

INDEX

A

- abrasion: 'air', 63, 64; exclusion of benefit for, 126, 167
- abrasive: damage, 28; diet, 120; opposing-tooth, 66; porcelain, 65; qualities, 125; toothbrush, 28; toothpaste, 91, 104
- absorption, nutritional, 10, 11, 74, 154
- abutment, tooth, 71
- Academy for Sports Dentistry, 85
- Academy of General Dentistry (AGD), 9, 28, 83, 107, 109, 141, 146, 150, 151
- Academy of General Dentistry, Fluoride Fact Sheet, 109
- Academy of Oral Medicine and Toxicology, 108
- access to care, 14, 79, 142, 152, 174, 178; control, 175; expansion, 184; funding, 185, 186; human right, 171; improvement, 166; inadequacies, 107; limited, 151; problematic, 169
- accountability: ethical, 184; for treatment decisions, 184; legal, 164, 184; of organizational systems, 184
- acidic, 19, 20, 23, 46, 81, 86, 122
- actinomyces, 14
- actuarial assumptions, 179
- acupuncture, 136
- ADA bashing, 151
- adequate care, cost of, 170
- advanced extraction therapy, 70, 135
- African Americans, 156, 166
- against-medical-advice, 145
- age group, 85+ year-old, 165
- air-driven dental drill, 63
- aloe vera, 31, 39
- alternate benefit provision, 167
- Alzheimer's disease, 9, 79
- amalgam: 'silver', 106; abandonment of, 107; banned, 106; fact-sheet, 107; filling, 64, 91, 106-108; litigation, 107; oxidation, 91; removal protocol, 108; replacement, 107, 108
- America's health-insurance industry, 173
- American Academy of Sleep Medicine, 103
- American children, uninsured, 172
- American Dental Association (ADA), 53, 112, 149
- American Dental Hygienists Association, 43
- American Heart Association, 7, 12, 62
- American Medical Association study, 174
- American Obesity Association, 154
- Americans: ages 20 to 74, 153; ages 55 to 64, 173; insured, 174; older, 170; overweight, 153; in poverty, 166; underinsured, 178; uninsured, 172, 175, 178, 187; with diabetes, 155, 156; without dental insurance, 165; working-age, 172
- amoxicillin antibiotic, 99, 115, 116
- amygdala, human, 132
- anaerobic bacteria, 45, 46
- anatomy, tooth, 25, 36, 67, 89, 119
- anesthesia: general, 132; local, 67, 69, 77, 132
- aneurysm, carotid, 62
- animal-meat product, 161
- animal-protein: production legislation, 161; reduction of consumption, 160; utilization legislation, 161
- animal-stock, legislation of, 161
- annual-term balance sheets, 180
- anorexia nervosa, 86, 87
- anterior tooth, 87, 124
- anthropologists, 7
- antibacterial: gum care, 31; reduced capability, 52; use, 40
- antibiotic: broad-spectrum, 31, 40, 115, 116; effective, 115; level, 40; premedication, 13; resistance, 40, 41, 115, 116; side effects, 116; site-specific, 40; use, 38, 40, 43, 77, 97, 99, 115-117
- antibody-isotope (SigA), 52
- anticariogenic, 22, 23
- anti-fluoridation, 111, 113
- anti-inflammatory: medication, 136; use, 40
- antiseptic use, 40
- antiviral medication, 44
- Any Willing Provider, 178
- Apollonia, Saint, 129
- arbitration, independent, 183
- arch expansion, 87, 123
- ARG laser, 96
- arteriosclerosis, 9, 42
- Asian, 47
- Asian-Pacific Americans, 166
- aspirin: 81 mg daily, 13; intraoral use, 85; low-dose, 62
- assigned benefit, 181
- atraumatic, 70
- attrition, 119, 120, 123, 124, 125; exclusion of benefit for, 126, 167

LONGEVITY LOGIC

Australia, 163

avulsed tooth, 85

azithromycin antibiotic, 115, 116

B

baby boomers, 151; with health insurance, 171

baby-teeth, eruption sequence for, 84

bacteria: buildup, 5; evolution, 115, 117; inflammatory components, 13; oral, 18, 28, 52, 98; reproduction, 18, 19, 20, 46, 109

bacteriostatic, 116

bad breath, 36, 45, 46, 48; chronic, 156

baking soda: concentration, 97; in combination, 97; in toothpaste, 31; periodontal benefits from, 97; slurry, 97

barbiturate drug, 131

bariatric, 154

Barret's esophagus, 11

basic health services, more widespread, 185

Bass Method, brushing, 27

BBC News report, 174

beef, 117, 160

behavioral factors, harmful, 126

Belgium, 163

benefit: assigned, 181; delay of, 180; denial of, 180, 181; determination, 180; direct reimbursement of, 181; dispute over, 176; exclusion authorization, 169; exclusion oversight, 169; reduction of, 180; yearly maximum, 179, 180

benefits determination: legal precedent for, 180; litigation over, 180

Bhagavad-Gita, 129

bicuspid tooth, 124

Big-Gulp, 160

Bills of Mortality death list, 17

bisphosphonates, 100

biopsy, surgical, 56, 57

bio-terrorism, 94

bite: height, 122, 124; limited adjustment, 123; strength, 121

biteplane, dental, 124

blood: level bacteria, 98; oxygen saturation, 101, 102; pressure, 9, 62, 102, 156, 161, 173; pumping, 102; vessel blockage, 12

blood sugar: control, 43; level, 43

bonding, composite, 63, 64, 65, 86, 89, 92, 106, 108, 125

bone: adult, 87; change to, 41; cutting, 95; infant, 87; mineral density (BMD), 14, 52, 100; recontouring, 41, 77, 78; substitutes, 41, 78

bone loss: excessive, 77; from extraction, 69, 70; from smoking, 51; increased, 12, 51, 100; irregular, 77; natural, 77; restoration, 41

bone-density screening, 14

Brazil, 154, 163

breastfeeding, 82, 83

breathing disorders, risk of, 14

bridge: fixed, 71; tooth, 71, 72, 126

bronchitis, 51; chronic, 13

brushing, '45 degrees angle', 27; duration of, 28; frequency of, 28; proper technique, 27

bruxism: 38, 102, 119-125; appliance, 123; exclusion of benefit, 126; stress generated, 120

bulimia nervosa, 86, 87, 122

bulimics: dental treatment for, 86; psychological treatment for, 86

burn, chemical, 85

Bush, President George W, 141, 171

Bush-administration proposal, 178

C

caffeine, 103, 120, 121, 126

calcium: -rich foods; supplements, 14

calcium-sulfate, 41

calculus, 31, 35-38, 41, 80; formation, 37; -free teeth, 37; inhibition, 31

caloric: deprivation, 159; healthy intake, 160; labeling, 162; total intake, 159

Canada, 121, 162

cancer, 9, 13, 53, 55, 56, 57, 100, 101, 111, 113; breast, 100, 101; cell recognition, 159; combating, 159; death from, 14, 56, 112, 161; decrease, 159; diagnosis, 56; drug, 154; early detection, 56; endometrial, 100; esophageal, 11; gastric, 11; laryngeal, 51; lung, 51, 54, 100, 173; occurrence of, 56; oral, 48, 51, 54-57; oral complications, 55; oral screening, 56, 57, 144; pancreatic, 12; prevention, 55; reduction of, 55, 159; risk of, 51, 112, 160, 161; treatment, 55

