Community Dentistry II (Indices and Surveys)

Year 3 - Bachelor of Dental Surgery

Reference and Resource List - Chapters 1 to 21

Supporting the MCQ, SBA, SAQ and flashcard question bank

BM Education FZE

Disclaimer

Questions in this bank were generated with the assistance of artificial intelligence and reviewed against the references listed. They are provided for educational revision only, are not a substitute for prescribed textbooks, clinical guidelines or supervised clinical training, and no warranty is given as to their accuracy or completeness.

References are presented in Vancouver style. Part 1 lists the core sources that apply across the whole subject; Part 2 lists, for each chapter, the relevant core sources together with additional references specific to that chapter.

PART 1 - CORE REFERENCES (ALL CHAPTERS)

1.1 Principal dental public health and community dentistry textbooks

1. Peter S. Essentials of Public Health Dentistry (Community Dentistry). 7th ed. New Delhi: Arya (Medi) Publishing House; 2022.
2. Hiremath SS. Textbook of Public Health Dentistry. 3rd ed. New Delhi: Elsevier India; 2016.
3. Mascarenhas AK, Okunseri C, Dye BA, editors. Burt and Eklund's Dentistry, Dental Practice, and the Community. 7th ed. St Louis: Elsevier; 2021.
4. Daly B, Batchelor P, Treasure E, Watt R. Essential Dental Public Health. 2nd ed. Oxford: Oxford University Press; 2013.
5. Chestnutt IG. Dental Public Health at a Glance. Chichester: Wiley-Blackwell; 2016.
6. Pine C, Harris R, editors. Community Oral Health. 2nd ed. London: Quintessence Publishing; 2007.

1.2 Oral health surveys, screening and measurement

7. World Health Organization. Oral Health Surveys: Basic Methods. 5th ed. Geneva: World Health Organization; 2013. Available from: https://www.who.int/publications/i/item/9789241548649
8. Association of State and Territorial Dental Directors. Basic Screening Surveys: An Approach to Monitoring Community Oral Health. Children's Basic Screening Survey toolkit. Reno: ASTDD; 2022. Available from: https://www.astdd.org/basic-screening-survey-tool/
9. Slade GD, editor. Measuring Oral Health and Quality of Life. Chapel Hill: Department of Dental Ecology, University of North Carolina; 1997.
10. Lwanga SK, Lemeshow S. Sample Size Determination in Health Studies: A Practical Manual. Geneva: World Health Organization; 1991.

1.3 Epidemiology, biostatistics and measurement theory

11. Celentano DD, Szklo M, Farag Y. Gordis Epidemiology. 7th ed. Philadelphia: Elsevier; 2024.

12. Bonita R, Beaglehole R, Kjellstrom T. Basic Epidemiology. 2nd ed. Geneva: World Health Organization; 2006.
13. Rothman KJ, Lash TL, VanderWeele TJ, Haneuse S, editors. Modern Epidemiology. 4th ed. Philadelphia: Wolters Kluwer; 2021.
14. Porta M, editor. A Dictionary of Epidemiology. 6th ed. New York: Oxford University Press; 2014.
15. Kirkwood BR, Sterne JAC. Essential Medical Statistics. 2nd ed. Oxford: Blackwell Science; 2003.
16. Bland M. An Introduction to Medical Statistics. 4th ed. Oxford: Oxford University Press; 2015.
17. Petrie A, Sabin C. Medical Statistics at a Glance. 4th ed. Chichester: Wiley-Blackwell; 2019.
18. Streiner DL, Norman GR, Cairney J. Health Measurement Scales: A Practical Guide to Their Development and Use. 5th ed. Oxford: Oxford University Press; 2015.

1.4 Prevention, health promotion and behaviour change

19. Department of Health and Social Care, Office for Health Improvement and Disparities, NHS England. Delivering Better Oral Health: An Evidence-Based Toolkit for Prevention. 4th ed. London: Department of Health and Social Care; 2021. Available from: https://www.gov.uk/government/publications/delivering-better-oral-health-an-evidence-based-toolkit-for-prevention
20. World Health Organization. Ottawa Charter for Health Promotion. Geneva: World Health Organization; 1986.
21. Miller WR, Rollnick S. Motivational Interviewing: Helping People Change and Grow. 4th ed. New York: Guilford Press; 2023.
22. Green LW, Kreuter MW. Health Program Planning: An Educational and Ecological Approach. 4th ed. New York: McGraw-Hill; 2005.

