
- Chad, 166, 184, 207
Channel Islands, 204
Chile, 77, 184
China, 74–75, 107, 116, 166, 184, 207
Christmas Island, 185
Colombia, 166, 185, 207
Comoros, 166, 185
Congo, 47, 61, 166, 185, 207
Congo, Democratic Republic of, 166
Cook Islands, 185
Costa Rica, 166, 185
Côte d’Ivoire, 166, 185–186, 207
Croatia, 186
Cuba, 186
Cyprus, 186
Czech Republic, 76, 186
- Denmark, 186
Djibouti, 166, 186, 207
Dominica, 186, 207
Dominican Republic, 166, 186
- Ecuador, 166, 186, 207
Egypt, 166, 186–187, 207
El Salvador, 166, 187, 207
Equatorial Guinea, 166, 187, 208
Eritrea, 166, 187, 208
Estonia, 76, 187
Ethiopia, 72, 79, 147, 166, 187, 208
- Falkland Islands, 187
Faroe Islands, 187
Fiji, 188, 208
Finland, 188
France, 188
French Guiana, 155, 166, 188
French Polynesia, 188, 208
- Gabon, 166, 188, 208
Gambia, 166, 208

- Georgia, 166, 188
 Germany, 188
 Ghana, 166, 188, 208
 Gibraltar, 189
 Greece, 189
 Greenland, 189
 Grenada, 189, 208
 Guadeloupe, 189, 208
 Guam, 189
 Guatemala, 166, 189, 208
 Guinea, 166, 189, 208
 Guinea-Bissau, 166, 189, 208
 Guyana, 147, 166, 189–190, 208

 Haiti, 166, 190, 208
 Honduras, 166, 190, 208
 Hong Kong Special Administrative Region of China, 74, 184
 Hungary, 76, 190

 Iceland, 190
 India, 69, 109, 116, 120, 147, 148, 166, 176, 190–191, 208
 Indonesia, 75, 147, 166, 191, 208
 Iran, Islamic Republic of, 69, 166, 191
 Iraq, 166, 191, 208
 Ireland, 191
 Isle of Man, 204
 Israel, 191
 Italy, 191

 Jamaica, 191, 208
 Japan, 75, 107, 113, 116, 191
 Jordan, 192, 209

 Kazakhstan, 192, 209
 Kenya, 166, 192, 209
 Kiribati, 192, 209
 Korea, Democratic People's Republic of, 166, 192
 Korea, Republic of, 147, 166, 192
 Kuwait, 192
 Kyrgyzstan, 166, 192

 Lao People's Democratic Republic, 75, 166, 192, 209
 Latvia, 76, 192
 Lebanon, 193, 209
 Lesotho, 193, 209
 Liberia, 166, 193, 209
 Libyan Arab Jamahiriya, 193, 209
 Liechtenstein, 193

 Lithuania, 76, 193
 Luxembourg, 193

 Macao Special Administrative Region of China, 185
 Macedonia, The Former Yugoslav Republic of, 193
 Madagascar, 166, 189, 193, 209
 Malawi, 166, 193, 209
 Malaysia, 166, 193, 209
 Maldives, 194, 209
 Mali, 166, 194, 209
 Malta, 194, 209
 Malvinas, 187
 Marshall Islands, 194
 Martinique, 194
 Mauritania, 166, 194, 209
 Mauritius, 166, 194, 209
 Mayotte (French Territorial Collectivity), 194
 Mexico, 77, 166, 194
 Micronesia, Federated States of, 195
 Moldova, Republic of, 195
 Monaco, 195
 Mongolia, 195
 Montenegro, 195
 Montserrat, 195, 209
 Morocco, 166, 195
 Mozambique, 166, 195, 209
 Myanmar (formerly Burma), 195

 Namibia, 109, 166, 195–196, 209
 Nauru, 196, 210
 Nepal, 69, 116, 166, 196, 210
 Netherlands, 196, 210
 Netherlands Antilles, 196, 210
 New Caledonia and Dependencies, 196
 New Zealand, 23, 63, 196
 Nicaragua, 166, 196, 210
 Niger, 166, 196–197, 210
 Nigeria, 109, 166, 176, 197, 210
 Niue, 197, 210
 Northern Mariana Islands, 197
 Norway, 197

 Oman, 166, 197, 210

 Pakistan, 109, 116, 166, 176, 197, 210
 Palau, 197, 210
 Panama, 166, 197–198, 210
 Papua New Guinea, 147, 166, 198, 210
 Paraguay, 166, 198, 210

Peru, 79, 147, 166, 181, 198, 210
 Philippines, 75, 166, 198, 210
 Pitcairn, 198, 210
 Poland, 198
 Portugal, 198–199, 210
 Puerto Rico, 199

 Qatar, 199

 Reunion, 199, 210
 Romania, 199
 Russian Federation, 76, 116, 199
 Rwanda, 79, 166, 199, 210