canine tooth, 124

cap restoration, 66, 92

capitation, 179; arrangements, 177

carbohydrate, 8, 11, 18-22, 158; carb-conscious, 162; carbfit, 162; complex, 160; effective carbs, 162; fermentable, 18; intake, 157; low-carb lifestyle, 162; net, 162; simple, 11, 19, 158

carbamide peroxide, 91

cardiopulmonary resuscitation, 144

cardiovascular disease: death from, 14; increased risk, 12; leading cause of death, 12; risk of, 13, 42, 43, 52, 159-162

caries, 20, 23, 24, 82, 110; childhood, 81, 82; disparity, 166; prevention, 110, 111, 112; rampant, 32; root, 47
 Caries Assessment Tool, 83
 cariogenic, 20-23, 81
 carotene, 10
 carotid artery obstruction, 62
 casts, plaster, 90
 catastrophic- and emergency-service, reduction of, 185
 CDT, Codes for Dental Treatment, 168
 CEJ, 25, 133
 cementoamel junction, 133
 centenarian, 78
 Centers for Disease Control (CDC), 13, 53, 54, 55, 94, 144
 cerebral cortex, 131
 cetylpyridium chloride, 40
 checkup, 59; periodic, 4, 32, 33, 110
 chemical burn, 85
 chemotherapy, 55
 Children's Oral Health Improvement Act of 2007, 170
 China, 155; ancient, 30
 Chile, 154
 chipping, tooth, 122, 124
 chlorhexidine, 40
 chloride solution, well-diluted, 28
 chlorinated water, 122
 chlorine dioxide, 46
 cholesterol, 10; bad, 11; good (HDL), 11, 12; high levels of, 12; levels, 12, 13, 159; lower, 156; monitoring, 62; ratio, 11; reduction of, 161; serum, 161
 Christie, Agatha, 119
 chromium-cobalt, 72
 chronic sleep fragmentation, 103
 Chuang Tzu, 59
 Circulation journal, 62
 clasp, 72
 class-action law suit, dental insurance, 149
 clean-mouth, 37
 clenching: suppression of, 123; teeth, 119, 120, 121
 clindamycin antibiotic, 115
 clip-bar overdenture, 73
 CNN News, 5
 CO2 laser, 95
 coarse diet, 119
 Codes for Dental Treatment (CDT), 168
 coding limitation, 179
 cold sore, 39, 44
 community, 1, 8, 109, 111, 113; health, 112
 community service, tax incentive for, 154
 compensation, retroactive, 182
 composite: filling, 63, 64, 65, 86, 89, 92, 106, 108, 125; 'processed', 106
 comprehensive insurance, 184
 conflict-of-interest, 141
 congestive heart failure, 102
 consultants: insurance, 177; professional, 180, 181
 consumer, conscientious, 162, 191
 continuing education, dental, 150
 contract language: ambiguous, 179; exclusion, 166; interpretation, 180; misleading, 179; unintelligible, 179
 corn syrup, 18, high-fructose, 160
 coronary, 162 (see: cardiovascular & heart disease)
 corporate: fast-food companies, 158; market share, 181; quarterly fitness, 182; three-year perspective, 182; year-to-year success, 181
 cortex, 131; and neo-cortex, 132
 cosmetic treatment, 89, 92, 123; exclusion of benefit for, 126
 cosmetic treatment/benefit scale, 92
 cost, thirty-year lag for, 153
 cost-of-doing-business, regional, 168
 cost-reducing results, longer-term, 181
 cost-savings: from prevention, 168; strategy, 167
 cost-shifting to patients, 177
 Council for Clinical Affairs, 83
 C-reactive protein, 13, 42
 credentialing, 151
 cross-arch-stabilization, 125
 crossbite, 90
 crown: build-up, 69; porcelain, 66, 92; porcelain fused to metal (PFM), 66, 71; surgical lengthening, 76, 77
 Cuban Americans, 35
 cultural traditions of comity, 186
 curative philosophy, 10
 curettage, 38
 cuspid guidance, 124, 125; occlusal, 124; optimal, 124
 cuspid tooth, 124
 custom-tray, 91

D
 dairy, 44, 158, 191, products, 22; fortified, 14
 death: cardiovascular, 12; cause of, 13, 17, 100, 153, 161; cell, 133; from cancer, 11, 55;

LONGEVITY LOGIC

- from smoking, 51; from starvation, 160; leading cause of, 12, 153; rate of, 79; suicide, 87
- death rate: annual, 172; decrease of, 159
- debridement, surgical, 38, 40, 41, 97
- decalcification, enamel, 18
- decay, 17, 19, 21, 23, 33, 45, 47, 63, 64, 66, 67, 68, 81, 104, 107, 140; adult, 17; baby-bottle, 81; cause of, 24, 82; causing bacteria, 19, 22, 23, 97; child, 17, 52, 81-84; contagious, 165; definition, 20; diagnosis, 60, 61, 94; disparity, 166; effects, 114; extensive, 66, 69; factor, 19; in China, 17; increase, 18, 20, 21, 32; initial, 64, 110; prevention, 17, 22, 23, 24, 29, 31, 64, 99, 109, 110, 111, 113, 144; process, 18, 19, 20; reduction of, 29, 30, 96, 97, 109, 114, 166; removal, 63, 64, 68, 135; reversal, 32; risk of, 84; science, 19; spending, 10; untreated, 166; vulnerability, 20; widespread, 32
- defibrillator, automated, 144
- DEJ, 133
- Denmark, 162, 163
- demineralization, 20, 21
- Democratic-party proposal, 178
- dental: alternative treatments, 145; anxiety-relief., 129; comprehensive exam, 144; disease, 17, 140, 165; emergency, 143; fee, 2, 139, 149; fiber-optic, 144; first visit, 137; infection, 17; laboratory, 147; office, 144; periodic visit, 165; phobia, 135, 136, 137; preconception, 137; prevention, 143; quality, 141; radiograph, 60; referral, 143; sealant, 166; services, 165; specialist, 146; therapist, 142; trust, 139, 141-143; uninsured, 165
- dental assistant, 152
- dental bone: excessive loss of, 77; increased loss of, 12, 51, 100; irregular loss of, 77; loss from extraction, 69, 70; loss from smoking, 51; natural loss of, 77; restoration, 41
- dental care, 140; child, 165; cost, 10, 172; cutbacks, 170; delivery, 144; elderly, 170; excellence in, 147; national standardization, 151; public awareness campaign, 169; saving, 185
- dental continuing-education, 150
- dental cycle: pain-filled, 137; pain-free, 137; self-perpetuating, 137
- dental disease, 17, 18, 21, 23, 29, 32, 42; child, 166; in general population, 170; pattern, 170; prevention, 170; treatment, 170
- dental fear, cycle of, 83
- dental general-practice residency, 142
- dental graduates, current drops in, 185
- dental health, 21, 23, 82, 119, 126
- Dental Health Provider Act, Senate, 186
- dental hygienists: see hygienists,
- dental insurance, 149, 150; class-action law suit, 149; employer-based, 166; exclusion of benefit, 126; semi-self managed, 181
- dental laboratory, 64, 65, 66, 90, 106, 148; choice of, 148; experience with, 148; in-office, 144; outsourced, 147; remakes from, 148
- dental laser, 95, 96
- dental license: national standardization of, 151; state restrictions on, 151
- dental licensure, 142, 150; by credentials, 151
- dental office: prospective, 146; staff, 148
- dental school, statistics, 169
- dental structures, anatomical uniqueness of, 132
- dental therapists, 142, 152
- dental treatment, expense of, 4
- dental x-ray, in bone-tissue evaluation, 14
- dental-health crisis, 5
- dental-maintenance organizations., 181
- DentalPatch™, 135
- dentin, 104, 105; inner, 132; inner nerve endings, 133; osmotic, 133; tubules, 133
- dentinoenamel junction, 133
- dentist: consulting, 140; co-payment, 176; general, 145; good, 143; impartial, 169
- dentistry: field of, 4; organized, 149, 150
- Dentistry Today, 129, 147, 167
- dentists, serious shortage of, 170
- denture: full, 73, 75; material, 74; partial, 72
- denturists, 142, 152
- depression, 161
- diabetes, 9, 51, 155, 156, 159 173; annual cases, 42; cause of, 42; complications, 42; controlled, 43; decreased by half, 159; dental problems, 156; greater in minorities, 156; greater in women, 156; increased insulin resistance, 43; linked to, 42, 51; increasing numbers, 155; oral signs, 156; periodontal disease, 42; reduction in elderly, 156; treatment of, 156; type 2, 8; uncontrolled, 43, 116; undiagnosed, 43, 156
- diagnosis, final word on, 180
- diet: abrasive, 120; agricultural, 7; Atkins, 160; boot camps, 153; drugs, 153; famine, 162; healthy, 191; hunter-gatherer, 7; hunter-gatherer, 8; intermittent, 7; modified Mediterranean, 160; near-starvation, 159; Nevins, 160; Nutritional Common Sense Diet+™, 160, 162; nutritionally based, 154, 191; Ornish, 160
- diets, competing, 160
- digestion process, 10

