

## Index

acculturation, 100 acquired immune deficiency syndrome (AIDS), 23, 28 acupuncture, 77 acute necrotizing gingivitis, 23 adult dental health survey, 29, 45 advertisements, 49 advocacy, 48 alcohol, 16, 31, 47-48, 80-81 alcohol-brief intervention, 81 alcohol—minimum unit price, 81 alcohol-misuse, 80 alcohol—recommended safe levels of consumption, 80 alcohol-units, 80 Alcohol Health Alliance, 81 alcoholism, 81 animal studies, 67 antiretroviral therapy, 23 arginine, 59 armed forces dentistry, 86 aspartame, 69 assessment, 2 assurance, 2 bands-of dental care, 96, 105 barriers to dental care, 98-99 Basic Periodontal Examination (BPE), 10

behaviour change, 50 behaviour change—theories, 50-51, 76-77 betel, 75 betel quid, 23, 75 bias, 27-28 bias—publication, 38 bias-recall, 31, 33 bias-selection, 33 bidi, 75 binge drinking, 81 biofilm, 56-57 biological plausibility, 27

black and minority ethnic (BME), 101 Black Report, 45 blended contract, 105 blended dental contract, 97

blind, 35 blind-single, 35 blind-triple, 35 Bradford-Hill criteria, 27 breastfeeding, 67

brief intervention, 81

British Association for the Study of Community Dentistry (BASCD), 13, 29, 63

British Fluoridation Society, 60 British Orthodontic Society, 41 British Society of Periodontology, 41

bullying, 49 BUPA, 39 bupropion, 77

calculus, 59 calibration, 35 cancer, 48 cancer registry, 17 Cancer Research UK, 17 candida (thrush), 23 cannabis, 33, 75 capitation, 96, 105

cardiovascular disease, 48, 67 Care Quality Commission (CQC), 113

case report, 28-29

case-control study, 26, 30-31

cause, 27, 29

Childsmile, 63

Centers for Disease Control, 60

children and young peoples' dental health survey, 19

CINAHL, 39 clinical audit, 109-111 clinical audit—criteria, 111 clinical audit—cycle, 110-111 clinical audit—outcome, 111 clinical audit-process, 111 clinical audit-structure, 111

Clinical Commissioning Groups, 95 clinical dental technician, 102-103

clinical effectiveness, 109 clinical governance, 109 clinical guideline, 41

clinical audit standards, 111

clinical guideline—adherence, 41

clinical research, 111 clinical significance, 35 Cochrane—Library, 41

Cochrane—Professor Archie, 40 Cochrane Collaboration, 39-40

cohort study, 26, 32-33

common risk factor approach, 22, 67

Dental Public Health at a Glance, First Edition. Ivor G. Chestnutt. © 2016 John Wiley & Sons, Ltd. Published 2016 by John Wiley & Sons, Ltd. Community Dental Service, 95 community network, 5 Community Periodontal Index of Treatment Need (CPITN), 10, 15, 23 complaints, 108, 113 Complaints—responding to a complaint, 113 Complaints—The Dental Complaints Service, 113 confounding, 27-28 CONSORT-statement, 34 continuing professional development, 108 continuing professional development—non-verifiable, 108 continuing professional development—verifiable, 108 control group, 35 cosmetic dentistry, 105 cost-benefit analysis, 92-93 cost-effectiveness analysis, 92-93 cost-minimization analysis, 92-93 costs, 92-93 costs—capital, 93 costs-recurrent, 93 cost-utility analysis, 92-93 cross-overstudy, 36-37 cross-sectional study, 26, 28-29, 67 cultural competence, 101 data—analysis, 39 data-count, 9 data—denominator, 9 data-extraction, 39 data-standardized, 9 data protection, 108 Dean's Index, 10 decayed, missing and filled index—DMFT, 10, 12-13 Delivering Better Oral Health, 63, 105 demand, 84 dementia, 21 demineralization, 57 demography, 3, 9 Denplan, 97 dental attendance, 47, 98-99 dental attendance—barriers, 99 dental attendance—frequency, 99 dental care—primary, 95 dental care—private, 95 dental care—secondary, 95 dental care—specialist, 95 dental care—tertiary, 95 dental care pathway, 104 dental care professional, 102-103 dental caries, 46, 52, 56, 59, 67, 89 dental caries—adults, 13, 23, 45 dental caries-children, 13, 22, 45 dental caries—distribution, 12, 44-45

