Index

Note: page numbers in *italics* refer to figures, those in **bold** refer to tables, case studies and boxes

acquired immune diseases
oral disease associations 274
*see also* HIV infection
*Actinobacillus actinomycetemcomitans* 108
*Actinomyces naeslundii* 101
Activities of Daily Living (ADL) 8, 31–2
assistance with 300
patient assessment 63
periodontal disease 111–12
acupuncture 20
acyclovir 142, **143**
adhesives, self-etching 102
advance directives 84, 213
advanced dental therapists (ADT) 286, 288
adverse drug reactions (ADR) 67, 189, **191, 271, 272**
age in place 32
agent-induced osteonecrosis of the jaw (ARONJ) 273–4
age-related macular degeneration 47, 48
aging 3–12
of America 299
continuum 299–301
ethnic diversity 3–4
policy making 299, 301–2
*see also* older adults; vulnerable elders
aging population 3–4, 171–2
airway protection 72
alcohol 21, 22
alpha-lipoic acid 138
alveolar bone loss, periodontal disease 110
Alzheimer’s disease 200–1
depression 200
inflammatory processes 11
periodontal disease 111
xerostomia 158
amalgam fillings 102
American with Disabilities Act (ADA), (1990) 44
analgesics, topical 143, 145, 148
angina with exertion 75
angular cheilitis 139, 141, 150
anorexia–cachexia syndrome 18
antibiotics
caries treatment 99
hairy tongue association 142
prophylactic 90–2, 176
anticholinergic agents
nausea and vomiting alleviation 20
xerostomia 156, **157**
anticoagulants 193, 197
antidepressants 24, 199–201
burning mouth syndrome 138
xerostomia 156, **157**
antifungal therapy 140, **141, 147, 160**
antihistamines 156, **157**
antihypertensive agents 156, **157**
antimicrobial activity of saliva 152
antipsychotics 156, **157**
antiviral drugs 142–3, 144
anxiety 158
anxiolytics 156, **157**
saphenous ulcers, recurrent 147–9
appetite stimulants 18
Asian Americans, edentulism 4–6
assisted living 33, **34, 35, 211–12**
portable dentistry 232
assisted living facilities (ALFs) 211–12
atherosclerosis 270
azole antifungals 140
bacteremia 302
bacteria, plaque 108–9, 111, 113
benign migratory glossitis 141
benzodiazepines, reversal agent 230
benzydamine 18
best interests of patient 84
bicuspide teeth 74
biofilm 8–9, 99, 109
bisphosphonates 20, 197–8, 273–4
Black Americans
edentulism 4–6
oral health disparities 6–7
blindness 195
board and care homes 33, **34, 35**
bone metastases, dehydration 20
bridge fracture 233
brushing of teeth 8, 9
buccal mucosa, leukoplakia 144–5
burning mouth syndrome 92–3, 137–8
caffeine 21, 22
calcium hydroxide 129
cognitive impairment 10–11
case study 11
prosthodontics 176–7
colchicine 148
collaboration, oral health promotion 238
communication
dental–medical collaboration 278
hearing impairment/loss 62–3
strategies for 51–2
palliative care dentistry 25
patient assessment 62–3
visual impairment 62
Community Periodontal Index of Treatment Need (CPITN)  
index 112
computer equipment, portable dentistry 227, 232
cone beam computed tomography (CBCT) imaging 71, 123–4, 127
confusion 75
congestive heart failure 75
congregate housing 33
consultation 215
form 216
successful strategies 281–3, 284, 285
continuing care retirement communities 34–5, 35
coronal structure, restoration 73
corticosteroids
systemic  
aphtous ulcers 148
hairy tongue association 142
mucous membrane pemphigoid 146
pemphigus 147
topical 146, 148
Coumadin 75, 193
cracker sign 153
cuspid teeth 74
cytokinemia 302
degenerative joint disease 54
dehydration

drug clearance impact 21
palliative care dentistry 20
screening 66
xerostomia 158
delirium 200
palliative care dentistry 21
dementia 10, 75, 200–1
caries incidence 98
depression 200
periodontal disease 111
social support 66
tooth loss association 11
xerostomia 158
denosumab 273–74
dental arch, shortened 74