digital imaging, 61, 62
disease, fastest growing, 153
disease-management, 177, 179
disinfectant solution, 28
disinfection, chemical, 144
disparity: ethnic, 166; health-care, 169; oral care, 166; oral health, 165; socioeconomic, 162,
dispute resolution, 169
doctor profiling, 177
donor site, 77
D-tagatose, 22
dogs, caloric deprivation, 159; xylitol harm, 97
dueling hunger hormones, 164
duplex ultrasound, 62

E

early childhood caries, 81, 83
early detection, 33, 57
Earth Save, 160
echinacea, 39
ecologically inefficient, 160
economic: current disparities, 186; stratification of care, 186
edentulous, 73
Edwards, John, 179
egg, 7
Egyptians, ancient, 8, 64, 74 119; Egypt, 7
elderly, 14, 78-81, 120, 122; available dental care, 170; danger to, 169; dementia, 153; dental treatment, 122; diabetes, 156; disease and death, 186; emergency dental coverage, 185; fixed-income population, 186; halitosis, 45-48; health-care, 78, 79; health-care disaster, 187; more basic dental care, 185; nutrition, 80, 81; oral health, 79; oral health care, 78, 79, 149, 165, 185; oral hygiene, 80, 81; parents, 80; patients, 79, 81; periodontitis, 36; population, 120, 170; retiring, 171; sealant use, 166; socially sequestered, 79; topical fluoride for, 170; widowed, 80
electric dental drill, 63
electron microscope studies, 132
electrosurgery, 96
emotional memory, 132
emphysema, 13, 51
employers tax incentives, 178
empowerment: patient, 1, 4; political, 2; principle of, 1
enamel, 20, 65; breakdown, 20, 23, 86; erosion, 119; loss, 86, 104, 105, 119, 120, 122, 124, 125; mottling, 111; recalcification, 29; remineralization, 109, 110; structure, 31; undermined, 63; wear, 65, 120

end-of-life care, 186
end-user/patient, payment, 178
England, 30, 154, 163
Environmental Defense group, 117
Environmental Protection Agency, 109, 113
environmental sensibility, 160
ephedra drug, 154
Epictetus, 153
erosion, dental, 110, 121, 122, 123, 125
eruption chart for children, 84
Er-YAG laser, 95
erythromycin antibiotic, 115
esophagitis, chronic, 11
essential oils, 38
estrogen, 98, 100
ethical accountability, 184
ethnic and racial health-care disparity, 169
ethnic, disparity, 166
European Union, food regulation, 163
evidenced-based data, international, 104
evolution, crisis-oriented, 1, 10
evolution, human, 119
exam, recall, 59
examination: oral, 33, 59, 60, 61, 144; periodic, 59
exclusion language, 177; simplified, 179
exclusion of benefit: limitation, 167, 168
exclusion of insurance benefit: contract-language, 166; for abrasion, 126, 167; for attrition, 126; for bruxism, 126; for cosmetic treatment, 126; hidden harm from, 179; questionable, 181; retreatment limitation, 167, 168
exercise, moderate, 159
expanded duties dental personnel, 142, 152
expectations, failed and misunderstood, 184; great 94; realistic, 1, 91, 92; sensible, 74
extraction, 69, 70, 74, 75; 'advanced' therapy for, 70, 135; dental, 17; Ögram system of, 70; partial-root, 85; third molars, 104; wisdom tooth, 104
eye-teeth, 124

F

facial: 'height', 122; beauty, 123; nerve-receptors, 133; surgery, 123; symmetry, 125
familial institutions, effectual, 186
fast-food industry, 158
fat: retention, 9; saturated, 162; tax, 163; trans, 161, 162
fatty acids, 10, trans-, 162
fatty food, tax, 163