 Saint Helena, 199, 210
 Saint Kitts and Nevis, 199, 210
 Saint Lucia, 199, 211
 Saint Pierre and Miquelon, 199
 Saint Vincent and the Grenadines, 199,
 211
 Samoa, 199, 211
 San Marino, 200
 Sao Tome and Principe, 166, 200, 211
 Saudi Arabia, 61, 69, 72, 96, 97, 118, 133,
 166, 175–176, 200, 211
 Senegal, 72, 166, 200, 211
 Serbia, 200
 Seychelles, 200, 211
 Sierra Leone, 166, 200, 211
 Singapore, 74–75, 200, 211
 Slovakia, 200
 Slovenia, 201
 Solomon Islands, 147, 166, 201, 211
 Somalia, 166, 201, 211
 South Africa, 166, 201, 211
 Spain, 201
 Sri Lanka, 166, 201, 211
 Sudan, 69, 166, 201, 211
 Suriname, 75, 155, 166, 211
 Swaziland, 166, 202, 211

 Sweden, 202
 Switzerland, 155, 202
 Syrian Arab Republic, 69, 166, 202, 211

 Tajikistan, 166, 202
 Tanzania, United Republic of, 166, 202,
 211
 Thailand, 116, 147, 154, 155, 166, 202, 211
 Timor Leste, 203, 211
 Togo, 166, 212
 Tokelau, 203
 Tonga, 203, 212
 Trinidad and Tobago, 203, 212
 Tunisia, 203, 212
 Turkey, 147, 166, 203
 Turkmenistan, 166, 203
 Tuvalu, 203

 Uganda, 166, 203–204, 212
 Ukraine, 204
 United Arab Emirates, 204
 United Kingdom (UK), 204
 United States of America (USA), 204
 Uruguay, 204, 212
 Uzbekistan, 166, 204

 Vanuatu, 166, 204
 Venezuela, Bolivarian Republic of, 75, 204
 Viet Nam, 74, 116, 155, 166, 204, 212
 Virgin Islands (USA), 204

 Wake Island, 205

 Yemen, 166, 205, 212

 Zambia, 166, 205
 Zimbabwe, 166, 205

Index by subject

- Accidents, 10, 49–51
 - in recreational waters, 49, 50–51
 - traffic, 10, 49–50, 169, 175
- Accommodation, quality of, 1–2
- Acute mountain sickness, 30–31
- Acupuncture, 54, 102
- Adolescents, 133
- Adventure travellers, 44, 46, 62
- Aedes* mosquitoes, 47, 58, 80
- Age
 - health risks and, 5
 - thromboembolism risk and, 16
 - see also Children; Elderly; Infants
- AIDS see HIV/AIDS
- Air
 - pressure, aircraft cabin, 13, 14
 - quality, aircraft cabin, 22–23
- Airborne diseases, 54
- Air-conditioning, 46, 68–69
- Aircraft
 - cabin air pressure, 13, 20
 - cabin air quality, 22
 - cabin humidity, 14
 - disinsection, 23
- Air rage, 19
- Air travel, 12–25
 - communicable diseases, 22–23
 - contraindications, 24
 - dehydration, 14
 - in-flight medical assistance, 23–24
 - immobility, circulatory problems and
 - Deep Vein Thrombosis (DVT), 15–16
 - jet lag, 17–18
 - medical restrictions, 24–25
 - motion sickness, 15
 - ozone and cosmic radiation, 14–15
 - passengers with special needs, 5–7, 19–22
 - psychological aspects, 18–19
- Alcohol consumption
 - air travellers, 19
 - water activity risks, 39, 50–51
- Altitude, 10, 30–31
 - illness, 30
- Amodiaquine, 162
- Anaemia, 6, 13, 20, 70, 76
- Anaphylactic reactions, 113, 138–139, 140
- Ancylostoma*, 35
- Angina pectoris, 24
- Animals, 10, 41–48
 - aquatic, 38, 43–44
 - bites, 10, 41–43, 48, 54, 73–74, 120, 124
 - diseases transmitted from, 54
 - travelling with, 42
- Anopheles* mosquitoes, 47, 146
- Anthrax, 54–55, 57
- Antidiarrhoeal medicines, 37–38
- Antimalarial drugs
 - adverse effects, 151
 - in children, 157–158, 160–165
 - contraindications, 151
 - long-term use, 151–152
 - in pregnant women, 151, 155–156, 162–165
 - prophylaxis, 147, 151–152, 156, 158, 160–161
 - in *P. vivax*, *P. ovale* and *P. malariae* infections, 147, 158
 - resistance to, 147, 163
 - stand-by emergency treatment, 153–155, 158, 159
 - in uncomplicated malaria, 162–165
 - in women who may become pregnant, 157
- Antimicrobial agents, 67
- Antiretroviral drugs, 67, 159, 172
- Antivenom, 42, 44
- Anxiety, 11, 18–19
- Aquatic animals, 43–44
- Artemether, 153, 157, 159, 162
- Artemether/lumefantrine, 152, 155–156, 159, 162
- Artemisinin/derivatives, 156, 162
- Artesunate, 152, 153, 157