dental care
access to 8, 12
costs 12
professional 12
utilization 10–11
dental caries 8
dental chart 215
dental hygiene, prophylactic 8
dental hygienists 286–8
dental procedures, medically necessary 302–3
dental professionals
dietician collaboration 280
interprofessional care 276–83
medical collaboration 276–7
nursing collaboration 279
pharmacy collaboration 279
rehabilitation collaboration 278–9
social worker collaboration 280
dental pulp 117–18
aging 124–5
changes 127
capping 130–1
dentin walls 118
healing capacity 118
histology 117
inflammation 122
inflammatory response 118
neurons 117
sensory function 120
space contracture 120
temperature sensitivity 120–1
vascular system 118, 121
vital pulp therapy 130–1
dental therapists (DT) 286, 288
dental workforce expansion 283–4, 286–8
access to care for older adults 283
case study 289
dental hygienists 286
historical perspective 286
impetus behind initiative 283–4
Minnesota strategies 286, 287, 288
US states 286–8
dentin 118–20
aging 124–5
changes 127
atubular 120
primary 118
reactionary 119
reparative 119
secondary 118–19
tertiary 119, 120, 125
dentin walls 118
dentinal tubules, exposure 122
denture(s)
abutment 74
antifungal treatment 140–1
candidiasis 176, 184
case study 172–4, 174–5, 177–9, 179–80, 308–9
complete 183–5
implant retained 78, 79
epulis fissuratum 141
fixed partial 177, 180
flexible 182
frail/functionally dependent older adults 171–86
management by caregiver 73
motivation to learn to use 184–5
neuromuscular deficits/skills of patient 185
oral problems 183–4
denture(s) (cont’d)
painful 114
partial 72
caries risk 98
fixed 177, 180
palliative care dentistry 19
retention loss 176
tolerance 72–3
treatment planning 72
ulceration risk 176
xerostomia 22, 153
zinc-containing adhesives 273
see also overdentures; prosthodontics; removable partial
dentures (RPD)
denture granuloma 141
denture stomatitis 139, 140, 150
denture-induced fibrous hyperplasia 141
dependency ratios 108
depression 199–201
cancer patients 24
dementia 200
oral disease associations 274
periodontal disease 114
xerostomia 158
desmoglein 3 autoantibodies 147
dexterity, periodontal disease 111–12
diabetes
complications 303
medications 192–3
oral disease associations 274, 302
oral health care impact 194–6
periodontal disease association 110, 303
poor oral health association 11
unstable/brittle 75
xerostomia 158
diabetic retinopathy 47, 48
diagnostic casts 70–1
diet
caries 99
periodontal disease 113–14
dietary change, tooth loss association 11
dieticians, dental–dietician collaboration 280
disability 8
living arrangements 33
patient assessment 63
prevalence 300
disease(s)
presentation in elderly 67, 68
trajectory and treatment planning 74–5
see also chronic disease; named conditions; periodontal disease;
systemic disease
diuretics, xerostomia 156, 157
Do Not Resuscitate (DNR) orders 84, 85, 213
dentists’ orders 215
dry mouth see xerostomia
due diligence of dentist 79
dyclonine hydrochloride 17
dysgeusia 25
dysphagia 19–20
assessment 72
eating
habits and xerostomia 154
joy of 72
eating disorders, xerostomia 158
Echinacea 201
edentulism 4–6, 270–1
dementia association 11
predicted rate 3
systemic disease association 270–1
trends 5
education
health professionals 305
for oral health 12
education years, edentulism association 6
electronic health records 56
emergencies, medications 190, 192
endodontic management 116–31, 132
access openings 128–9
appointments 126
case study 132
combined methods 128
conventional 125, 128
dental implants 130
diagnosis 121–4, 126–7, 132
instrumentation 128–9
irrigation regimen 129
medical history 127
nickel–titanium instruments 128–9
operating microscope use 130
periodontic considerations 131
preparation 129