LONGEVITY LOGIC

- fear: dental, 129, 130, 135, 137; number one, 129; of unknown, 130
- federal or state funds, limitations to, 184
- fee for service, 3
- fever blister, 44
- Feynman, Richard, 45
- fiber-optic dental drill, 144
- fiduciary, 180
- filling: amalgam, 106, 107, 108; best, 108; composite, 65, 89; gold, 106; material, 66; metal, 60; non-mercury, 107; porcelain, 106
- filtration, 95, 144
- Finland, 114, 155
- first dental visit, 83
- fish: 7, 44, 160, 161, 191
- flexible spending accounts, 178
- floss, waxed or unwaxed, 29
- flossing, 24, 27, 29, 36, 37, 47, 97, 98, 110
- FluoriCheck, 114
- fluoridation: mortality, 112; water, 109-114, 120
- fluoride, 21, 23, 32, 83, 105, 109-114; 1 ppm level, 112; and soluble calcium, 32; bacterial plaque reduction, 31; banned, 114; child risk, 111; civil rights footing, 114; conflicting evidence, 112; controversy, 114; excess ingestion, 83; -free toothpaste, 83; in bottled water, 114; inappropriate use, 112; ingestion, 109, 111-114; ions, 31; level, 113; litigation, 113; parts-per-million, 110, 113; recommendation, 32; regulation, 109; -related death, 114; risk from, 112; sealant, 84; supplements, 112; systemic, 110; toothpaste, 31, 112; topical, 84, 91, 110, 114; toxicity, 112; use, 31
- fluoride-in-water, analyses of, 114
- fluorosis, dental, 109, 111, 112
- food, 191; abundant, 8; advertising, 163; consumption, 161, 164; cooked, 7, 191; corporate giants, 163, 164; corporate producers, 158; fiber and carotenes, 11; intake frequency, 19; labeling, 158, 191; labeling guidelines, 162; low-carb, 162; low-fat, 162; modern, industrialized, 120; nutritional content, 17, 191; organic, 8, 9, 191; processor, 74, 80; raw, 11, 191; scarce, 8; stamps, 157; tax incentives, 163; unprocessed, 8
- Food and Drug Administration, 44, 63, 107, 162
- Food Guide Pyramid, USDA, 157
- Fortune Small Business magazine, 178
- fossil fuel used, 160
- fracture, bone, 52, 82, 100
- free-radicals, 159
- fructose, 18, as HFCS, 160
- Functional Occlusal Vertical Dimension™, 121, 125, 126, 127, 167
- Fuzzy Brush, 30
- ## G
- gastroesophageal reflux disease (GERD), 11, 122
- general anesthesia, 131, 132
- general dental practice, 186
- general dentist, 5, 39, 40, 105, 124, 125, 127, 145, 146
- General Dentistry, 105, 175
- general health, 10, 69, 114, 119, 126, 146, 165, 189; care, 166; chronic risk, 170; demographic trend, 170; improvement, 181, 185; links, 5, 9, 15; long-term, 3; modification, 8; of future generations, 187; optimum, 4, 191; patient, 75; proactive, 191; risk to, 40, 42, 108; status, 81
- general public, 106, 113, 122
- genetic, 8, 12, 24, 41, 76; adaptation, 8; disease-predisposition-risks, 164; engineering, 117; heart condition, 13; research, 164
- genetics, human, 8
- Geriatric Dentistry as a specialty, 170
- geriatric drugs, 81
- Germ Terminator™, 29
- Germany, 52, 114
- ghrelin hormone, 164
- Gibran, Kahlil, 51
- gingival sulcus, 27, 28, 36, 76
- gingivitis, 35, 37, 43, 102
- gingivoplasty, 76
- Give Kids a Smile, 170
- GK101, 63, 64
- glial cells, 131
- globesity, 155
- glucose, 8, 18; level, 156
- glycemic control, 43
- gold filling, 64
- governmental: food restrictions, 161; food taxation, 161; vigilance, 187
- Graduate Medical Education Council, 185
- graft: bone, 41, 78; gingiva/gum, 41, 77
- grain, producers, 157
- Gram-negative bacteria, 116
- Gram-positive bacteria, 115
- granulation tissue, 77
- Greece, 31
- Greek, 10, 89, 153, 164, 165
- grievance protocol, 181
- grinding, tooth, 38, 105, 119, 120, 121

gross domestic product (GDP), 2, 3, 172, 193
 group function, dental, 119, 124, 125
 guided tissue regeneration, 41
 gum: bleeding, 36, 37, 98; graft, 77; pocketing, 36; recession, 76, 77; surgery, 96; unhealthy, 30
 gum disease, 23, 33, 36, 38, 39, 74;
 cardiovascular risk, 12; prenatal risk, 98;
 prevention, 17, 23; progression, 12
 gum-tissue, inflamed, 41
 gutta-percha, 68

H

halitosis, 45, 47, 48; chronic, 45
 hamburger, 160
 Hamilton, Alexander, 171
 handpiece: air-driven, 63; electric, 63; fiber-optic, 144
 Harvard researchers, 10, 11
 headache, migraine, 121
 health: advice, 160; education, 151, 154;
 improvement, 161; literacy, 162; reimbursement
 arrangements, 178; savings accounts, 179
 health education, 5; disregard of, 179
 health insurance: baby boomers with, 171;
 benefits, 1; cost, 172; coverage reduction,
 172; industry-profitability, 175; manipulative
 practices, 176; premium increase, 172; tax
 incentives, 178
 health insurer profit, 173
 health plan: executives, 180, more restrictive, 175
 healthcare: access, 169, 171, 174, 178, 179,
 184; average level of mediocrity in, 184;
 avoidance of, 129; boutique-practice, 175;
 catastrophic expenses, 178; complex forces,
 186; consumer, 5; cost, 10, 9, 155, 172,
 173, 183; crisis, 163, 174, 186; delivery,
 151, 171, 172, 175, 182, 184; dentally
 inclusive, 184; disparity, 169; education, 14;
 elderly, 78, 79; English, 173; evaluation, 2;
 excellence, 174; for all citizens, 172; general,
 166; inclusive, 186; insurance, 170, 171;
 luxury care, 175; markets, 179; minority
 access, 169; national, 185; net-uninsured, 178;
 not 'universal', 178; personnel, 135; preventive,
 178; professional, 5; provider, 170, 176;
 provider competition, 184; provider income,
 173, 177; public programs, 185; quality, 10;
 'reform package', 179; rising cost, 172;
 saving, 185; shopping, 59; socioeconomics, 2,
 175; sub-par, 158; 'universal', 150, 178, 186;
 value, 108
 healthcare system: government involvement, 182;
 improvement, 186; self-improvement, 182
 Healthier US initiative, 158

health-plans, compare, 180
 Healthy People 2010, 166
 heart: damage, 13; genetic condition, 13;
 subacute bacterial endocarditis, 13; surgery, 13
 heart attack, 13, 42, 51, 62, 63, 102, 155,
 173
 heart attack, risk for, 62
 heart disease, 12, 42, 43, 52, 112; 159-162
 Hemingway, Ernest, 149
 Heraclitus of Ephesus, 1, 89
 herbal: medicines, 38; treatment, 39
 herpes simplex, 44
 hexetidine, 40
 hippocampus, 132
 Hippocrates, 31, 165
 Hispanic Americans, 35. 156, 166
 HMO, litigation, 183
 Hobson's choice, 171
 holistic medicine, 10, 38, 40, 67, 68, 125, 145
 Holland, 114
 home care, 4, 33, 41
 hourly-based fee, 3
 human: anatomy, 119; basic right, 171;
 discomfort, 10; evolution, 119; longevity, 6, 7,
 79, 162 187, 191; suffering, 187
 human cost, thirty-year lag of, 153
 Human Nutrition Research Center on Aging, 164
 hunger reflex, 10, 189; control of, 161, 191
 hunger, nutritional, 10
 hunter-gatherer diet, 7, 8
 hydrogen peroxide, 91; benefit, 97
 hydroxyapatite, 74
 Hygiene Hypothesis, 41
 hygienists, dental, 37, 43, 142, 152
 hypersensitivity, 104
 hypertension, 9, 42
 hypnotherapy, 123, 136
 hypoapnea, 101
 hypothalamus, 131