- Ascaris*, 35
 Aspirin, 16
 Asplenia (absent spleen), 136
 Athlete's foot, 32, 40
 Atovaquone/proguanil
 in children, 155, 158, 160, 162
 prophylaxis, 151–152, 155, 156, 158, 160
 treatment, 152, 155, 156, 158, 159, 162
 Avian influenza, 56
 Azithromycin, 38
- Bacillus anthracis*, 57
 Backpackers, 46
 BCG vaccine, 78, 112, 137–138, 140
 adverse reactions, 137–138
 contraindications, 137, 140
 Behaviour, traveller's, 2
 Bilharziasis *see* Schistosomiasis
 Bites/stings
 animal (mammal), 41–42, 73–74, 120
 aquatic animals, 43–44
 insects/vectors, 44–46
 snake/scorpion/spider, 42–43
 Blackflies, 47, 59–60
 Blood
 accidental exposure, 65–66, 169–172
 loss, sudden massive, 168
 transfusion, 54, 63–64, 65–66, 77, 102, 168–169
 Bloodborne diseases, 54, 168–173
 Blood-clotting abnormalities, 16
 Body fluids, accidental exposure, 65–66, 169–172
 Boots *see* Footwear
Bordetella pertussis, 100
 Borreliosis *see* Lyme disease
 Breastfeeding
 malaria chemoprophylaxis, 160–161
 malaria treatment, 162–165
 Brucellosis, 33, 57
 Business travellers, 2, 5, 51
- Cancer, 16, 20, 136
 Cardiovascular disease, 6, 9
 air travel, 20, 24–25
 altitude travel, 31
 vaccinations, 136
 Certificate, international vaccination, 97, 132, 142–143, 144–145, 178
 Chagas disease, 47, 77, 169
- Chancroid, 65, 67
 Checklist, traveller's, 10
 Chemicals, toxic, 34, 39
 Chest pain, 15, 24
 Chikungunya, 47, 58–59
 Children, 5
 in hot climates, 32
 malaria, 147, 157–158
 chemoprophylaxis, 147, 149, 157–158
 treatment, 157–158, 162–165
 oral rehydration solution, 37–38
 sun exposure, 33
 vaccinations, 96, 133, 136
 water activities, 39–40, 50–51
 see also Infants
Chironex fleckeri, 44
 Chlamydial infection, 65, 67
 Chloroquine
 side effects, 151
 in children, 158, 160, 163
 in pregnant women, 160, 163
 prophylaxis, 150, 151, 152, 160–161
 stand-by emergency treatment, 153, 159
 treatment, 152–153, 163
 Cholera, 58, 113–114
 geographical distribution, 58, 81, 178
 vaccine, 113–114, 178
 adverse reactions, 114, 138
 in pregnancy, 123, 135
 Chronic disease, 6, 9
 air travel, 20
 vaccinations, 136
 Ciprofloxacin, 38
 Circulatory problems, air travellers, 15–16, 24
 Clindamycin, 152, 156, 157, 158, 163, 165, 219
Clostridium tetani, 99
 Clothing, 33, 43, 45–46
 Cnidaria, venomous, 43
 Coastal waters *see* Recreational waters
 Cold water immersion, 39
 Condoms, 4, 54, 64–67, 103
 Conger eels, 43
 Convulsions, vaccine-associated, 140
Corynebacterium diphtheriae, 98
 Crime, violent, 51–52
 Crimean–Congo haemorrhagic fever (CCHF), 47, 61