radiographs 123–4
regenerative 131
retreatment 130
root canal system obturation 128, 129–30
rubber dam placement 127–8
soft tissue regeneration 131
stem cell treatments 131
surgical 128
temperature testing 121, 122, 126
tooth retention 125
tooth testing 121–2, 126
treatment methods 124–5, 127–31
treatment of aging patients 126–31
treatment planning 125, 127, 132
vital pulp therapy 130–1
epinephrine 176
epulis fissuratum 141
esophagus, obstruction 19
estrogen replacement therapy 112
ethical violations 82
ethnic groups
access to dental care 8, 12
diversity 3–4
edentulism 4–6
oral health disparities 6–8
ethylenediaminetetraacetic acid (EDTA) 129
evidence-based decision making 86–8, 89, 90–3
case study 90–3
critical appraisal of evidence 88
expanding 303
implementation 88, 90
online tutorials 87
in practice 90–3
process 87
sources of evidence 87
systematic reviews 87
extracted teeth, artificial perforations 124
eyes, age-related changes 45
face sheet 213, 214
falls 53, 63–4
   risk assessment 64
family members, oral health interventions 12
Federal Regulation 42 CFR 483 212
Federally Qualified Health Centers (FQHCs) 304
fees, portable dentistry 231
fixed partial denture (FPD) 177, 180
flossing 8, 9
fluconazole 22
flumazenil 230
fluoridation, edentulism association 6
fluoride
   caries prevention 24, 100, 159
   caries treatment 99
   delivery 100
fluoride trays 199
focal infection theory of disease 268–9
food bolus 72
food intake, saliva functions 152
functional status 8–9
   periodontal disease 111–12
fungal infections 22–3, 25
   see also Candida albicans overgrowth; candidiasis
Fusobacterium nucleatum 109

  genetic factors, caries 99–100
  geographic tongue 141
  geriatric care
     interdisciplinary 305–7
     manager agencies 32
  geriatric dentistry
     clinical decision making 307
     training 305
Get Up and Go Gait Assessment 64
ginger, nausea and vomiting alleviation 20
gingiva
   healthy 109–10
   overgrowth 110–11
   recession 110, 113
   unhealthy 110
gingival crevicular fluid 275
gingival fibroblasts 109
gingivitis 110
Ginkgo 201
glass ionomer 102
   atraumatic restorative treatment 103
glaucoma 46–7
glossitis, benign migratory 141
graft-versus-host disease 158
gutta percha 129–30
hairy tongue 142
head and neck cancer 24
   radiotherapy 155, 158, 165, 163–6, 273
   headrests, portable dentistry 228–9
health behaviours, improvement 8
health beliefs, social/cultural context 7
health information technology 305
Health Insurance Portability and Accountability Act (1996) 222
health professionals, education 305
health status, dynamic 301
healthcare
   decisions 84
   definitions 211–12
   safety net systems 304
healthcare providers, role redefinition 305
hearing aids 51
hearing impairment/loss 49, 50–2
   background noise 51
   communication 62–3
   strategies 51–2
heart transplantation 308
Helicobacter pylori 271
hemianopia 47, 49
hemianopsia 47, 49
hepatitis B surface antigen (HBsAg), salivary tests 274–5
hepatitis C virus, xerostomia 158
herbal supplements 273
herpes, cancer patients 24
   herpes simplex 142–3
   herpes zoster 143–4
high-viscosity glass ionomer 103
Hispanic Americans
   edentulism 4–6
   oral health 7
HIV infection
   salivary tests 274
   xerostomia 158
home care 32, 35
home visits 220–2
   billing 222
   house/extended care facility call 222
   preparation 220
   record keeping 222
   visiting 221–2
homeostenosis 67, 68
honey, stomatitis/mucositis treatment 18
hormone replacement therapy 112
hydrogen peroxide 142
hydroxyethylcellulose 161
hypercalcemia, dehydration 20
hypertension 195
hypoguesia 25
hypoglycemic drugs 192–3
hyposalivation 9, 166–7, 167
oral health deterioration 154
xerostomia differential diagnosis 153

...