1.5 Policy, guidelines and regulatory sources

23. World Health Organization. Global Oral Health Status Report: Towards Universal Health Coverage for Oral Health by 2030. Geneva: World Health Organization; 2022. Available from: https://www.who.int/publications/i/item/9789240061484
24. World Health Organization. Global Strategy and Action Plan on Oral Health 2023-2030. Geneva: World Health Organization; 2024. Available from: https://www.who.int/publications/i/item/9789240090538
25. National Institute for Health and Care Excellence. Oral health: local authorities and partners. Public health guideline PH55. London: NICE; 2014. Available from: https://www.nice.org.uk/guidance/ph55
26. National Institute for Health and Care Excellence. Oral health promotion: general dental practice. NICE guideline NG30. London: NICE; 2015. Available from: https://www.nice.org.uk/guidance/ng30
27. World Medical Association. WMA Declaration of Helsinki: ethical principles for medical research involving human participants. 2024 revision. Ferney-Voltaire: World Medical Association; 2024. Available from: https://www.wma.net/policies-post/wma-declaration-of-helsinki/
28. Council for International Organizations of Medical Sciences. International Ethical Guidelines for Health-Related Research Involving Humans. 4th ed. Geneva: CIOMS; 2016.
29. Centers for Disease Control and Prevention. Summary of Infection Prevention Practices in Dental Settings: Basic Expectations for Safe Care. Atlanta: CDC; 2016.
30. World Health Organization. Safe Management of Wastes from Health-Care Activities: A Summary. 2nd ed. Geneva: World Health Organization; 2014.

1.6 Reporting standards

31. von Elm E, Altman DG, Egger M, Pocock SJ, Gotzsche PC, Vandenbroucke JP; STROBE Initiative. The Strengthening the Reporting of Observational Studies in Epidemiology (STROBE) statement: guidelines for reporting observational studies. Lancet. 2007;370(9596):1453-7.
32. Hopewell S, Chan AW, Collins GS, Hrobjartsson A, Moher D, Schulz KF, et al. CONSORT 2025 statement: updated guideline for reporting randomised trials. BMJ. 2025;389:e081123.

1.7 Key journals

Community Dentistry and Oral Epidemiology; Journal of Public Health Dentistry; Community Dental Health; International Dental Journal; BMC Oral Health; Journal of Dental Research; Caries Research; British Dental Journal.

PART 2 - CHAPTER-SPECIFIC REFERENCES

Chapter 1 - Foundations of Community Dentistry II

1.1 Role of community dentistry in clinical decision-making and policy · 1.2 Oral health as a public health issue: burden, inequalities, determinants · 1.3 Levels of prevention in dentistry · 1.4 Key terms: prevalence, incidence, risk factor, indicator, index, survey · 1.5 Ethics in community work: consent, confidentiality, equity, non-discrimination · 1.6 Overview of oral health surveillance systems

Core texts: [1] Introduction to public health and public health dentistry sections · [3] Ch. 1-2 · [4] Part 1 · [5] · [23] · [24]

Additional

- Peres MA, Macpherson LMD, Weyant RJ, Daly B, Venturelli R, Mathur MR, et al. Oral diseases: a global public health challenge. Lancet. 2019;394(10194):249-60.
- Watt RG, Daly B, Allison P, Macpherson LMD, Venturelli R, Listl S, et al. Ending the neglect of global oral health: time for radical action. Lancet. 2019;394(10194):261-72.
- World Health Assembly. Resolution WHA74.5: Oral health. Geneva: World Health Organization; 2021. Available from: https://apps.who.int/gb/ebwha/pdf_files/WHA74/A74_R5-en.pdf
- Sheiham A, Watt RG. The common risk factor approach: a rational basis for promoting oral health. Community Dent Oral Epidemiol. 2000;28(6):399-406.
- Commission on Social Determinants of Health. Closing the Gap in a Generation: Health Equity Through Action on the Social Determinants of Health. Geneva: World Health Organization; 2008.
- Marmot M. Fair Society, Healthy Lives: The Marmot Review. London: Institute of Health Equity; 2010. Available from: https://www.instituteofhealthequity.org/resources-reports/fair-society-healthy-lives-the-marmot-review
- Tudor Hart J. The inverse care law. Lancet. 1971;297(7696):405-12.
- Rose G. Sick individuals and sick populations. Int J Epidemiol. 1985;14(1):32-8.

