

Index

- adaptation: biological and social, 1–3, 56, 131
aguardiente, *see* alcohol
 Aguayo, Rodríguez de (archdeacon), 46
 Alcedo, Antonio de, 15
 alcohol: illegal manufacture of, 111–12; medical problems caused by, 75, 111–12
alfombrilla, *see* measles
 Almagro, Diego de, 33, 34
ambicamayos, 29, 74
 amebiasis, 20
 Arriaga, Pablo Joseph de, 29–30, 74, 75
 Atahualpa, 11, 13, 23, 32, 33, 131
audiencia: regulation of hospitals, 70, 109; responses to natural disasters, 66, 95, 99; *see also* public health, legislation
ausentes, *see* forasteros
 autopsies, 104, 112
 Avedaño, Pedro de (visitor), 17, 18, 48
 bartonellosis, 20–1, 25
 Benalcázar, Sebastián de, 32–3, 34
 Bethlehemites, 70, 108
 blastomycosis, *see* infections
 bleeding, *see* phlebotomy
 Borja y Aragón, Francisco de (viceroy), 71
 boticas, *see* pharmacies
 Bourbon reforms, 108, 112–13, 125–6

cabildo of Quito: census data, 47–8; legislation, 34, 93, 118; and native relocation, 50–1; regulation of medical profession, 70, 100, 104, 105; *see also* public health, legislation
caciques: and censuses, 52, 82, 83, 97, 116, 117; Inca conquest of, 10; loss of authority, 126, 132; responsibilities of, 7; Spanish conquest of, 33
 Cañaris, 7, 9, 11, 13, 33

cartas cuentas de tributos, *see* tribute
 Chagas' disease, 20, 25
 charity, 40, 44, 112
 cholera, 19
chuccbú (chill), 13, 27
 Cieza de León, Pedro de, 13, 14, 15, 16, 36–7, 38
Citua, 31
 Cobo, Bernabe, 13
 conquest: Inca, 4–11, 13; Spanish, 32–5
 cost of living (Quito), 77, 79
cotos, *see* goiters

 depression: economic, 114–24
 diet and disease, 28, 45, 71
 diphtheria, 60, 61, 93, 132
 disease environment: before 1534, 19–25, 29, 31; transformation of, 31, 32, 56; seventeenth century, 58, 64, 130; eighteenth century, 108
 dysentery: sixteenth century, 60, 61, 63; in the 1690s, 93; eighteenth century, 102, 105, 107

encomiendas, 35
 endemicity of disease: before 1534, 20–5; sixteenth century, 37, 43; seventeenth century, 58, 60, 61, 87; eighteenth century, 101, 107, 112
 epidemics: breakdown of social services, 43, 45, 99; changing patterns of, 57–60; documentation on, 60; sixteenth century, 35–8, 39, 40–3, 45, 46, 49, 51, 57, 62, 71, 75, 92, 130, 131; seventeenth century, 57, 60–1, 62, 67, 78, 89–94, 132; eighteenth century, 100–7, 112, 113, 119–20, 123
 epizootic, 36n13

- Espejo, Francisco Javier Eugenio de Santa Cruz y: on diseases of eighteenth century, 103, 104, 106; on hospitals, 110, 113; on medical problems caused by alcohol, 111; writings of, 108
- esquilencia*, *see* scarlet fever
- ethnohistory: before 1534, 7–11, 130
- famine, 66, 92, 94, 102, 123
- fasting, 74
- fear: use of by Indians and Europeans, 128–9
- fertility: effects of disease on, 55–6; and family size, 52, 55, 86–7
- forasteros*: censuses of, 83, 84, 85; and conflict, 125; migration, 79, 82; reforms of Palata, 90
- garrotillo*, *see* diphtheria
- giardiasis, 20
- goiters, 62
- Guamán Poma de Ayala, Felipe: on disease before 1534, 13–14, 22–3, 27–31
- hampicoc*, 30
- healers: as leaders of resistance, 126–9
- health and illness: concepts of before 1534 (native), 25–9; controversy over, 25–6; concept of balance in, 26, 28, 29, 72–3, 74, 131; divine retribution, 73, 74; hot and cold categories in, 26, 27; humoral classification in, 25–6, 72; native concepts of, changing, 38–9, 72–6, 131; as related to politics, 133
- herpes viruses, 23, 25
- hospitals: administration of, 70, 108–9; conditions in, 109–10; as poorhouses, 113; sixteenth century, 43–5
- Huáscar, 11, 13, 22, 131
- Huayna Capac, 9, 11, 13
- Hurtado de Mendoza, Andrés (viceroy), 17
- imperialism: biological effects of, 1–3, 133
- infections: helminthic, 23; respiratory, 23–4, 39, 60, 61, 107
- influenza, 19; epidemics, 39, 40–3, 101, 103, 107; introduction of, 32; mortality, 39–40, 42, 50
- Japan disease, 103, 107
- Juan, Jorge, 102–3, 118–19, 122
- kamayuj*, 8
- labor shortages: eighteenth century, 114, 116, 117, 124, 132
- leishmaniasis, 20, 25
- lepers, 110
- leprosus*, *see* lepers
- leptospirosis, 22
- López de Velasco, Juan, 16, 46
- mal de manchas*, 104
- mal del valle*, *see* dysentery
- malaria, 63
- malnutrition, 43, 66
- marriage patterns: changes in native, 51, 53, 87, 88, 132
- Matienzo de Peralta, Juan (oidor), 18
- measles, 23, 73; introduction of, 13–14, 19, 32, 35; mortality, 18, 40, 46, 50, 57, 92, 93, 130; sixteenth century, 39, 40–3, 130, 131; seventeenth century, 57, 60, 61, 62, 71, 87, 91, 93, 98, 132; eighteenth century, 102, 104, 105, 106, 107, 123
- medical practices: European, 45, 66–72; native before 1534, 29–31; restrictions on native, 75–6, 131; survival of native, 73, 74, 124, 125, 128
- migration: sixteenth century, 56; seventeenth century, 78, 79, 82, 83, 86, 88, 131–2; eighteenth century, 100, 122, 133
- mindales*, 8
- mita*: Inca, 11; Spanish, 56, 77, 78, 79, 82, 89, 90, 116, 124
- mitimae*, 9
- Morales Figueroa, Luis de, 48–9
- mumps, 62
- natural disasters: seventeenth century, 64–6, 67; of the 1690s, 89, 91, 93, 94, 98; eighteenth century, 100, 106, 114, 123
- northern Andes: climate, 6, 8; physical geography, 5–6
- noveno*, *see* tithe
- Oroya fever, 21
- Pachacuti Inca, 8, 9, 22
- Palata, Duque de (viceroy): reforms of, 89–91
- paperas*, *see* mumps
- Peña Montenegro (bishop), 75–6, 125