- Crocodiles, 43
 Cruise ship medicine, 25–29
Cryptosporidium infections, 40
Culex mosquitoes, 47, 68
 Cysticercosis, 35
- Death, 7
 DEET (diethyltoluamide), 45
 Deep vein thrombosis (DVT), 15–16
 Defibrillators
 - automated external, 24
 - automatic implanted, 21
 Dehydration, 14, 31–32, 37–38, 175
 Dengue, 44, 59, 61, 82
 - fever, 47, 59
 - geographical distribution, 59, 82
 - haemorrhagic fever, 50, 59, 61
 - shock syndrome, 59
 Dental check-up, pre-travel, 3
 Dental instruments, 66
 Destination, 1–5, 10, 11
 Diabetes mellitus, 6, 9, 104, 136
 Dialysis, renal, 6
 Diarrhoea
 - travellers' *see* Travellers' diarrhoea
 - water activity risks, 39–40
 Diethyltoluamide (DEET), 45
 Diphtheria, 95, 97, 98–99
 Diphtheria/tetanus/pertussis (DTP)
 - vaccine, 97, 98–101
 - adverse reactions, 138
 - contraindications, 140
 Diphtheria–tetanus vaccine (DT), 95, 98, 99, 135
 - with reduced diphtheria (Td), 95, 99
 Disability, 6, 21–22
 Disinsection, aircraft, 23
 Divers, 17, 43–44, 51
 Dogs, 10, 35, 41–42, 74, 120, 124
 Doxycycline
 - in children, 157–158, 161, 163
 - malaria prophylaxis, 151–152, 155–156
 - malaria therapy, 147
 - stand-by emergency treatment, 159
 Drinks
 - avoiding unsafe, 35–37
 - health risks, 33–34
 - see also* Alcohol consumption; Fluid intake; Water
 Driving, 49–50, 51–52
 Drowning, 39–40, 50–51
- Drugs *see* Medicines
 DTP vaccine *see* Diphtheria/tetanus/pertussis (DTP) vaccine
 Duration, visit, 2, 5, 9
 DVT *see* Deep vein thrombosis
- Ear
 - gas expansion in, 13
 - infections, 13, 24, 40
 Ebola haemorrhagic fever, 61
Echinococcus granulosus, 35
 Eggs
 - allergy, 104, 106, 130, 131, 140
 - precautions, 11
 Elderly, 5, 31–32, 34
 - vaccination, 108, 131, 134–136
 Emergency travel, 111
 Emerging diseases, 2, 214
 Encephalitis/encephalopathy
 - vaccine-associated, 131, 138, 140
 - see also* Japanese encephalitis; Tick-borne encephalitis
 Enteric fever *see* Typhoid fever
 Environmental health risks, 30–48
 Epilepsy, 6, 11, 140
 Espundia, 69
 Estrogen therapy, 16
 Exercises, in-flight, 16
 Eyes
 - contact with blood/body fluids, 171
 - envenoming, 42–44
 - problems, 32–33
 Fear of flying, 18–19
 Female condom, 66
 Fever
 - in children, 157–158
 - in returned travellers, 9, 146, 153
 Filariasis, 59–60
 - lymphatic, 47, 59–60
 Fire corals, 43
 First aid
 - animal bites, 41–42
 - in-flight, 23
 - kits, 3–5, 23–24
 - snake/scorpion/spider bites, 42–43
 Fish
 - poisoning, 34, 36
 - venomous, 43
 Fishing, 39, 51

- Fleas, 47
- Flies, bloodsucking, 44–46
- Flight phobia, 18–19
- Flotation aids, 39, 51
- Fluid intake
- air travellers, 22
 - in hot climates, 31
 - in travellers' diarrhoea, 37–38
 - see also* Drinks; Water
- Flying *see* Air travel
- Food
- borne health risks, 33–37, 53
 - hygiene, 10
 - safety precautions, 35–36
- Footwear, 41, 43, 46
- Frequent travellers, 9, 21, 134
- Fruit, 35, 36
- Fungal skin infections, 32, 40
- Gas expansion, in-flight, 13–14
- Gastroenteritis, 40
- see also* Travellers' diarrhoea
- Genital herpes, 65, 67
- Genital ulcers, 65
- Genital warts, 65, 67
- Giardiasis (*Giardia* infections), 33, 40, 60
- Glucose-6-phosphate dehydrogenase (G6PD) deficiency, 164, 165
- Gonorrhoea, 65, 67
- Haemophilia, 169
- Haemophilus influenzae* type b (Hib), 101–102
- meningitis, 60–61, 101–102
 - vaccination, 95, 136
 - vaccine, 95, 101–102
- Haemorrhagic fever with renal syndrome (HFRS), 62
- Haemorrhagic fevers, 61
- HAI *see* High-altitude illness
- Hajj, 96, 118–119, 133, 175–176
- Hajj pilgrims, 96, 118–119, 133, 175–176
- Halofantrine, 161, 164
- Hantavirus diseases, 62
- Hantavirus pulmonary syndrome (HPS), 62
- Head injuries, 50–51
- Heart failure, congestive, 15–16
- Heat, 31–32
- exhaustion, 31–32, 39
 - prickly, 32
- Helminth infections, intestinal, 35
- Heparin, 16
- Hepatitis, chronic, 6
- Hepatitis A, 62–63, 114–115
- geographical distribution, 62, 83
 - immunoglobulin, 115
 - vaccine, 97, 103–105, 115
 - adverse reactions, 115, 138
 - combinations, 95, 115
 - in pregnancy, 135
- Hepatitis B, 63, 64, 102–103
- exposure to blood/body fluids and, 168–170, 172
 - geographical distribution, 63, 84
 - prophylaxis, 63–64
 - transmission, 54, 63, 65, 102, 168–170
 - treatment, 66–67
 - vaccine, 102–103
 - adverse reactions, 115, 138, 139
 - combination, 95, 103, 115
 - in elderly, 135
 - in pregnancy, 135
 - rapid administration schedules, 103
- Hepatitis C, 54, 63–64, 85, 168–170, 172
- Hepatitis E, 33, 64
- Herpes, genital, 65, 67
- Hib *see* *Haemophilus influenzae* type b
- High-altitude, 30–31
- High-altitude cerebral oedema, 30
- High-altitude illness, 30
- High-altitude pulmonary oedema, 30
- Hijacking, vehicle, 52
- HIV/AIDS, 64–67
- exposure to blood/body fluids and, 65–66, 169–172
 - geographical distribution, 86
 - precautions, 66
 - risk for travellers, 6, 55, 65–66, 147, 159
 - transmission, 65–66
 - treatment, 66–67
 - vaccination, 66, 93, 106, 108, 111, 129, 136–137
- Hookworms, 35
- Hormone replacement therapy, 16
- Human diploid cell vaccine (HDCV), 126
- Human immunodeficiency virus *see* HIV
- Human papilloma virus, 65
- see also* Warts
- Humidity, 31–32
- aircraft cabin, 14
- Hydatid disease, 35