iatrogenic illness 67
immunologic response, periodontal disease 302
immunomodulatory therapy 147
immunosuppressive therapy 147, 198
immunosuppression
herpes simplex 142
see also HIV infection
impact factor 88
implant(s) 130
periodontal disease 113
implant fixed bridge 78
implant restorations 77–9, 80
abutment function 77, 78
incapacitated patients 85
decision making 83–4
incisors, central/lateral 73
independent living 32
infective endocarditis 90–2
inflammation, chronic 11
inflammatory fibrous hyperplasia 141
inflammatory markers, periodontal disease 11
inflammatory response
dental pulp 118
periodontal disease 302
informed consent 82–4, 85
case study 84, 85
documentation 83
geriatric patients 83–4
InnovAge Greater Colorado PACE (IGCP) program 306–7
Instrumental Activities of Daily Living (IADL) 8
decline with cognitive decline 11
patient assessment 63
insulin 192–3
insurance, long-term care 36
integrated models of care 304–5
interdental cleaning 8, 9
interdisciplinary teams 268–90
case study 275, 276
dental workforce expansion 283–4, 285, 286–8
interprofessional care 276–83
oral health–overall health relationship 268–75
interleukin 18 (IL-18) 108, 109
interleukin 6 (IL-6) 108
intermediate care facility (ICF) 212
interprofessional care 276–83
case study 280
consultation strategies 281–3, 284, 285
dental–dietician collaboration 280
dental–medical collaboration 276–7
dental–nursing collaboration 279
dental–pharmacy collaboration 279
dental–rehabilitation collaboration 278–9
dental–social worker collaboration 280
geriatric 280–1
intraoral anatomy, examination 73
irritation fibroma 144

Jewish Chronic Disease Hospital, liver cancer study 82
journals 87, 89
impact factor 88, 89

Kava-kava 201
ketoconazole 22
kidney disease 195
knowledge about older adults 38–41
laboratory results 215
lactobacilli 97, 99
laser Doppler flowmetry 123
lathes 227
legislation, long-term care 239–41
lesion of endodontic origin (LEO) 123
leukoplakia 144–5
candida 139
malignancy potential 145
lichen planus 145–6
lidocaine, viscous 143
lips, venous lake 149
living arrangement for the elderly 31–6
age in place 32
assisted living 32, 33, 34, 35
board and care homes 33, 34, 35
case studies 36
congregate housing 33
continuing care retirement communities 34–5, 35
home care 35
independent living 32
long-term care insurance 36
nursing homes 35–6
retirement communities 33
local anesthesia 176
long-term care (LTC) 212
elders access to care legislation 240–1
oral care
assessment 248–52, 265
basic mouth care fact sheets 266–7
caregiver education/training 244–8, 249
caregiver support 255–7
case study 257–8
clinical care 248–52
commitment 241–4
common ground approach 242
daily mouth care 252–7
guidelines 240, 264–5
listening 241–3
resources 262–3
stakeholders 241–2
trust building 241–3
oral health
in legislation 239–40
promotion 236–58
long-term care insurance 36
lubricants, xerostomia 22
macular degeneration, age-related 47, 48
magic mouthwash 18
malignancy
leukoplakia potential 145
lichen planus potential 146
see also cancer/cancer patients
malnutrition
  edentulism association 270–1
periodontal disease 113
screening 66
masticatory function impairment 66
maxillary tooth roots 74
maximal intraoral opening, assessment 71
median rhomboid glossitis 139
Medicaid 212, 218
  funding 302, 304
  house/extended care facility call 222
  PACE model 305, 306
medical conditions 188–205
  case studies 202–3
  clinical examples 203–5
  see also medications
medical consultation 67
medical history 213
medical status assessment 67, 68
Medicare 212, 218
  dental services exclusion/exceptions 302, 303
  funding 302
  PACE model 305, 306
medications
  antisylogic 9
  caries risk 98
  compliance optimization 190
  diabetes 192–3
  emergency drugs 190, 192
  natural 201
  oral health 9
  oral side effects 271, 272
  over-the-counter 201
  periodontitis association 110
  polypharmacy 189–90
  potential risks 192–3, 197–201
  prescribing 189–90
  rates of use 9
  salivary gland hypofunction 156, 157, 158, 272–3