Index

151

- peste de japon*, *see* Japan disease
 pharmacies, 67, 70, 105
 phlebotomy, 28–9, 45, 71, 72, 75
 physicians: demand for, 62, 67, 68, 69, 74; salaries of, 68, 69, 91
pinta, 21
 Pizarro, Francisco, 5, 32, 33, 34
 Pizarro, Gonzalo, 34–5, 36
 plague: bubonic, 14, 19; pneumonic, 38, 130
pneumonia, *see* infections
 population: estimates of, 12–18, 48–9, 79, 80–1, 114, 119, 120
 population change: and absenteeism, 82–8; before 1534, 14–15; sixteenth century, 34, 42, 46–56, 57, 130–1, 132; seventeenth century, 76–88, 95–9; eighteenth century, 100, 113–24, 133
 population data, 13, 46–9, 79–81, 95–8, 114, 120
protomedicato, 67, 68, 69
protomedico, 67, 104, 108
 public health: funding, 66–7, 68, 108–9, 112; legislation, 43–6, 62, 67, 104, 108, 110–11, 112, 113; and the poor, 69, 112–13; threats to, 64, 112, 113
 Puelles, Pedro de, 34
 Puruha, 7, 9

 Qollahuaya, 27
 quarantine, 45, 62–3, 71, 72, 92
 Quito: foundation of city, 33–4

 rebellions, *see* resistance
Relación de Zaruma, 48, 49
 relapsing fever, 22, 25
 relocation: of individuals, 51; of native communities, 50–1, 82, 132
 resistance: and memories, 76, 125, 128; and secrecy, 76, 128; survival of, 76, 132; eighteenth century, 100, 123, 125
rupa (fever), 13, 27

 Sancho Paz Ponce de León, Juan, 15, 81
 Santa Cruz Pachacuti, Juan, 13
 Santillán, Hernando de (audiencia president), 15, 17, 18, 44
sarampión, *see* measles
 scarlet fever, 105
 seasonality of disease, 27–8, 39, 63, 107

 shaman, *see* healers
 smallpox, 23, 73; increased virulence of, 35–6; introduction of, 13–14, 19, 32, 35, 55; mortality, 18, 40, 42, 46, 50, 57, 92, 93; sixteenth century, 39, 40–3, 130, 131; seventeenth century, 57, 60, 62, 63, 87, 90, 91, 93, 98, 132; eighteenth century, 102, 103, 104, 106, 107
socayac, 29
 sorcery, 76, 126–9
 syphilis: origins of, 21–2, 32; eighteenth century, 102–3, 107

tabardete, *see* typhus
tabardillo, *see* typhus
 textile industry: decline of, 94, 106, 114, 117, 118, 122, 132
 tithe, 44, 70, 109
 Toldeo, Francisco de (viceroy), 47–8
 Topa Inca, 9
 Torres y Portugal, Fernando de (viceroy), 41–2, 45, 71
 toxoplasmosis, 20
 tribute: Incas, 11; records, 80; Spanish, 52, 56, 66, 90, 92, 114, 124
 tuberculosis, *see* infections
 typhoid fever, 20
 typhus: mortality, 50, 58, 92; origins of, 20, 22–3, 25; sixteenth century, 36–8, 41; seventeenth century, 60, 61, 64, 92, 93, 132; eighteenth century, 104, 107

 Ulloa, Antonio de, 102–3, 118–19, 122
uta, *see* leishmaniasis

 Vásquez de Acuña, Juan, 46–7, 49, 79–80
 Vega, Garcilaso de la, 13, 20–1, 27, 31
verrugas, *see* bartonellosis
 Villalengua, Juan Josef de (visitor), 120
viruelas, *see* smallpox

 wheat rust, 93, 102
 witchcraft, *see* sorcery

yanaconas, 51, 83
 yaws, 21

 zoonoses, 19–20