dental index, 11 dental index-periodontal, 14-15 dental index—properties, 11 dental insurance, 97 dental materials—testing, 37 dental nurse, 102-103 dental plaque, 57 dental public health—approaches, 2 dental public health—components of practice, 2 dental public health—definition, 2 dental public health—key disciplines, 3 dental therapist, 21, 102-103 dentine sensitivity, 59 Dentists Act 1921, 103 dentures, 21 deprivation, 44-45 deprivation—indices of multiple deprivation, 45 Designed to Smile, 53, 63 diabetes, 15, 67 diagnostic test, 29, 88 diet, 23, 47, 66-67 direct access, 103 Donabedian, 111 dose-response, 27 Dunedin Multidisciplinary Health and Development Study, 5, 33 ecological fallacy, 29 ecological study, 29 economic status, 45 effect, 27 effectiveness, 40, 49, 109 efficiency, 40, 49, 93 EMBASE, 39 epidemiology, 8-9 epidemiology-count data, 9 epidemiology—definition, 9 epidemiology—denominator data, 9 epidemiology—proportion, 9 epidemiology-rates, 9 epidemiology—WHO Basic Methods, 22 equity, 49 erosion, 67 ethnicity, 100-101 European Economic Area (EEA), 101 evidence hierarchy, 41 evidence levels, 41

evidence herarchy, 41
evidence-based dentistry, 40–41
evidence-based practice, 3, 40, 109
Facebook, 49
Fast Alcohol Screening Test (FAST), 81
fee-per-item, 97, 105
FiCTION clinical trial, 35
fissure sealants, 63

dental fluorosis, 57, 61

dental hygienist, 21, 102-103

fluorapatite, 57



fluoridation, 57, 60-61 health economics, 3, 92-93 fluoridation-economics, 61 health education, 47 fluoridation-effectiveness, 61 health gain rhomboid, 40 health improvement, 3, 46, 52 fluoridation-epidemiology, 61 fluoridation-ethics, 61 health improvement programme, 44 fluoridation—factors necessary for implementation, 61 Health Inspectorate Wales, 113 fluoridation—history of, 61 health-promoting schools, 49 fluoridation—objections to, 61 health promotion, 3, 46-47 fluoridation—systematic review of, 61 health promotion—common-risk factor approach, 49 fluoridation—York Review, 61 health promotion—disease centred approach, 49 fluoride, 56-63 health promotion—settings approach, 49 fluoride-foam, 63 health promotion—upstream/downstream, 47 fluoride-gel, 57, 63 health protection, 47 fluoride—mechanism of action, 57 health services management, 3 fluoride-milk, 57, 63 Healthcare Improvement Scotland, 113 fluoride - mouth-rinse/mouthwash, 63 heavy metal generation, 21 fluoride-safety, 59 heroin, 87 fluoride-salt, 57, 63 Herpes Simplex Virus-1, 23 fluoride-strategy, 57 Herpes zoster, 23 fluoride—systemic effect, 57 homeless people, 87 fluoride-topical effect, 57 hookah, see waterpipe fluoride—toxicity, 59 human immunodeficiency virus (HIV), 23 fluoride drops, 57, 63 human papilloma virus, 17 fluoride tablets, 57, 63 hydroxyapatite, 57 fluoride varnish, 57, 63 hypnotherapy, 77 four-handed dentistry, 103 frail elderly people, 87 improving oral health—high-risk individual approach, 52 Fruit-only tuck shop, 49 improving oral health—targeted population approach, 52 fruit tuck shops, 69 improving oral health—whole population approach, 52 funnel plot, 38 incidence—definition, 9 Fusobacterium necrophorum, 23 independent dental care, 97, 105 Independent Review of NHS Dentistry, 105 General Dental Council, 40, 101, 103, 113 Index of orthodontic treatment need (IOTN), 10, 19 Index of orthodontic treatment need (IOTN)—aesthetic General Dental Service, 95 component (AC), 19 gingival index, 14 Index of orthodontic treatment need (IOTN)—dental health gingivitis, 15 component (DH), 19 glass ionomer, 57 Index of orthodontic treatment need (IOTN)—modified gold standard study design, 35 version, 19 grey literature, 39 inequalities—oral health, 45 gross domestic product, 5 inequalities—oral health—quantifying, 45 gutkha, 75 in-situ appliance experiments, 67 gypsies, 87 intention to treat analysis, 37 International Caries Detection and Assessment hairy leukoplakia, 28 System (ICDAS), 13 hairy tongue, 73 International Classification of Disease (ICD), 17 halitosis, 73, 75 interventional study, 26 hand-search, 39 harm, 40 joint strategic needs assessment, 85 health—definition, 5 health—determinants, 3-5, 45 Kaposi's sarcoma, 23 health—inequalities, 3, 53 Kappa statistic, 10-11, 35