I

Ireland, 163
 Implant: 'immediate' placement, 75; etched
 titanium, 74; tooth, 30, 51, 70, 72-76, 167
 implantologist, 76
 independent patient-advocacy, 169
 India, 18
 infant feeding practices, 81
 infection-control, 144
 infectobesity, 9

LONGEVITY LOGIC

- informed: consent of treatment, 145; refusal of treatment, 145
- inlay filling, 64, 65, 66
- In-Office Research, initiative, 185
- insomnia, 120
- instruments, sterilization, 144
- insurance: coding, 177; company profit, 181; comparative shopping, 59, 178; completion of forms, 146; contract language, 176, 181; co-pays, 173, 186; deductible, 173, 179; dental, 149, 150, 181; disclosure requirements, 180; discrimination, 149; disease management, 177; dispute protocol, 181; employer-based, 179; fee-limitations, 146; inflexible contract, 177; maximum-age limitations, 181; participation, 143; portability, 178; practices, 150; premium discounts, 168; premium increase, 175; premiums, 172; reimbursement, 150; self directed coverage, 181; "single-payer" system, 179; subcontracting, 177; subcontractors, 180; unaffordable coverage, 170; wellness-discount, 168, 180; workplace coverage, 171
- insurance benefit: assigned, 146; determination of, 169; direct reimbursement of, 180; dispute resolution, 169; indirect, 176; single crown, 167; single onlay, 167; zip code adjusted, 168
- insurance company, 179; accountability, 167; omnipotence, 180
- insurance contract: interpretational abuse, 180; language, 167; obscured, 126; restrictive, 126; semantics, 181; unfair, 149
- insurance plan, evaluation of, 176
- insurance reimbursement, responsibility for, 146
- International Association for the Study of Pain, 137
- International Classification of Diseases, 60
- International Healthcare – Systemic Reviews, 43
- Internet, 150; healthcare-provider input, 184; patient information, 184
- interstate-licensure-by-credentials, 151
- intraoral camera, 62
- investigative procedure, 179
- Italy, 163
- J**
- Japan, 114
- jaw: alignment, 124; design, 119; realignment, 123
- Jefferson, Thomas, 139
- Joint Licensure Conference, 150
- Journal of Clinical Dentistry, 97
- Journal of Clinical Periodontology, 97
- Journal of Dental Research, 96
- Journal of Periodontology, 13
- Journal of the American Dental Association, 11
- Journal of the American Medical Association, 177
- juicer, 80
- Jumbo-Size, 160
- junk-food, 158, 161
- K**
- Kaiser Commission on Medicaid and the Uninsured, 170
- Kaiser Family Foundation, www.kff.org, 155
- ketchup, 158
- Keyes, Dr., 97
- L**
- Lacto-Acidophilus, 116
- Lao-Tzu, 27
- laser: dental, 91, 94, 95, 96; future technology, 96
- laughing gas, 87, 136
- lead-apron, 61
- legal recourse, 141
- lethal injection, death by, 131
- libido, 159
- life expectancy, U S average, 120, 195
- life-span: extension of, 164, 169; recent immigrant, 158
- life-style, sedentary, 9
- light-cured, 63, 84
- limbic system, 131, 132
- lingual, 27
- liposuction, 154
- loan-forgiveness programs, for dentists, 169
- longevity: comparative graph, 195; greater average, 184; increase, 159, 161; prescription for human, 164; quality of, 5
- long-in the tooth, 77
- long-term care, 80
- lost-enamel, replacement of, 181
- low-birth-weight, 98
- low-density lipoproteins, 11
- low-income families, danger to, 169
- lycasin, 22
- M**
- makeover, cosmetic, 90
- malignancy, 56
- malpractice standards, 183
- managed-care, 3, 149, 166, 175; confusion, 3; control, 177; establishment, 174; failures, 180; groups, 4, 180; limit benefits, 176; model, 183; overcrowding, 150; promises, 176;

reviewers, 180; second coming, 177; surge, 184; traditional, 181; typical, 175
 mandibular-positioner, anterior, 102
 Mannitol, 22
 Marathon Man, movie, 129
 marketing, unscrupulous, 163
 Martí, José, 175
 Marx, Groucho, 165
 Maryland bridge, 71
 Mason, Jackie, 109
 Massachusetts health-plan, 179
 maximum-yearly-benefit level, 127, 167, 179, 180
 McDonald's, 117, 158
 Meals on Wheels, 157
 meat, 7, 41, 117, 191; red and processed, 161
 mediation, third party, 181
 Medicaid, 81, 157, 169; cost, 170; dental care, 170; dentist participation, 169; provider tax credits, 185
 medical bills, unpaid, 171
 medical history, complete, 144
 medical necessity, 177, 179
 medical spending, completely avoidable, 183
 medical, cost, 173
 Medicare, 154, 156, 157, 171, 177, 183; dental care, 78, 79, 185; early days of, 149; no dental benefits, 165; +Choice, 173
 mentally handicapped, 14
 mercury, 91, 92, 106, 107, 108; allergy to, 108; controversy, 114; -free, 106; hazardous material, 107; in fish, 161; wastewater, 108
 Meridia, 153
 metabolic oxidants, 159
 metaphysicist, pleasure-seeking, 87
 Mexican Americans, 35
 microscope and microdentistry, 93; improving oral care, 94; in periodontal disease, 94; in root canals, 94
 mid-face-collapse, 122, 124
 migraine headache, 121
 minimal care philosophy, 177
 minimum wage worker, 2
 minority population, 169
 Miss Piggy, 153
 modulators, 100
 molar tooth, 104, 124
 monosaccharide, 18
 moral ethic, professional, 183
 moral hazard, 179, 182

moral incentive, 182
 mottling, 111
 mouthguard: boil-and-bite, 86; occlusal, 123, 125; sports, 85
 mucosa, 45
 Musashi, Miyamoto, 115
 myelinated nerve, 133

N

NASA Langley Research Center, 93
 National Cholesterol Education Program, 159
 National Health and Nutrition Examination Survey, 12
 national health-care, 185; initiative, 152
 National Institute of Dental Research, 97
 National Institutes of Health (NIH), 23, 132, 159
 National Research Council, 112, 114
 Native Americans, 161, 166
 nCPAP, 102
 Nd:YAG laser, 95
 nerve fibers: A-alpha, 131; A-delta, 131; C-type, 131; myelinated, 131, 133; pulp, 132
 nerve pathway, 133
 nerve, grid-anatomy, 133
 neuro-chemical change, 130
 New York Times, 141, 142
 New Zealand, 163
 nicotine, 54, 103, 120, 126
 nitrous oxide: (N₂O), 87; anxiety reduction, 136; extensive exposure, 88; pain distraction, 88; risks from, 88; scavenger units, 88; sedation, 88
 non-treatment, risk of, 145
 Norway, 106, 163
 nose brain, 132
 nuclei, posterior, 131
 nursing home, 79; study, 14
 nutrient, absorption, 10
 nutrition, neglect of, 17
 nutritional: counseling, 144; evaluation, 144; food intake, 161
 Nutritional Common Sense Diet+™, 154, 160, 162, 191