  systematic review of list 190, 191
  xerostomia 21, 156, 157, 158, 272–3
menopausal status, periodontal disease 112
mental status, patient assessment 64–6
Mexican Americans 6–7
miconazole 22, 23
micro-computed tomography (CT) 127
Mini Nutritional Assessment (MNA) 66
Mini-cog Assessment 65
Mini-Mental State Examination (MMSE) 65
Minnesota, dental therapist qualifications 286, 287, 288
mint sweets 22, 161
mobile carts, portable dentistry 225–6
mobility 52, 53, 54–5, 55
  Get Up and Go Gait Assessment 64
  management of issues 54–5
  management strategies 55
  reduction and nutritional changes 114
  status assessment 63–4
wheelchair 75
molars, lone standing 74
morphine, stomatitis/mucositis treatment 17–18
mouth gag 228
mouth props 228
  portable dentistry 227–8, 229
mouth rest 228
mouth rinsing 8, 9
mouth–body connection 269–70
mouthwash
  alcohol-based 21, 22
  fluoride 24
  magic 18
mucins
  artificial saliva 21, 161
  salivary 152
mucositis
  cancer treatment 198–9
  palliative care dentistry 17–18
  radiotherapy 273
mucous membrane pemphigoid 146–7
multiple sclerosis 199
mycophenolate mofetil 148
Native Americans, oral health 4–6
natural medications 201
nausea, palliative care dentistry 20
necrotic tooth 121, 122
neurodegenerative diseases 274
nickel–titanium (NiTi) instruments 128–9
Nikolsky’s sign 147
nitrous oxide analgesia 230
non-steroidal anti-inflammatory drugs (NSAIDs) 148
nurses, dental–nursing collaboration 279
nursing homes 35–6, 211–20
  beauty salon 217
  bedside consultation/treatment 217
  billing 218, 222
  case study 219
  algorithm 221
  consultation 215
  form 216
  definition 212
  dental chart 215
Medicaid/Medicare reimbursement 212, 218
medical charts 213, 214, 215
  multi-purpose room 217
on-site operatory 215, 217
patient referrals 218
population 211
portable dentistry 232
record keeping 213, 222
treatment delivery 215, 217–18
nutrition
  olfactory sense 113–14
  palliative care dentistry 18–19
periodontal disease 113–14
radiotherapy 199
status assessment 66
nutritional deficiency
  tooth loss association 11
  xerostomia 158
  see also malnutrition
nystatin 22, 23, 24, 25

occluding teeth
  number of functional pairs 71
  retention 73
occupational therapists 278
odontoblasts 117, 119–20
  sensory function 120
older adults
  access to care 283
  assistance with ADLs 300
  attitudes towards 301
  beliefs about 301
  frail 172
  functionally dependent 172
  functionally independent 171, 172–4, 174–5
  health and social policies 301–2
  health status 301
  oral health improvement in vulnerable elders 304–7
  policy making 299, 301–2
  population 299, 300
  see also aging; living arrangement for the elderly; senior-friendly office; vulnerable elders
Older Americans Act (OAA) 301
olfactory sense, nutrition status 113–14
ondansetron 20
operating microscopes 130
oral fistula 26, 26
oral health
  adverse drug reaction association 271, 272
  clinical implications 11–12
  cognitive decline risk 11
  cognitive function 10–11
  deterioration 11
  with hyposalivation 154
  disparities in older adults 6–8
  education 12
  focal infection theory of disease 268–9
  functional status 8–9
  improvement in vulnerable elders 304–7
  interventions 12
  knowledge of 8
  maintenance 11–12
  medications 9
  mouth–body connection 269–70
  oral conditions 270–5
  peptic ulcer disease association 271
  policy agenda for improvement 307, 310
  policy implications 11–12
  preventive procedures 12
  promotion in long-term care facilities 236–58
  assessment 248–52, 265
  basic mouth care fact sheets 266–7
  best practice application 239
  caregiver education/training 244–8, 249
  caregiver support 255–7
  case study 257–8
  clinical care 248–52
  collaboration 238
  commitment 241–4
  common ground approach 242
  daily mouth care 252–7
  effective use of personnel 238–9
  guidelines 264–5
  listening 241–3
  resources 262–3
  stakeholders 241–2
  standards 239–41
  strengths and challenges assessment 237–8
