Index

Page numbers for figure materials are in bold.

amenorrhea
diet and 36
exercise and 36
osteopenia and 36
osteoporosis and 36
anemia (iron deficiency anemia) 45, 46, 51, 59, 130, 140, 142
in adults 48, 50, 51, 52, 53, 54, 57, 58–9
causes of 46, 135, 145, 146
in children and infants 48, 50–1, 52, 53, 54, 57–8, 59, 135, 151, 156, 161
chlorosis as 50, 53
clinical studies of 47–8, 50–1, 52, 53, 54, 59
development of 46
evolutionary perspective of 53–4, 56, 58–9, see also porotic hyperostosis
history of 50, 53
milk products and 57–8
pregnancy and lactation and 51, 57, 59
skeletal manifestations of, see porotic hyperostosis
symptoms of 46–7
see also iron
calcium (Ca)
absorption, factors affecting 5, 33–4
diet and 5, 33–4, 66, 73–4
strontium (Sr) and 65, 66
child birth, see reproduction
chimpanzees, see primates
chlorosis, see anemia
cribriform hyperostosis, see porotic hyperostosis
daughter neglect 82, 133–4, 135, 136, 137, 145–6
dietary and 36
osteopenia and 36
osteoporosis and 36
childbirth, see reproduction
chimpanzees, see primates
dehoemoglobinemia, see anemia
dietary and 36
osteopenia and 36
osteoporosis and 36
desperation ecology 82
food prohibitions 66, 69, 72, 73
gender and diet 36
osteopenia and 36
osteoporosis and 36
osteoblasts 31
osteoclasts 31
bonobos, see primates
bejel, see treponematoses
conidia, see mycotic infection
bone
density (strength), diagnostic techniques 29–31, 40, 180, 181
loss, see osteopenia, osteoporosis
remodeling, processes of 36, 38
osteoblasts 31
osteoclasts 31
978-0-521-62090-1 - Sex and Gender in Paleopathological Perspective
Edited by Anne L. Grauer and Patricia Stuart-Macadam
Index
More information
diet – cont.

- pregnancy and lactation and 73
- of primates 68–9, 70–1
- status and 66
- trace elements and 65–6, 74
- zinc (Zn) in 66, 67
  - see also calcium; geophagy; malnutrition
- disease of digestive system 73
- exposure to infectious agents 79–80, 81, 82, 86, 182
- expression of, factors affecting 80
- frequency patterns of 135, 137
- in Copan population 142–4, 145, 146
- in Dunning Poorhouse Cemetery population 156, 156, 157, 158, 161
- nutritional status and 135
- recording of 139, 152
- skeletal manifestations of 135, 152, 153
- estrogen, see hormones

famine 82

- fertility, see reproduction
- fractures, see trauma

- galagos, see primates
- geophagy 66, 69, 74
- gorillas, see primates
- guenons, see primates

- health surveys (and studies)
  - of health status 120, 121, 125–6, 127, 128–9
  - of reproductive stress 121, 126, 128, 128
  - symptomatological 120, 121, 122, 127
  - of work disruption 120, 121, 122, 123, 124, 126

- hormones
  - estrogen
  - affect on bone 5, 36–8
  - parity and 37–8
  - gonadal steroids 81, 88
  - phytoestrogen 38
  - hypoferremia 54, 55, 56

- illness surveys, see health surveys
- immune reactivity (immune response)
  - autoimmune disease and 88
- exposure to infectious agents and 79, 182
- hormones and 81, 88

iron and 54, 56, 58

- malnutrition and 82
- models of 83–4, 83, 84
- pregnancy and 81, 88
- in primates 87–8
- skeletal involvement and 79, 83–4
- in women and men 3, 57, 83, 84, 84, 86, 87, 89, 94
  - see also hypoferremia

- infection 3, 46, 58, 81, 84, 85, 88, 130, 157, 161
- frequency patterns of 82
- mortality and 82, 88
- skeletal manifestations of 79, 80, 84, 86, 89, 90, 94
  - acute 94
- chronic 34, 80, 82, 86, 90, 94
  - see also periosis; specific infections (e.g., mycotic)

- interpersonal aggression, see trauma
- iron
  - absorption 46, 54, 55
  - metabolism 54–5, 56, see also anemia
  - overload 54, 56, 58
  - recording of 139, 152
  - status, factors involved in 54, 55
- iron deficiency anemia, see anemia

- lactation, see reproduction, diet
- leprosy 89, 93–4, 95, 99, 105

- longevity (life expectancy) 3, 88
- lung (pleural cavity) 96, see also pulmonary infection; respiratory disease