O

Obama, President Barack, 179
 obesity, 8, 9, 10, 43, 114, 154, 155, 157, 162, 170; a disease, 156; adult, 153; child, 163; clinical, 153; commercialization, 163; cost, 155, 156, 159; crisis, 9, 155, 156; definition, 156; elderly, 156; epidemic, 154, 155, 156; factors, 10; female, 153; figure,

LONGEVITY LOGIC

- 153; in America, 153, 173; in Pima Indians, 8; in puberty, 153; increase, 122, 153, 161; is poverty, 163; lawsuits, 158; links, 9, 12, 42, 43, 119, 155, 161; litigation, 163; male, 153; Medicare-sponsored studies, 157; middle-age, 153; penalty for, 163; predisposition, 8, 9, 10, 162; problem, 160, 163; reduction of, 154, 156; risk from, 156; tax deductions, 154; treatment, 153; treatment benefit, 157; triggers, 9; 21st century, 154; worldwide, 154, 155; youth, 155
 - obestatin hormone, 164
 - occlusal vertical dimension, 119, 121, 125, 126, 127; loss, 119, 121-125; restoration of, 124
 - occlusal/bite-splint, 123, 125
 - occlusion, functional, 87
 - Omega-3, 161
 - oncologists, 55
 - onlay filling, 64, 65, 66, 68
 - oral cancer, 48, 51, 54, 55, 56, 57, 144; survival rate, 55
 - oral care, 13, 120, 148; as follow-up treatment, 14; conventional, 42; cost, 172; delivery, 149; elderly, 14; in disease prevention, 14; insurance, 170
 - oral disease epidemic, 165
 - oral exam, 33, 59, 60, 61, 144
 - oral health, 10, 4, 17, 111, 127, 137, 143, 146, 165; disparity, 165; education, 5, 83, 168; efficacious, 5; field of, 4; importance, 165; infant concerns, 83; link to, 79; links, 9, 15; literacy, 3; modification, 8; overall, 4; preventive, 130; recognition, 185; status, 60; study, 166
 - Oral Health America, 170
 - oral health care, disparity, 170
 - oral health care, elderly, 185
 - oral health care, not be excluded from national health, 185
 - oral hygiene, 17, 38, 47, 48, 80, 113, 137; at home, 30; attention to, 83; benefit, 41, 97; benefits to, 87; capability, 46; child, 28; component, 28; comprehensive, 42; diligence, 37; elderly, 79, 80, 81; focus, 17; guidance, 144; improvement, 42; infant, 82; in-office, 37, 38; maintenance, 31; method, 97; meticulous need, 24, 48, 72, 75; personalized, 30; poor, 35, 76; post-treatment, 126; practices, 32; program, 24; reduced, 38; skills, 4; treatment, 37; verification, 168
 - oral irrigator, 30
 - oral ornamentation, 48
 - oral surgeon, 69, 123, 125
 - oral/facial injury: prevention of, 85, 86; sports-related, 85, 86
 - organ, vital, 165
 - organic produce, 9
 - organized dentistry, 149, 150
 - oropharynx, 55
 - orthodontic: avoid need for, 84; benefits, 87; child, 87; fixed, 87; limited, 123; minor, 92; removable, 87, 92; time-consuming, 84; treatment, 123; treatment needs, 32
 - orthognathic, 123
 - osseous, 77, 78
 - osseous, component, 36
 - osteoarthritis, 161
 - osteoporosis, 14, 52, 100, 112, 161
 - outsourcing, 148
 - overdenture, clip-bar, 73
 - over-treatment, 126, 183
 - overweight, 10, 153, 159, 160, 189, 191; links, 161; men, 153; middle-age, 153; risk of becoming, 161; toddler, 153; women, 153; worldwide, 154
- ## P
- pacifier, anatomic, 84
 - pain: acute, 136; anxiety from, 134; arousal effect, 134; chronic, 131, 133; components, 130, 133; conditioning, 134; conduction, 134; control, 130, 135, 137; cortical perception, 132; dental, 129, 130, 132, 133-136, 165; dental cycle, 135; diagnostic, 130, 134; dull, 131; empathetic, 135; facial, 133, 134; hydrodynamic, 133; hyperalgesia, 135; intellectual, 134; interpretation, 136; localization, 133; management, 135; memory, 132; monotonous, 134; negative conditioning, 134; neural chemical conduction, 133; non-noxious, 131; noxious, 131; perception, 130-136; phenomenon, 130; physiology, 130, 132; potentiating, 132; precognizant, 134; psychological, 134; quantification, 133; receptor, 130; reduction of, 136; referred, 133; relief, 130, 135; response, 134; sensation, 130, 137; sensitivity, 132; sharp, 131; somatic, 134; stimulation theory, 132; stimulus, 131; subjective, 131, 134; transmission, 133; traumatic, 132; type, 136; visceral, 134
 - pajama dentistry, 143
 - Paleolithic, man, 7
 - paleontologists, 7, 119
 - palette, 28
 - Paraguay, 155
 - partial denture, 10, 72
 - participating dentist, 143
 - patch-up and repair-only mentality, 183

patient: -bill-of-rights, 183; cardiac compromised, 13; communication, 145; diagnosis, 180; direct payment, 146; disease-predisposition-risks, 164; fearful, 87; load, 175; political involvement, 183; -protection legislation, 150; rights, 180; rights legislation, 183; -to-doctor ratios, 175; trust, 145

patient education, 143, 181; 152 additional material, 148; attention to, 5; candid, 141, 151; components, 3; comprehensive, 186; cost, 4; dedication to, 147; extensive, 37; fee protocol, 3; most beneficial, 14; opportunity, 145; prior, 142; secondary concern, 3; service, 2; state-sponsored, 169; valuable, 168; well defined, 167

patient-advocacy: coalitions, 186; frameworks, 186; independent, 169

pay-for-performance proposal, 182

payment penalties, retroactive, 182

pediatricians, 83

pellagra disease, 162

pellicle, tooth, 21, 91

penicillin antibiotic, 99, 115, 116

pneumonia, 13

periodontal: damage, 124; evaluation, 144; health, 32, 38, 87; infection, 99; ligament, 14, 36, 67, 93; status, 61, 144; structure, 60; surgery, 76, 77, 95, 135, 140

periodontal disease, 11, 12, 51, 100, 140; 'subversive', 35; advanced, 14, 76, 97; advances in, 97; and obesity, 43; antibiotics, 116; bacteria, 94; bad breath, 45, 48; bone loss, 77; chronic, 35; controlling, 41; diagnosis, 93; early stage, 35; episodic, 38; eradicate, 24; extended, 77; from smoking, 51; in minorities, 35; in the US, 35; irreversible damage, 35; link, 11, 12, 14, 37, 42, 43; moderate to severe, 36, 39; pneumonia risk, 14; preexisting, 98; prenatal risk, 98; preventive program, 98; pyorrhea, 41; recognizable, 36; reduction, 22, 40, 41, 97; risk, 13, 43, 79; risk from, 11, 12; severity, 39; smoking cessation, 40; spending, 10; stress, 12; tissue damage, 41; tooth loss, 43; trench mouth, 41; unresponsive, 40, 69