Health and Well Being Board, 85 Health Belief Model, 51

health and safety, 108

Health and Social Care Act (2012), 63, 85

life circumstances, 4

keratosis, 73

language, 101

lifecourse analysis, 4-5 lifestyle, 4-5 liver disease, 80 local authorities, 63 locus of control, 51 longitudinal study, 26, 67 Lower Layer Super Output Area (LLSOAs), 45 malnutrition, 23 malocclusion, 19 Marmot, Michael, 53 Marmot Report, 45 Maxwell, 109 Media, 49 Media-social, 49 Medicaid, 97 medical statistics, 3 Medline, 39 mental disability, 87 meta-analysis, 39, 40 methadone, 87 migration, 101 Modified Dental Anxiety Scale, 99 modified developmental defects of enamel (DDE), 10 modified gingival index, 10, 14 motivational interviewing, 51, 81 mouthguard, 19, 47 mouthwash, 57, 63 National Health and Examination Survey (NHANES), 22, 29 National Institute for Health and Care Excellence (NICE), 41, 51, 63, 93, 99 National Institute of Dental Research, 69 need-expressed, 85, 98 need-felt, 85, 98 need—normative, 98 needs, 84 needs assessment—comparative, 85 needs assessment—corporate, 84 needs assessment—epidemiological, 84 negative predictive value, 88 NHS area teams, 95 NHS dental contract, 105 NHS dental pilots, 105 NHS England, 94-95, 97 nicotine, 75 nicotine replacement therapy, 77 noma (cancrum oris), 23 non-carious tooth surface loss, 18 Non Departmental Government Body, 41 obesity, 48, 69, 80 observational study, 26-27, 67

odds ratio, 30-31 oesophageal carcinoma, 31 old people, 87 122

opportunity costs, 93, 110 oral cancer, 16-17, 23, 73, 81, 89 oral cancer—geographic variation, 17 oral cancer—incidence, 16-17 oral cancer—socio-economic status, 17 oral cancer—trends, 17 oral cleanliness, 15 oral epidemiology, 3 oral hairy leukoplakia, 23 oral health-changes, 21, 44 oral health—definition, 4 oral health—determinants, 4-5 oral health-trends, 20-21, 29 oral health education, 47 oral health education—limitations, 47 Oral Health Impact Profile, 11, 14 oral health needs assessment, 84 oral health promotion—acceptability, 49 oral health promotion—appropriateness, 49 oral health promotion—evaluation, 49 oral health survey-BASCD, 13, 29 oral health survey—decennial, 13, 15, 19, 29 oral hygiene, 15 oral submucous fibrosis, 75 oral warts, 23 order effects, 37 orthodontic treatment-NHS qualification, 19 osteoporosis, 67 Ottawa Charter, 47 overseas trained dentists, 101