  trust building 241–3
  relationship with overall health 268–75
  saliva role 152
  self-reported 7
  system conditions 270–5
  trends in older adults 4–6
  xerostomia 9
oral hygiene
  aspiration pneumonia prevention 271
  caries risk 98
  cognitive impairment 11
  cueing techniques 12
  functional performance impact 8
  hairy tongue association 142
  papillary hyperplasia 147
  poor 149, 150
  aspiration pneumonia risk 303
  portable dentistry 231
  radiotherapy 199
  self-care 9, 12
oral mucosal lesions 137–49, 150
  angular cheilitis 150
  biopsy 145, 146, 147, 149
  case study 149, 150
  denture stomatitis 139, 140, 150
  epulis fissuratum 141
  geographic tongue 141
  hairy tongue 142
  herpes simplex 142–3
  herpes zoster 143–4
  irritation fibroma 144
  lichen planus 145–6
  mucous membrane pemphigoid 146–7
  papillary hyperplasia 147
  pemphigus 147
  recurrent aphthous ulcers 147–9
  ulcerations 145, 146
  recurrent aphthous ulcers 147–9
  traumatic 143, 149
  varices 149
  see also burning mouth syndrome; candidiasis
oral rehabilitation 71–5
organ donors 213
organ transplantation 199
organic acids 22
orthopedic surgery, antibiotic use 90–2
osteoarthritis 54
osteonecrosis, bisphosphonate-related 197–8, 273–4
osteoporosis
oral disease associations 274
periodontal disease 112, 113
osteoradionecrosis 199
overdentures 183
   implants as abutments 77, 79, 80
over-the-counter medications 201

pain
dental pulp inflammation 122
dental pulp neurons 117
dysphagia 19
lichen planus 145, 146
management in stomatitis/mucositis 17–18
neuropathic with herpes 24
temperature testing 126
tooth testing 121–2
palliative care dentistry 17–25, 26
candidiasis 22–3, 25
caries 19, 24
case study 25, 26
communication 25
delirium 21
dental appraisal/approach 25
dental management 26
dysphagia 19–20
nausea 20
nutrition 18–19
oral problems 18, 19
stomatitis/mucositis 17–18
taste disorders 24–5
treatment planning 25
vomiting 20
xerostomia 18, 19, 21–2
see also cancer/cancer patients
Palmore’s Facts on Aging Quiz (FAQ) 38–41
good geriatric care 40
   scores of recent dental graduates 39–40
palpation 126
papillary hyperplasia 147
Parkinson’s disease 75, 112, 158
patient assessment 61–8, 69
case study 62, 66, 67, 69
communication 62–3
disability 63
disease presentation in elderly 67, 68
medical status 67, 68
mental status 64–6
mobility status 63–4
nutritional assessment 66
physical status 63
sensory impairment 62–3
social support 66
patient information 213, 214
pemphigus 147
pentoxifylline 148
peptic ulcer disease 271
percussion 126
periapical index 127
periapical pathoses 124
periodontal disease 8, 97, 107–14
   alveolar bone loss 110
   aspiration pneumonia 113, 303
   cancer patients 111
   cognitive function 111
   dementia 111
   depression 114
dexterity factors 111–12
diet 113–14
dysphagia 19–20
functional status 111–12
gingival crevicular fluid diagnostic marker 275
identification 109–11
immunologic response 302
implants 113
inflammatory response 302
malnutrition 113
menopausal status 112
nutrition 113–14
oral health role 108–9
osteoporosis 112, 113
palliative care dentistry 19
plaque 113
prevalence 131
psychologic aspects 114
severity 131
signs 110
smoking 110
social factors 114
stress 114
systemic disease association 270
tissue senescence 109
tooth loss 113
periodontal ligament
   aging 109
   thickened 123
pelvic cavity 122
periodontal recession 122
periodontal scaling, portable dentistry 231
periodontal support 73
periodontics, endodontic management 131
periodontitis 108, 110
   aging 131
pharmacists, dental–pharmacy collaboration 279
photographs, intraoral 71
physical status, patient assessment 63
physical therapists 278–9
Physician Orders for Life-Sustaining Treatment (POLST) 84, 85
physiologic stress, tolerance 67
pilocarpine 22, 161
planning for future 299–310
plaque 99
   accumulation in salivary gland hypofunction 154–5
   bacteria 108–9
Helicobacter pylori association 271
periodontal disease 113
plaque-mediated conditions 8