periodontitis, 35, 36, 37, 51, 98

peroxide whitening, 91

per-patient-visit time, 175

personal bankruptcy, leading cause of, 171

pH, 19-22, 31, 46, 122

pH level, 20

phagocytic, 52

phosphorous, 82, 99

physical education programs, 158

physically handicapped, 14

physically-active, work, 159

physician, 1, 33, 39, 56, 62, 99, 102, 143, 165; co-payment, 176; impartial, 169; primary-care, 5, 175, 186; shortage, 186; tax deduction for, 154; trust, 142

physicians and dentists, loan forgiveness for, 186

Physicians' Desk Reference for Herbal Medicine, 39

Pima Indians, 8

pit and fissure, 60, 84

pits and grooves, 27

plaque, bacterial, 20, 27-32, 35, 37, 38, 40, 48, 77, 94, 97, 98

plaque, removal of, 35, 77

pneumonia, 14, 42; death from, 79

political advocacy, 151

political involvement, patient, 183

polymorphonuclear leukocytes (PMN), 52

polyphenol oils, 39, 46

pontic, tooth, 71

porcelain filling, 65

porcelain veneer facing, 89, 90

porcelain, bonded, 124, 125

portability, insurance, 178

post-and-core, 68, 69

postoperative, 69, 136

postoperative infection, 96

poverty disease-link, 162

poverty line, below, 166

pre-cancer cells, 159

pregnancy, 44, 52, 61, 98, 99, 116

pregnant mother, 99

premedication, 13

preoperative, 136

pre-term low-birth-weight, 98

prevention, community-based, 109

prevention, cost-savings, 168

prevention, for elderly, 170

prevention, initial cost of, 185

prevention, unnecessary treatment, 179

preventive: basic treatment, 185; dental measure, 104, 109, 110, 123, 125, 126; dental services, 79, 181; dentistry program, 98; diagnosis, 62; hormone therapy, 100; measures, 63; medical measure, 13; patient instruction, 2; periodontal care, 14; perspective, 10; referral, 63

Preventive Dental Health Association, 42

primary care physician, 5; shortage of, 185

primary patient-care, 14

LONGEVITY LOGIC

priority populations, health-care danger in, 169
private practice, 10
profiteering/corruption, 184
progesterone, 100
prosthodontic, 71
prosthodontist, 124
prostoglandis, 98
protein, 13, 42, 191, animal, 160, 161
provider duties, 180
provider payment-incentives, 180
public awareness campaign, dental care, 169
Puerto Rican Americans, 35
pulmonary disease, 14; chronic obstructive, 13
pulp, 67; chamber, 67, 68; dental, 133; injury or infection, 133; nerve-filled, 133; removal, 95

Q

quadrant, 78
quality care: disgrunteled with, 1; compensation of, 182; infringement on, 182; levels of, 4, 152

R

radiographic, 61, 62, 85
radiographic x-rays, 59
radiographic, analysis, 60
radiographs: complete set, 61; dental, 60, 144
Rand Corporation Study, 173
raw foods, 11
recession, gum, 27, 28, 76, 77, 104, 110
Reader's Digest, 139, 142
reimbursement, 50% to 90%, 179
reinsurers, 177
remineralization, dental, 32, 109, 110
residency, dental general-practice, 142
resin-bonded partial denture, 71
reticulo-activating system, 131, 134
retreatment: benefit limitation, 167, 168
retroactive payment penalties, 182
risk-predictor of disease, 13
Rome, ancient, 47, 86
Romney, Mitt, 179
root, 68, 69, 73, 76
root canal, 61, 67, 68, 69, 85, 94, 168; sterilization of, 95
root: caries, 47; planing, 38
root removal, partial, 41
rubber-dam, 67
Russia, 155

S

saliva, 11, 21, 191; acidity, 29; chemistry, 19, 20, 21, 46; decrease, 20, 23, 33, 55; diagnostic potential, 21; enzymes, 10, 81; foamy, 43; improved, 97; increase, 20, 29, 30, 81; insufficient, 81; protective, 19, 21; reduction of, 11; replacement treatment, 56
salt, 10
sand-ground corn meal, 119
sanguinaria, 32
Save-A-Tooth, 85
scaling, 38, 40, 76, 98, 99
scalpel, surgical, 95
school hours, loss of, 165
school lunches, 157, 158
Schweitzer, Albert, 135
sealant, dental, 84, 181
second opinion, 40, 92, 141, 148
secondhand smoke, 52
sedation: intramuscular, 88; oral, 88
senior, 79, 80
seniors lack available dental care, 170
seniors suffer needlessly, 185
severe early childhood caries, 82
sexual and reproductive activity, 159
sexually transmitted disease, 105
silver-mercury filling, 106
sippy-cup, 82
sleep apnea, 101, 102, 161; central, 101; mixed, 101; obstructive, 101
smoking, 51, 52, 53, 54, 55, 56; cessation, 40, 42; links to, 51
S-mutans bacteria, 22, 24, 52
snap-on teeth, 92
snoring, 101, 103
social interaction, improved, 79
socioeconomic disparity, 162, 166
socioeconomic lines, 79
Socrates, 164
soda pop, 82, 158
sodium lauryl sulfate, 32
soft drinks, 18, 43, 82, 103, 122
Sorbitol, 22, 96
specialist: dental, 146; multiple-office, 145; referral, 146, 150
spirochete bacteria, 94
standard of care, 4, 145
Stanford economist, 178
State Children's Health Insurance Program, 141
State Of Working America 2004/2005, 9

states rights concerns, 151
 statin drugs, 161
 status quo, ineffectiveness of, 151
 stimulus, physical, 130
 stockholder profit, short-term, 182
 stomach size, ninety-percent reduction of, 154
 streptococci bacteria, 45, 115
Streptococcus mutans bacteria, 22, 23, 24 52
 stress-breaker, 72
 stroke, 12, 13, 42, 62, 63; complex factors, 12;
 emotional factors, 12; evaluation, 63; hormone
 replacement, 100; incidence, 12, 13; increase
 of, 12, 13, 42, 173; ischemic, 12; link, 12,
 42, 51, 100, 155, 161; prevention, 62; risk,
 62, 102; risk-predictor of, 13; smoking, 51;
 stress, 12; warning sign, 48
 Stroke journal, 12
 study-models, dental, 90, 126
 subacute bacterial endocarditis, 13
 sucking, in children, 84
 sucrose, 18, 23
 sugar, 7, 10, 18, 19, 20, 22, 23, 82, 96, 97,
 158; alcohols, 22; consumption, 18, 19, 20,
 22, 82, 99, 160; natural, 82; producer, 157;
 raw, 18; refined, 22; substitute, 18, 22, 97
 sugarless gum, 29
 sulcus: gingival, 27, 28, 36, 76; pocket-depth, 36
 Sullivan Commission Report—Missing Persons, 169
 Sun Tzu, 47
 Super Size Me, documentary, 158
 surgeon, maxillofacial, 123
 surgery, weight-loss, 156
 survival: of the human species, 117; of the richest,
 171; with oral cancer, 55
 Sweden, 106, 114, 163
 sweet air, 87
 sweetener, dietary, 18, 22, 97