- Hygiene
 food, 10, 35–36, 53
 standards, 1–2, 34, 35, 44, 53
- Hypertension, uncontrolled arterial, 24
- Hypothermia, immersion, 39
- Hypoxia, 13, 30
- Ice, 36
- Ice cream, 36
- Immersion hypothermia, 39
- Immobility, air travellers, 15–16
- Immunization, 93
see also Vaccination
- Immunocompromised travellers, 6
 vaccination, 106, 110, 129, 136–137
- Implanted defibrillators, automatic, 21
- Incubation periods, 55
- Infantile paralysis *see* Poliomyelitis
- Infants, 5
 air travel, 13, 20, 24
 environmental health risks, 26, 29
 vaccination, 94, 95, 133, 177
see also Children
- Infections, water activity risks, 39–41
- Infectious diseases, 53–92, 177–178
 bloodborne, 54, 65–66, 168–172
 contraindicating air travel, 24–25
 food- and waterborne, 33–34, 53, 55
 modes of transmission, 53–55
 notifiable, 213
 prevention, 93
 sexually transmitted, 54, 64–65, 170
 transmission during air travel, 22–23
 vector-borne, 47, 53
see also Specific diseases
- Inflammatory bowel disease, 6
- Influenza, 67–68, 104
 transmission during air travel, 22
 vaccination, 28, 67–68, 135, 136, 175
 vaccine, 68, 138, 140
- Injections
 safe, 66, 95
 transmission of disease, 65, 66
- Injuries *see* Traumatic injuries
- Insecticides
 aircraft disinsection, 23
 impregnated nets, 45, 156, 158
 sprays, 23, 45
 vaporizers, 45
- Insect repellents, 45, 156, 158
- Insects, 44–47, 53
- Insurance, 7, 8, 10, 49
- International certificate of vaccination or prophylaxis, 132, 144–145
- International Health Regulations, 25–26, 96, 132, 144, 177–178, 213–214
- International vaccination certificate, 90–91, 142
- Intestinal parasites, 35
- Intracranial pressure, increased, 24
- Japanese encephalitis (JE), 68, 116–117
 geographical distribution, 68, 87
 transmission, 68, 116
 vaccine, 116–117
 adverse reactions, 116–117, 138
 in pregnancy, 116, 135
- Jellyfish, 43–44
- Jet lag, 17
- Kala-azar, 69
- Keratitis, acute, 32
- Lakes *see* Recreational waters
- Larva migrans, cutaneous, 35
- Lassa fever, 61
- Last-minute travellers, 3, 8, 174–175
- Legionellosis (*Legionella* infections), 27–28, 33, 40, 68
- Legionnaires disease, 68–69
- Leishmaniasis, 47, 55, 69
- Leptospirosis, 33, 40, 54, 70
- Letter, physician's, 4, 7, 8
- Life jackets, 39, 51
- Listeriosis, 33, 70–71
- Loperamide, 38
- Louse-borne typhus, epidemic, 79
- Lyme disease (borreliosis), 71
 transmission, 71
- Malaria, 146–167, 178–179
 aircraft disinsection, 23
 chemoprophylaxis, 144–145, 149–151, 156, 158
 long-term, 151–152
 in children *see* Children, malaria
 clinical features, 147
 country-specific information, 180–205
 geographical distribution, 88, 146, 148, 166
 precautions, 10, 149
 in pregnancy *see* Pregnancy, malaria
 rapid diagnostic tests (dipsticks), 154
 risk for travellers, 148–149