plasminogen activator 109
pneumonia aspiration 271
  periodontal disease 113, 303
  ventilator-associated 271
podophyllum resin 142
polyacrylic acid 161
polypharmacy 189–90
Porphyromonas gingivalis 108, 109, 270
portable carts 225–6
portable dentistry 224–34
  backup 231
  case study 232, 233, 233
  chairs 226–7
  computer equipment 227, 232
  fees 231
  headrests 228–9
  inventory control 231
  lathes 227
  level of care 230–1
  lighting 226
  maintenance/repairs 229
  mobile carts 225, 226
  opportunities 231–2
  oral hygiene 231
  periodontal scaling 231
  prophylactic cleaning 231
  props 227–8, 229
  radiography 224, 225, 231, 232
  resources 235
  restorative care 231
  sedation 229–30
  suction units 224–5
  surgical care 231
  vans 229
  wraps 227–8, 229
post-herpetic neuralgia 144
prediabetes 303
presbycusis 51
presbyopia 45–6
preventive procedures 12
probing depth (PD) 110, 111
  age effect 131
progenitor stem cells 131
Program of All-Inclusive Care for the Elderly (PACE) 305–7
  case study 309
  progress notes 213, 215
  pro-inflammatory cytokines 108
  proprioception 73
  prostaglandin E2 (PGE2) 109
  prostheses see denture(s)
prosthodontics
  case study 172–4, 174–5, 177–9, 179–80
  decision making 172
  evaluation for rehabilitation 180
  existing dentition preservation 181
  frail/functionally dependent older adults 171–86
    treatment 176–7
  health history 175–6
  sociodemographic information 175
  systematic evaluation of dentition 180
  terminal dentition flowchart 180, 181
  treatment of older people 176–7
pulp see dental pulp
pulpal blood flow (PBF) 123
pulp–dentin complex 119
pulpitis
  diagnosis 121
  irreversible/reversible 121, 122, 123
quality of life 8
  cancer 23–4
  edentulism association 270–1
xerostomia 21
racial groups 3–4
  access to dental care 8, 12
  edentulism 4–6
  oral health disparities 6–8
radiographs 123–4
radiography, portable dentistry 224, 225, 231, 232
radiotherapy 198–9
  head and neck cancer 155, 158, 165, 165–6, 273
mucositis 273
nutrition 199
oral cavity effects 17, 273
oral hygiene 199
osteoradionecrosis 199
palliative 26
saliva production 19
xerostomia 155, 158, 176, 198, 273
rational dental care 79
reading 46
record keeping
  nursing homes 213, 222
  portable dentistry 227
rehabilitation
  dental–rehabilitation collaboration 278–9
  oral 71–5
removable partial dentures (RPD) 177, 179, 180–2
resin, composite 102
resin removable prosthesis (RPD) 177, 179, 180–2
resin-modified glass ionomer restorative materials (RMGI) 73, 102
respiratory disease, poor oral health association 302
restorative care, portable dentistry 231
retirement communities 33
rheumatoid arthritis 158, 199
root canal
  anatomy changes 124
  procedures 124–5
  therapy 118
root canal space
  aging 119, 119, 120
  obliteration 127
root canal system
  calcification 128
  obturation 128
  sterilization 129
rubber dam placement 127–8
Index

saliva 9
caries protection 100
diagnostic tests 274–5
flow
  rate with aging 156
  stimulation 161
functions 21, 152
mucins 152
production
  inadequate in palliative care 19
  radiotherapy effects 19
  stimulation of production 22
systemic stimulants 161
saliva substitutes 21, 161, 162, 163, 176
salivary gland(s)
  aging effects 156
  palpation 154
salivary gland hypofunction 21–2
aspiration pneumonia risk 303
candidiasis 155, 159, 160, 161
caries prevention 159, 160, 161
concurrent with burning mouth syndrome 137
differential diagnosis 153, 154
etiology 156, 157, 158
interventions to stimulate salivary flow 161
medication use 156, 157, 158, 272–3
plaque accumulation 154–5
prevalence 155–6
treatment 158–9, 160, 161, 162, 163
xerostomia
  association 152, 154
differential diagnosis 153
sarcoidosis 154, 158
scopolamine 20
sedation, portable dentistry 229–30
senior-friendly office 43–57
case study 43–4, 56
electronic health records 56
mobility 52, 53, 53, 54–5, 55, 64
sensory impairments 44–7, 48, 49, 50, 50–2
signage 50, 51
standards 44
strategies 50
visual contrast 51
waiting room 54–5