T

Tao Te Ching, 27
 targeted management, 177
 tartar, 35, 36, 77; buildup, 32; control, 80;
 detectable, 36; reduction, 31; removal, 40, 77
 taste and fulfillment, 10
 tax incentive, 152, 154, 163, 178
 teeth for health and longevity, 7
 tempo-mandibular disease, 105, 124, 125
 tempo-mandibular joint, 105, 121
 terminal-wear-syndrome, 122
 tetracycline antibiotic, 40, 99, 116
 thalamic connection, 131
 third molars, 104
 third party mediation, 181
 third-party-review, independent, 182
 three square meals, 164
 thrifty genes, 8
 thymol, 46
 tic-tac, 24
 tiered insurance plan, 177, 179
 time-limitations for, 167
 tissue damage, 131
 tobacco industry, 164
 tongue, 27, 45-48, 73, 102; anatomy, 48; in
 breath 48,49; dry, 46; evaluation, 48, 57;
 hygiene, 28, 47, 48; ornamentation, 48;
 papillae, 47; -retaining device, 102; sensation,
 37; significance, 48; stroke, 48; sensitivity, 30
 tooth: abrasion, 90; accident, 85; alignment, 124;
 anatomy, 25, 36, 67, 89, 119; anatomy-
 diagram, 25; baby, 83, 84, 85; bleaching,
 91, 96; broken, 85; cap, 89; cleansing, 29,
 30; color, 80, 90, 91, 111, 112; color shade-
 guide, 92; crooked, 92; crowding, 87; crown,
 47, 69, 89, 168; deciduous, 83, 84;
 discoloration, 92; durability, 167; emergency,
 85; eruption sequence, 82, 84, 85; eruption
 sequence chart, 84; extraction, 84; fracture,
 85, 94; function, 4, 83; functional alignment,
 87; growth, 84; impression, 66, 90; infection,
 36, 105; intruded (pushed in), 85; knocked out,
 85; lightening, 90, 91, 96; loss, 5, 10, 11,
 12, 14, 17, 36, 42, 51, 52, 75, 77, 79, 80,
 84, 85, 86, 94, 98, 99, 100, 105, 119,
 122, 140, 168; milk, 83; mobility, 140;
 movement, 75, 87; natural, 89, 90, 125;
 neglect, 84; permanent, 85; pontic, 71;
 reduction, 71; re-implanted, 85; repair, 63, 64,
 65, 66, 68, 94, 105, 106, 124, 125, 147;
 replacement, 70-74, 76, 167, 168; sensitivity,
 28, 77, 86, 91, 104, 105, 122, 134, 140;
 sensitivity reduction, 32; temporary, 66; unique
 positions, 30; unrestorable, 69; wear, 66, 119,
 121, 122, 124
 Tooth Anatomy Diagram, 25
 toothache, 133
 toothbrush, 28, 29, 30, 36, 48, 80, 83, 90,
 105; abrasion, 91; bacteria, 28; benefits, 30;
 bristles, 27, 28, 30, 80; design-comparison,
 30; ergonomic, 31; first, 30; new, 28; patents,
 30; position, 27; power, 80; replacement, 44;
 sterile, 29; today, 30
 toothpaste, 31, 91, 110, 111; #1 brand, 31;
 apply, 29; baking soda, 31, 97; brands, 28,
 31, 32, 97; child amount, 83; child cleanser,
 83; composition, 32; desensitizing, 105;
 essential oils, 31; fluoridated, 112; fluoride-free,
 83; formulas, 32; green tea extract, 31;

LONGEVITY LOGIC

ingestion, 28; ingredient, 31; jar, 31; non-fluoridated, 28; results, 28; safety, 91; today, 21; tube, 31; whitening, 31, 90

toothpowders, 31

tort reform, 183

tracking system, computerized, 182

trans, fat, 161; -fatty-acids, 162; ban, 162

traumatic brain injury, 86

Traveler's Guide to Safe Dental Care, 144

treatment: abuse, 126; alternative, 167; cold sore, 44; complete coverage, 179; cost, 35, 37, 108, 139, 179; cost reduction, 185; decision, 39, 40, 65, 104; durability, 168, 182; economic incentive, 168; economic penalty, 168; elective, 99; endodontic, 67; failure, 167, 168; gum, 32, 41; herbal, 39; litigation, 145, 180, 182; material, 2, 63, 64; medically indicated, 167; medically necessary, 179; minimum, 92; non-surgical, 38; options, 2; periodontal, 39, 40, 42, 43, 77, 94, 116; plan, 2, 60, 71, 90, 92, 126, 127, 139, 141, 144, 145, 147, 168; priority, 3; quality, 4; reimbursement level, 169; release form, 145

treatment planning, final word on, 180

treatment-quality, reward for, 167

Trial journal, 176

trimester, 99

Tufts University researchers, 52

U

ulcer, 11, 44, 156

underinsured, Americans, 178

undertreatment, 183

unemployed: rise of, 171

unemployed Americans, 170

uninsured: Americans, 172, 178, 179, 187; health crisis, 183; numbers of, 170; rise, 171

U S Army Medical Research Institute of Infectious Disease, 94

U S Census Bureau, 78, 120

U S Centers for Disease Control & Prevention, 166

U S Consumer Union, 107

U S Department Of Health and Human Services, 157, 166, 169

U S Department of Agriculture, 157

U S House of Representatives, 183

U S National Institutes of Health, 153

U S Public Health Service, 107

U S Supreme Court, 178

U S Surgeon General, 54, 155, 165, 166, 171; Report, 165; On Nutrition and Health, 112

universal healthcare, 150, 178, 186

unmanaged-care model, 182

upper-airway resistance syndrome, 101

usual and customary reimbursements, 149, 168

V

vegetables and fruits, organic, 8

veneer facing technique, 89, 90

vertebrate, conquest of dry land, 7

vertical-support, posterior, 125

viral mutation, 117

virgin tooth, 71

visceral, 131

vitamin: A, 99; C, 53, 99; D, 14, 82, 99; E, 99

vitamin, 38; supplements, 10, 39, 44, 159, 191; therapy, 100

volatile sulfur compounds, 46, 47, 48

Voltaire, 143

vomiting, self-induced, 86

W

Wall Street Journal, 173

Washington Post, 117

water consumption, U S, 160

weight: loss programs; 160; management, 191;

Weiss Ratings, Inc., 173, 176

wellness-discount, insurance, 168, 180

whitening, of teeth, 90, 91;

Wild Flossers pamphlet, 29

wisdom teeth, 104

World Bank report, 174

World Dental Congress Report, 96

World Dental Federation (FDI), 107

World Health Organization, 107, 114, 155, 174, 186

Wright, Frank Lloyd, 179

www.LongevityLogic.com, 6, 150, 167, 169, 183

www.MaxCare.us, 6, 180

X

xerostomia, 46, 102

x-ray: bitewing, 60, 61; dental, 60, 61, 62; full-mouth-series, 61; panoramic, 60, 63; periapical, 60; unit, 144

Xylitol, 22, 29, 30, 48, 96, 97, 99

Y

Year Book of Dentistry, 41

yellow-journalism, 140

Z

zinc chloride, 46