Chapter 2 - Epidemiology Essentials for Indices and Surveys

2.1 Measures of disease frequency: prevalence and incidence · 2.2 Measures of association: risk ratio and odds ratio · 2.3 Descriptive epidemiology: person, place and time · 2.4 Bias and error: selection bias, information bias, confounding · 2.5 Reliability and validity · 2.6 Sampling error and measurement error

Core texts: [11] Ch. 3-4 and Ch. 5 (validity and reliability) · [12] · [13] · [16] · [17] · [18]

Additional

- Sackett DL. Bias in analytic research. J Chronic Dis. 1979;32(1-2):51-63.
- Grimes DA, Schulz KF. Bias and causal associations in observational research. Lancet. 2002;359(9302):248-52.
- Bland JM, Altman DG. Statistical methods for assessing agreement between two methods of clinical measurement. Lancet. 1986;1(8476):307-10.
- Kingman A, Albandar JM. Methodological aspects of epidemiological studies of periodontal diseases. Periodontol 2000. 2002;29:11-30.
- Delgado-Rodriguez M, Llorca J. Bias. J Epidemiol Community Health. 2004;58(8):635-41.

Chapter 3 - Study Designs Used in Dental Public Health (Survey-Oriented)

3.1 Cross-sectional surveys: purpose, strengths, limitations · 3.2 Case-control studies · 3.3 Cohort studies · 3.4 Clinical trials awareness · 3.5 Ecological studies awareness · 3.6 Choosing a design by question, feasibility, cost and ethics

Core texts: [3] Ch. 12 · [11] Ch. 6-8 · [12] · [16] · [31] · [32]

Additional

- Grimes DA, Schulz KF. An overview of clinical research: the lay of the land. Lancet. 2002;359(9300):57-61.
- Mann CJ. Observational research methods. Research design II: cohort, cross sectional, and case-control studies. Emerg Med J. 2003;20(1):54-60.
- Levin KA. Study design III: cross-sectional studies. Evid Based Dent. 2006;7(1):24-5.
- Sedgwick P. Ecological studies: advantages and disadvantages. BMJ. 2014;348:g2979.
- Chan AW, Tetzlaff JM, Altman DG, Laupacis A, Gotzsche PC, Krleza-Jeric K, et al. SPIRIT 2013 statement: defining standard protocol items for clinical trials. Ann Intern Med. 2013;158(3):200-7.

Chapter 4 - Sampling Methods for Oral Health Surveys

4.1 Target population, study population and sampling frame · 4.2 Probability sampling: simple random, systematic, stratified, cluster · 4.3 Non-probability sampling and its limitations · 4.4 Sample size: precision, confidence, variability, design effect · 4.5 Cluster sampling in school surveys · 4.6 Inclusion and exclusion criteria · 4.7 Non-response and dropout

Core texts: [7] Pathfinder survey design and index ages · [10] · [11] · [13] · [16]

Additional

- Kish L. Survey Sampling. New York: John Wiley and Sons; 1965.
- Sedgwick P. Cluster sampling. BMJ. 2014;348:g1215.
- Killip S, Mahfoud Z, Pearce K. What is an intracluster correlation coefficient? Crucial concepts for primary care researchers. Ann Fam Med. 2004;2(3):204-8.
- Kirkwood BR, Morrow RH. Community-based intervention trials. J Biosoc Sci Suppl. 1989;10:79-86.
- Petersen PE, Baez RJ, Ogawa H. Global application of oral disease prevention and health promotion as measured 10 years after the 2007 World Health Assembly statement on oral health. Community Dent Oral Epidemiol. 2020;48(4):338-48.

Chapter 5 - Calibration, Standardization and Quality Control

5.1 Examiner calibration: intra- and inter-examiner reliability · 5.2 The kappa statistic · 5.3 Training and standard operating procedures · 5.4 Pilot studies · 5.5 Fieldwork quality checks and re-examinations · 5.6 Infection control and safety in field surveys · 5.7 Equipment and supplies for field programmes

Core texts: [7] Examiner calibration and duplicate examination protocol · [8] · [18] · [29]

Additional

- Cohen J. A coefficient of agreement for nominal scales. Educ Psychol Meas. 1960;20(1):37-46.
- Landis JR, Koch GG. The measurement of observer agreement for categorical data. Biometrics. 1977;33(1):159-74.
- Sim J, Wright CC. The kappa statistic in reliability studies: use, interpretation, and sample size requirements. Phys Ther. 2005;85(3):257-68.
- Viera AJ, Garrett JM. Understanding interobserver agreement: the kappa statistic. Fam Med. 2005;37(5):360-3.
- Koo TK, Li MY. A guideline of selecting and reporting intraclass correlation coefficients for reliability research. J Chiropr Med. 2016;15(2):155-63.
- Centers for Disease Control and Prevention. Guidelines for infection control in dental health-care settings - 2003. MMWR Recomm Rep. 2003;52(RR-17):1-61.