sensory impairments 44–7, 48, 49, 50, 50–2
patient assessment 62–3
serotonin receptor antagonists 20
shingles 143–4
shortened dental arch 74
silver amalgam fillings 102
silver diamine fluoride 99, 101
Sjögren’s syndrome
  salivary tests 274
xerostomia 154, 155, 158, 176
skilled nursing facility (SNF) 212
smoking
  edentulism association 6
  education about 12
  hairy tongue association 142
  periodontal disease 110
  poor oral health association 11
  xerostomia 158
social factors 3–4
  periodontal disease 114
Social Security Act (1935) 301
social support assessment 66
social workers, dental–social worker collaboration 280
socioeconomic status 7, 10
sodium hypochlorite 129
sorbitol 99
speech, saliva role 152
speech–language pathologists 278, 279
Staphylococcus aureus, salivary levels 303
stem cell treatments 131
stimulated whole saliva (SWS) 153
stomatitis
  aphthous 147–9
  palliative care dentistry 17–18
Streptococcus mutans 97, 99
  chlorhexidine mouthwash 159
  silver diamine fluoride use 101
Streptococcus sobrinus 97
stress, periodontal disease 114
stroke 195
  periodontal disease association 270
  risk 303
  xerostomia 158
substance abuse, depression 199–200
sucralfate suspension 18
suction units, portable dentistry 224–5
surgical care, portable dentistry 231
surrogate decision-makers 84
swallowing
  assessment 72
  dry foods 153
systematic reviews 87
screening questions 88
systemic disease
  oral disease associations 270–5
  periodontal disease association 270
  periodontitis 110
  xerostomia 158
systemic inflammatory response, periodontal disease 11
systemic lupus erythematosus (SLE) 199
tardive dyskinesia 20
telehealth 305
temperature testing 121, 122, 126
temporomandibular joint (TMJ) assessment 71
terminal dentition flowchart 180, 181
thalidomide 148
tissue donors 213
tongue
  caviar 149
  geographic 141
  hairy 142
  leukoplakia 144–5
  xerostomia 154, 155
tongue depressors 228
tooth cleaning, prophylactic in portable dentistry 231
tooth decay see caries
tooth loss 270–1
tooth preservation, treatment planning 73–4
tooth retention, improvement 6
Tooth Sloth 126
tooth testing 121–2, 126
temperature 121, 122
topical anesthetic agents 17–18
training, geriatric dentistry 305
traumatic ulceration 143, 149
treatment planning 70–80
case study 72
dental issues and approaches 76
dental success 76
diagnostic studies 70–1
disease trajectory 74–5
global issues and approaches 75
goals 76, 76–7, 79–80
implant restorations 77–9, 80
issues and approaches 75–6
oral function 71–5
patient success 76
shortened dental arch 74
teeth preservation 73–4
tumour necrosis factor (TNF) 108
Tuskegee Syphilis Experiment 82
ulceration

dentures 176
oral mucosal lesions 143, 145, 146, 147–9
recurrent aphthous ulcers 147–9
traumatic 143, 149
unstimulated whole saliva (UWS) 153
valacyclovir 142, 143
vans, portable dentistry 229
varicella virus reactivation 143
varices, oral mucosal 149
venous lake 149
viral infections, xerostomia 154
vision 45
visual field cut 47, 49
visual impairment 45–7, 48, 49
communication 62
vital pulp therapy 130–1
vomiting, palliative care dentistry 20
vulnerable elders 301
case studies 308–9
dentures for frail/functionally dependent older adults
171–86
healthcare needs 299
oral health improvement 304
policy agenda 307, 310
oral healthcare promotion 236, 241
social support 66
warfarin see Coumadin
wheelchair
access 54
mobility 75
transfer 52, 53
White Americans, edentulism 4–6
Wickham’s striae 145
wraps, portable dentistry 227–8, 229
xanthan gum 161
xerostomia 9, 152–68
aging 156
candidiasis 159, 160, 161
caries 154, 155, 164
prevention 159, 160, 161
case study 9, 163, 164, 165, 165–6, 166–7, 167
chemotherapy 176, 198
for head and neck cancer 155, 158, 165, 165–6
recommendations to patients 163
Sjögren’s syndrome 154, 155, 158, 176
symptoms 153
treatment 158–9, 160, 161, 162, 163
X-ray units, portable dentistry 224, 225, 232
xylitol 99, 161
xylocaine 17
zinc deficiency, taste disorders 25
zinc-containing denture adhesives 273