- table of recommended prevention for each country, 150, 179
- transmission, 47, 53, 55, 146
- treatment
 - multidrug-resistant disease, 155
 - P. vivax*, *P. ovale* and *P. malariae* infections, 152–153, 158
 - stand-by emergency, 153–155, 159
 - uncomplicated disease, 162–165
 - see also* Antimalarial drugs
- Mammals, 41–42
- Marburg haemorrhagic fever, 61
- Measles, 105–106, 138
- Measles/mumps/rubella (MMR) vaccine, 95, 97, 105, 106, 107
 - adverse reactions, 137
 - contraindications, 137, 140
 - in pregnancy, 105, 107
- Measles/rubella (MR) vaccine, 105
- Measles vaccine, 90, 105–106
 - adverse reactions, 138
 - contraindications, 106, 136, 138
- Mecca, pilgrims to, 96, 118, 133
- Medical assistance, in-flight, 23–24
- Medical card, frequent traveller's, 21
- Medical care, quality of, 1–2
- Medical clearance, by airline, 19–20
- Medical conditions, pre-existing, 5–7, 20–21
 - see also* Chronic disease
- Medical consultation
 - post-travel, 9
 - pre-travel, 3, 94
- Medical kits
 - aircraft, 21
 - travellers', 3–5, 8
- Medical questionnaire, predeparture, 11
- Medicines
 - photosensitizing, 33
 - travelling with, 4, 6, 8
- Mefloquine
 - adverse effects, 136, 151, 164
 - in children, 158, 161, 164
 - in pregnant women, 155–156, 161, 164
 - prophylaxis, 150, 151, 154–155, 156, 158, 161
 - stand-by emergency treatment, 154–155, 159
 - treatment, 155–158, 164
- Melatonin, 18
- Meningitis
 - Haemophilus influenzae* type b (Hib), 60–61, 101–102
- Meningococcal disease, 71–72, 117–119, 121
- Meningococcal vaccines, 118–119
 - adverse reactions, 119, 138
 - in asplenia, 136
 - mandatory use, 96, 118, 133
 - in pregnancy, 123, 135
- Mental disorders, 6
- Milk, 37, 54
- MMR vaccine *see* Measles/mumps/rubella (MMR) vaccine
- Molluscum contagiosum, 40
- Moray eels, 43
- Mosquito coils, 45–46
- Mosquitoes, 44
 - aircraft disinsection, 23
 - diseases transmitted by, 44, 47, 146
 - protection against, 44–46, 149, 158
- Mosquito nets, 45, 156, 158
- Motion sickness, 15, 28
- Motor vehicle
 - accidents, 49–50
 - hijackings, 52
- Mountain sickness, acute, 30–31
- Mucous membranes, contact with blood/body fluids, 169, 171
- Muggings, 51
- Mumps vaccine
 - adverse reactions, 106, 137, 138
 - see also* Measles/mumps/rubella (MMR) vaccine
- Mycobacterium tuberculosis*, 77
- Myocardial infarction, recent, 24
- Necator*, 35
- Needles
 - safe use, 66, 95
 - transmission of disease, 63, 65, 69
- Neisseria meningitidis*, 71
 - see also* Meningococcal disease
- Neurological disease, evolving, 140
- Nicotine replacement, 21
- Nose infections, 13, 24, 71
- Notifiable diseases, 213
- Obesity, 16
- Octopus, 43–44
- Oestrogen therapy, 16

- Onchocerciasis, 47, 59–60
 Oral contraceptive use, 16
 Oral rehydration solution (ORS), 37
 Otitis externa, 40
 Oxygen, in aircraft cabin air, 13
 Ozone, 14
- Pacemakers, 21
 Papillomas *see* Warts
 Parasites, intestinal, 35
 Paratyphoid fever, 78–79
 Pelvic inflammatory disease, 65
 Pertussis, 100–101
 vaccines, 55, 100–101, 140
 see also Diphtheria/tetanus/pertussis (DTP) vaccine
- Phlebotomus* fever, 47
 Phobia, flight, 19
 Photosensitization, 33
 Physician's letter, 4, 7, 8, 28
 Piercing, skin, 54, 65–66, 102
 Pilgrimage, 96, 118, 133, 175–176
 Piranhas, 43
 Plague, 47, 72–73
Plasmodium falciparum, 146
 in children, 141–142
 malaria, 147, 179
 multidrug-resistant, 147, 155
 in pregnancy, 155–156
 risk for travellers, 148–149
Plasmodium malariae, 146, 147, 153, 158, 163
Plasmodium ovale, 146, 150, 153, 158, 162, 163, 164
Plasmodium vivax, 146, 147
 chemoprophylaxis, 149–150, 179
 treatment of infections, 152–153, 158, 162–164
 Pneumococcal disease, 97, 108–109, 138
 Pneumococcal vaccine, 108–109
 adverse reactions, 138
 recommended use, 109, 136
 Pneumonia
 Haemophilus influenzae type b (Hib), 101–102
 pneumococcal, 108
 Pneumothorax, 24
 Poliomyelitis, 109–110
 geographical distribution, 89, 109
 vaccine-associated paralytic (VAPP), 110
- vaccines
 adverse reactions, 110, 139
 contraindications/precautions, 110, 135, 139
 in elderly, 134–135
 inactivated (IPV), 110
 oral (OPV), 110
- Pontiac fever, 69
 Post-exposure hepatitis B prophylaxis, 170
 Post-exposure HIV prophylaxis, 170
 Post-exposure rabies prophylaxis, 123–127
 Post-travel medical examination, 9
 Predeparture medical questionnaire, 11
 Pre-exposure rabies prophylaxis, 121–123
 Pregnancy, 5–6
 air travel, 20, 24
 malaria, 5, 155–156
 chemoprophylaxis, 156, 160–161
 treatment, 152–153, 156–157, 162–165
 vaccination in, 134, 135, 140
 yellow fever vaccination, 131–132, 134, 135, 140
- Premature babies, 20
 Pre-travel advice, 7–8, 159
 Pre-travel medical consultation, 3, 94, 175
 Prickly heat, 32
 Primaquine, 152–153, 156, 158, 164
 Proguanil
 in children, 158, 161
 in pregnant women, 156, 161
 prophylaxis, 151, 156, 158, 161
 see also Atovaquone/proguanil
- Pseudomonas aeruginosa*, 40
 Psychological aspects, air travel, 18–19
 Pulmonary embolism, 15–16
 Purified chick embryo cell vaccine (PCECV), 126
 Purified vero cell rabies vaccine (PVRV), 126
- Q fever, 47
 Quinine
 in pregnant women, 157, 165
 stand-by emergency treatment, 154–155, 159
 treatment, 153, 156, 165
- Rabies, 73–74, 120–127
 geographical distribution, 73–74, 90
 immunoglobulin (RIG), 124