Overseas Registration Examination (ORE), 101, 112

P. gingivalis, 15 Patient Advice and Liaison Service (PALS), 109 patient co-payments, 97 patient involvement, 95, 109 peer assessment rating (PAR), 10 peer review, 111 per protocol analysis, 37 periodontitis, 14-15, 23, 27, 33, 67, 73 periodontitis-aggressive, 14 periodontitis-risk factors, 15 periodontitis-susceptibility, 14 personal dental service, 95 physical disability, 87 planning cycle, 84 Plaque index, 10, 14 policy—development, 2 poorly performing staff, 109 population—demographics, 9 population—specific groups, 86 population pyramid, 8 positive predictive value, 88 potassium chloride, 59

prevalence, 29

prevalence—definition, 9 prevalence—period, 9 prevalence—point, 9 prevention, 47 Prevotella intermedia, 23 PRISMA flow diagram, 38 prison dentistry, 86 private dental care, 97 Prochaska & DiClemente, 76-77 proportionate universalism, 53 prospective, 26, 33, 35 psychology, 3 public dental service, 95, 97 public health—approaches, 3 public health—core values, 3 pyrophosphate, 59 quality, 109 quality adjusted life year (QALY), 93 quality adjusted tooth year (QATY), 93 quid, 75 race, 101 randomization, 34-36 randomized controlled trial, 26, 34-37 randomized controlled trial—cross-over, 36-37 randomized controlled trial—split-mouth, 36-37 receiver operating characteristic (ROC) curve, 88-89 Registrar General, 45 relative risk, 32-33 remineralisation, 57 reproducibility—inter, 11 reproducibility-intra, 11 retrospective, 26, 30-31 risk-disease, 53 risk factors, 49 risk management, 109 Root Caries Index (RCI), 10 Rose, Geoffrey, 53 Royal College of Radiologists, 111 rural and remote communities, 99 saccharine, 69 Salaried Dental Service, 95 salary, 97 scarcity, 93 scope of practice, 103 Scottish Intercollegiate Guidelines Network (SIGN), 41 screening, 89 screening programme—criteria, 89 seat-belt laws, 47 Second World War, 67 sensitivity, 88 Sexual health, 49

skill-mix, 21, 102-103 slope index of inequality, 45 Smokefree and Smiling, 77 smoking, 15, 27, 33 smoking—cessation, 76-77 smoking-passive, 73 social class, 45 social enterprise company, 87 social marketing, 49 social network, 5 social-dental indicators, 11 socio-dental indicators of oral health, 11 sociology, 3 Special Care Dentistry, 86 specificity, 88 split-mouth study, 36-37 standardized data, 29 standardized mortality ratio (SMR), 9 Steele Review, 105 strategy—implementation, 3 strategy—development, 3 stratification, 35 strontium chloride, 59 study design, 26-27 substance misusers, 87 sugar, 23, 47, 66-67 sugar—frequency of consumption, 47 sugar-industry, 69 sugar—recommending intake, 69 sugar-substitutes, 69 sugar-tax, 47, 69 sugars-free, 69 sun screen, 49 supply, 84 survey, 29 sweet-free check-outs, 69 systematic review, 26, 38-40 systemic disease, 15 targets—oral health, 53 teachable moment, 81 test group, 34-36

targets—oral health, 53
teachable moment, 81
test group, 34–36
the nanny state, 81
Theory of Planned Behaviour, 51
Theory of Reasoned Action, 51
tobacco, 17, 27, 47, 73
tobacco—cessation, 48, 76–77
tobacco—control, 75
tobacco—dipping, 75
tobacco—epidemiology, 73
tobacco—smokeless, 23, 75
tobacco—smoking, 31, 33, 47–48, 73–75
tooth loss, 20
tooth loss—implications of, 21
tooth loss—reasons for, 21

shisha, see waterpipe

significant caries index, 13



tooth staining, 73, 75
tooth wear, 18–20
toothbrushing, 15, 47
toothbrushing—school-based, 63
toothpaste, 21, 47, 58–59
toothpaste—ingredients, 59
training, 21, 35
Trans-Theoretical Model of Change, 51, 76
traumatic dental injury, 19
travellers, 87
trial—arm, 35
trial—cluster randomized controlled, 35
Tristan da Cunha, 67
Turku studies, 67
Twitter, 49

UK Border Agency, 75 units of dental activity, 97 utility measure, 93 varenicline, 77 vending machines, 49, 69 Vipeholm, 67 Vitamin C deficiency (scurvy), 67

water fluoridation, *see* fluoridation
water fluoridation—alternatives, 63
water in schools, 69
waterpipe, 75
whistleblowing, 109
WHO Global Oral Health Programme, 22
workforce, 105
World Health Organisation (WHO), 22, 29
wound healing, 73

xylitol, 69

zinc citrate, 59







124