- maize 4, 66, 166, 168, 169, 171, 174, 175, 181
- malnutrition 32, 34, 65, 81, 82, 117, 135
- maxillary sinus 95
- maxillary sinusitis 95
- causes of 95, 105, 106–7, 108, 109
- dental disease and 95, 99, 102, 106, 109
- dentally induced 99, 102–3, 104, 105, 106, 109
- frequency patterns of 101–4, 102, 105, 106, 107, 109
- inflammatory changes in ribs and 97, 97, 99, 103–4
- recording of 99
- skeletal manifestations of 96, 96
- menopause, see osteopenia; osteoporosis
- menstrual cycles (menstruation) 37, 55, 57, 59
- mortality
  - infant 114
  - in primates 87
  - maternal 3, 81, 88, 114
- mycotic infection 80, 86, 87
- blastomycosis 80, 87
Index

orang-utans, see primates
osteoaarthritis 169
factors causing 172
frequency patterns of
  in Georgia Bight population 178–81, 180, 182
  recording of 172
  skeletal manifestations of 171–2
osteoblasts, see bone
osteoclasts, see bone
osteopenia (bone loss) 4, 5, 28, 31, 40
amenorrhea and 36
calcium (Ca) and 33
causes of 34, 35–6
diet and 5–6, 33
estrogen and, see hormones
  evolutionary perspective of 31, 39
  longevity and 5
in males 6, 37
menopause and 5
postmenopausal 37, 38, 39
pregnancy and lactation and 5, 38, 39
risk factors of 32, 35, 39
osteoporosis 4, 27, 28, 31, 40, 130
amenorrhea and 36
calcium (Ca) and 36
causes of 34, 35
diet and 33
estrogen and, see hormones
  evolutionary perspective of 4, 31, 39
  fractures of 4, 31
  longevity and 4, 5
  in males, 6, 37
  parity and 37–8
postmenopausal 37, 39
pregnancy and lactation and 38, 39
risk factors of 32, 35, 39
periodontitis 152
frequency patterns of
  in Dunning Poorhouse Cemetery
    population 156, 157–8, 159, 161
  skeletal manifestations of 154
periostitis (periostal reaction) 84, 85, 86, 151, 169
frequency patterns of 4, 86, 87
in Dunning Poorhouse Cemetery
  population 156, 157, 158, 161
in Georgia Bight population 176–7, 177, 181–2
  recording of 151–2, 172
  skeletal manifestations of 151–2, 152, 171
porotic hyperostosis (cribra orbitalia)
  evolutionary perspective of 48
frequency patterns of 137
  in Copan population 140, 141–2, 145
  in Dunning Poorhouse Cemetery
  population 156, 157, 158, 161
  recording of 139, 151
skeletal manifestations of 47–8, 47, 134–5, 151, 151
see also anemia
postmenopausal estrogen deficiency 36–7
pregnancy, see reproduction
primates
bonobos (Pan paniscus) 11, 14, 15, 16, 68
chimpanzees (Pan troglodytes troglodytes) 11, 14, 15, 16, 18, 19, 20, 21, 69
diet of 68–9, 70–1
reproduction and 68–9
galagos 69
gorillas 11, 14, 15, 16, 18, 20, 21
guenons 68–9
infant mortality in 87
injuries, see trauma
orang-utans 68
pulmonary infection 95, 96, 97
causes of 105
skeletal manifestations of 96, 97, 97
reproduction 114, 130
diet in primates and 68–9
fertility (birth rates) 73, 114, 115, 116, 117, 121, 125, 129, 130
length of reproductive life 57, 121, 127,
diet and 33
estrogen and, see hormones
  evolutionary perspective of 4, 31, 39
  fractures of 4, 31
  longevity and 4, 5
  in males, 6, 37
  parity and 37–8
postmenopausal 37, 39
pregnancy and lactation and 38, 39
risk factors of 32, 35, 39
stature 82, 135, 146
in Copan population 139, 144–5
status 3, 66, 130
in Copan population 137–9, 140
and enamel hypoplasia 142–4
and porotic hyperostosis and cribra
orbitalia 140–2
and stature 139, 144–5
diet and 66
health 115, see also health surveys
stress and, skeletal indicators of 115,
130
trace elements and 66
strontium (Sr) 65, 66, 67, see also calcium;
reproduction
syphilis, see treponematosis
trace elements 65, 66–8, 74
strontium (Sr) 65, 66, 67, 68
zinc (Zn) 66, 67, 68
trauma 11, 12, 22, 130, 152
cranial (human and primate) 11, 12,
18
fracture, frequency patterns of 17–18,
17, 21, 22
frequency patterns of 18, 20–1, 22
frequency patterns of
in Dunning Poorhouse Cemetery
population 156, 157, 159–60, 160
interpersonal aggression resulting in 12,
18, 21–2
post-cranial (human and primate) 11, 153
frequency patterns of 12, 18, 20
post-cranial fractures, frequency patterns
of (human and primate) 20, 21
long bone 14–17
multiple 14, 16, 20
parry 20, 21
in primates 11, 12, 17–20, 21, 22
bite wounds 12, 18–20, 19, 21
weapon wounds 12, 18
projectile wounds 18, 19
treponematosis 87, 89
bejel 80, 85, 87
syphilis 80, 176
yaws 80, 87, 89
tuberculosis 88, 89, 95, 96
yaws, see treponematosis
zinc (Zn) 66, 67, 68, see also diet;
reproduction