- post-exposure treatment, 41, 120, 123–127
- risk for travellers, 41–42, 74, 120, 174
- vaccine, 97, 120–121
 - adverse reactions, 122–123, 125, 139
 - post-exposure use, 123–127
 - pre-exposure use, 41, 121–122
 - in pregnancy, 125, 135
- Radiation
 - cosmic, 14–15
 - ultraviolet (UV), 32–33
- Rats, 47, 70, 73
- Records, vaccination, 3, 97
- Recreational waters, 38–41
 - animal-related hazards, 43–44
 - health hazards, 38
 - injuries and accidents, 50–51
 - safety precautions, 40
- Relapsing fever, 47
- Renal dialysis, 6
- Repatriation, 7, 10
- Respiratory disease, chronic, 6, 9
 - air travel, 24
 - high altitude travel, 31
 - vaccinations, 136
- Respiratory tract infections
 - air travel, 13, 24
 - risks for travellers, 32, 39–40
- Resuscitation, in-flight, 24
- Retinal detachment, 51
- Rickettsial diseases, 47
- Rickettsia prowazekii*, 79
- Rift Valley fever (RVF), 47, 61
- Risks
 - pre-travel assessment, 3
 - travel-related, 1–2
- River blindness, 47, 59–60
- Rivers *see* Recreational waters
- Road-traffic accidents, 49–50
- Rodents, 26, 62, 69, 70, 72–73, 76, 124
- Rotavirus, 111
- Roundworms, 35, 59
- Rubella vaccine
 - adverse reactions, 107, 139
 - see also* Measles/mumps/rubella (MMR) vaccine
- Salmonella typhi*, 78, 128, 130
- Salt consumption, 32, 37
- Sandflies, 47, 69
- Sandfly fever, 47
- Sanitation, 1–2, 25, 26, 34, 35, 53
- SARS *see* Severe acute respiratory syndrome
- Schistosomiasis, 33, 40, 46–47, 75
- Scorpionfish, 43
- Scorpions, 42–43
- Scuba divers, 17, 43
- Sea anemones, 43
- Seafood, 34, 36
- Seals, 43
- Sea travel, 25–29
- Sea urchins, 43, 44
- Severe acute respiratory syndrome, 23, 74
- Sexually transmitted diseases, 54, 64–67, 133–134
- Sharks, 43
- Shellfish, 34, 36, 78
- Shipping companies, 7
- Shoes, 41, 43, 46
- Sickle-cell disease, 25, 31
- Sinus infections, 13, 24
- Skating, 39
- Skin
 - ageing, 32
 - cancer, 32
 - contact with blood/body fluids, 171
 - infections, 32, 40
 - piercing, 54, 65, 66, 102
 - problems, 32, 33
- Sleeping pills, 18
- Sleeping sickness, 47, 76–77
- Smallpox vaccination, 178
- Smokers, 21
- Snails, aquatic, 34, 44, 47
- Snakes, 10, 42–43
- “Snow blindness”, 32
- Soil-borne diseases, 54–55
- Special needs, travellers with, 5–7, 19–22, 124
- Spiders, 42–43
- Spinal injuries, 50–51
- Spleen, absent, 136
- Spotted fevers, 47
- Spring–summer encephalitis *see* Tick-borne encephalitis
- Stingrays, 43
- Stings *see* Bites/stings
- Stonefish, 37, 43–44
- Streptococcus pneumoniae* (pneumococcus), 108–109
- Stroke, recent, 24
- Sulfadoxine–pyrimethamine
 - malaria treatment, 155–159

- Sun, 10, 32–33
 Sunburn, 32, 38, 161
 Sunglasses, 10, 33
 Sun hats, 33
 Sunscreens, 10, 33
 Sunstroke, 32, 38
 Surgery, recent, 14, 16, 20, 21, 24
 Surgical instruments, 66
 Sweating, excessive, 32
 Swimmers itch, 75
 Swimming, 39–40, 43–44, 50–51
 Syphilis, 54, 64–67, 169
 Syringes
 safe use, 95
 transmission of disease, 63, 64, 65, 170

Taenia saginata, 35
Taenia solium, 35
 Tapeworms, 35
 Tattooing, 54, 63–64, 65–66, 102
 Telemedicine, 24
 Temperature, high, 31
 Tetanus, 99–100
 toxoid (T), 99, 100
 vaccines, 99–100
 adverse reactions, 139
 in pregnancy, 135
 see also Diphtheria/tetanus/
 pertussis (DTP) vaccine;
 Diphtheria–tetanus vaccine
 Tetracycline, malaria therapy, 159, 160,
 163, 164
 Throat infections, 40, 98
 Thromboembolism
 in air travellers, 15–16
 previous, 6, 16
 Thrombosis, venous, 15–16
 Tick-borne encephalitis (TBE), 76,
 127–128
 transmission, 47, 53, 76
 vaccine, 127–128, 139
 Ticks, 44, 45–46
 diseases transmitted, 44, 47, 53, 61, 76
 precautions, 53, 61, 71, 76, 128
 Tinea pedis, 32, 40
 Toilet items, 3–4
 Tooth brushing, 36
 Tourists, 2, 51, 174
 Tour operators, 7
 Traffic accidents, 10, 49–50, 175
 Tranquillizers, 19
 Transfusion, blood, 54, 63, 65–66, 77, 102,
 168–169

 Traumatic injuries
 recent, 16, 24
 risks for travellers, 49–50
 Travel agents, 2, 7–8
 Travel industry professionals, 7–8
 Travellers
 checklist, 3, 9, 10
 elderly, 134–136
 frequent, 9, 21, 134
 health risks, 1–2
 insurance, 7, 8, 49, 175
 last-minute, 174–175
 post-travel medical check, 9
 pre-travel medical consultation, 3,
 174–175
 responsibility, 8–8
 with special needs, 5–7, 19–22
 Travellers' diarrhoea, 27, 33–34, 37–38
 cholera vaccine and, 114
 safety precautions, 35–36
 treatment, 37–38
 Triatomine bugs, 47, 77
 Trichomoniasis, 65
Trichuris, 35
 Trypanosomiasis, 76–77
 African, 47, 76–77
 American, 47, 77
 Tsetse flies, 47, 76–77
 Tuberculosis (TB), 77–78, 111–112
 geographical distribution, 78, 91
 transmission in aircraft, 22
 vaccine *see* BCG vaccine
 Tularaemia, 47
 Typhoid fever, 33, 78–79, 97, 128–130, 174
 Typhoid vaccines, 128–130
 adverse reactions, 129–130, 135, 139
 combined with hepatitis A, 95, 129
 injectable Vi (Vi CPS), 129–130
 oral Ty21a, 95, 128–130
 Typhus fever, 79

 Ultraviolet (UV) radiation, 32–33
 Umrah, 96, 118, 133
 Umrah pilgrims, 96, 118, 133
 Urethral discharge, 65

 Vaccination, 93–145
 adolescents and young adults, 133–134
 booster, 96
 in chronic illness, 136
 elderly, 134–136
 frequent travellers, 134

- HIV-positive/immunocompromised travellers, 136–137
- infants and young children, 133
- international certificate, 97, 132, 142–145, 178
- mandatory, 96, 97, 132–133, 175–176, 177–178
- in pregnancy, 134, 135, 140
- pre-travel planning, 10, 94
- records, 3, 97
- routine, 93, 96, 97, 98–113, 133, 174, 176
- selective, 94, 96, 113–132
- see also* Specific diseases
- Vaccines, 93–145
 - adverse reactions, 137–140
 - contraindications, 137–140
 - multiple administration, 95–96, 125
 - schedules and administration, 94–95
 - for travellers, 94, 96–97
 - see also* Specific vaccines
- Vaginal discharge, 65
- Varicella, 112–113
- Varicella vaccine, 95, 97, 113, 134, 135, 140
- Varicose veins, 16
- Vectors, 44–48
 - borne diseases, 44, 47, 53
 - protection against, 44–46
- Vegetables, 36, 54–55
- Venous thrombosis, 15–16
- Vibrio cholerae*, 58
- Violence, 49, 51–52, 170
- Visiting friends and relatives (VFR), 5, 174–175
- Warts
 - cutaneous, 40
 - genital, 65, 67, 103
- Water
 - borne health risks, 33–34
 - drinking, 10, 34
 - quality, 1–2
 - recreational *see* Recreational waters
 - safety precautions, 35–37
 - in schistosomiasis areas, 46
 - vector-borne diseases and, 44
 - see also* Fluid intake
- Weekly Epidemiological Record*, 80, 133, 176, 181
- Weever fish, 43
- Weil disease, 70
- West Nile fever, 47
- Whooping cough *see* Pertussis
- XDR TB, 78
- Yellow fever, 61, 80, 130–132
 - “a risk of yellow fever transmission is present”, 177
 - aircraft disinsection, 23
 - list of countries endemic for, 206–212
 - countries requesting yellow fever vaccination for travellers coming from endemic countries, 206–212
 - geographical distribution, 80, 92
 - “infected areas”, 177
 - transmission, 47, 54, 80, 178
 - vaccination, 97, 132, 177–178
 - certificate, 97, 132, 142–143, 178
 - country-specific information, 180–205
 - exemption certificate, 132, 136
 - in pregnancy, 132, 134, 135
 - vaccine, 130
 - adverse reactions, 130–131, 137, 139
 - contraindications, 130–132, 137, 140
- Yersinia pestis*, 72
- Young adults, 133–134
- Zoonoses, 54