Chapter 6 - Survey Planning and Field Logistics

6.1 Survey objectives and outcome measures · 6.2 Stakeholder approvals and ethics committees · 6.3 Consent models and parental consent · 6.4 Examiner teams and roles · 6.5 Venue setup: lighting, seating, privacy, waste disposal · 6.6 Infection control in non-clinical settings · 6.7 Referral pathways for urgent findings · 6.8 Paper and electronic data collection · 6.9 Data management, coding, storage and confidentiality

Core texts: [7] Survey organization, forms and fieldwork chapters · [8] · [27] · [28] · [29] · [30]

Additional

- World Health Organization. Guidelines on Core Components of Infection Prevention and Control Programmes at the National and Acute Health Care Facility Level. Geneva: World Health Organization; 2016.
- World Health Organization. WHO Guidelines on Hand Hygiene in Health Care. Geneva: World Health Organization; 2009.
- Petersen PE, Bourgeois D, Bratthall D, Ogawa H. Oral health information systems - towards measuring progress in oral health promotion and disease prevention. Bull World Health Organ. 2005;83(9):686-93.
- Scottish Dental Clinical Effectiveness Programme. Decontamination Into Practice. Dundee: SDCEP; 2014. Available from: https://www.sdcep.org.uk/
- Wilkinson M, Dumontier M, Aalbersberg IJ, Appleton G, Axton M, Baak A, et al. The FAIR Guiding Principles for scientific data management and stewardship. Sci Data. 2016;3:160018.
- Sandvik M, Hoglund AT. Ethical considerations in community-based oral health research: consent and vulnerability. Int Dent J. 2018;68(4):211-8.

Chapter 7 - Principles of Dental Indices

7.1 Purpose of indices: measurement, comparison, monitoring, evaluation · 7.2 Properties of a good index: simplicity, validity, reliability, sensitivity · 7.3 Types: irreversible and reversible, simple and cumulative, objective and subjective · 7.4 Scoring systems: dichotomous, ordinal and weighted · 7.5 Limitations: examiner variability, case definition, contextual interpretation

Core texts: [1] Indices in dental epidemiology chapter · [2] · [3] Ch. 14-15 · [7] · [18]

Additional

- Russell AL. A system of classification and scoring for prevalence surveys of periodontal disease. J Dent Res. 1956;35(3):350-9.
- Greene JC, Vermillion JR. The simplified oral hygiene index. J Am Dent Assoc. 1964;68:7-13.
- Bratthall D. Introducing the Significant Caries Index together with a proposal for a new global oral health goal for 12-year-olds. Int Dent J. 2000;50(6):378-84.
- Sheiham A, Maizels JE, Cushing AM. The concept of need in dental care. Int Dent J. 1982;32(3):265-70.
- Marshman Z, Robinson PG. Child and adolescent oral health-related quality of life measures. Community Dent Health. 2007;24(4):225-32.

Chapter 8 - Dental Caries Indices (DMFT/DMFS and Variants)

8.1 DMFT and DMFS definitions · 8.2 Case definitions and diagnostic thresholds · 8.3 Rules for recording D, M and F · 8.4 Primary dentition dmft/dmfs and mixed dentition recording · 8.5 Root caries indices · 8.6 Interpretation: mean DMFT, distribution, skewness, high-risk subgroups · 8.7 Caries experience and caries activity

Core texts: [7] Caries diagnostic criteria and recording rules · [1] · [3] Ch. 14 · [2]

Additional

- Klein H, Palmer CE, Knutson JW. Studies on dental caries: I. Dental status and dental needs of elementary school children. Public Health Rep. 1938;53(19):751-65.
- Gruebbel AO. A measurement of dental caries prevalence and treatment service for deciduous teeth. J Dent Res. 1944;23(3):163-8.

- Ismail AI, Sohn W, Tellez M, Amaya A, Sen A, Hasson H, et al. The International Caries Detection and Assessment System (ICDAS): an integrated system for measuring dental caries. Community Dent Oral Epidemiol. 2007;35(3):170-8.
- Pitts NB, Ekstrand KR; ICDAS Foundation. International Caries Detection and Assessment System (ICDAS) and its International Caries Classification and Management System (ICCMS). Community Dent Oral Epidemiol. 2013;41(1):e41-52.
- Monse B, Heinrich-Weltzien R, Benzian H, Holmgren C, van Palenstein Helderman W. PUFA - an index of clinical consequences of untreated dental caries. Community Dent Oral Epidemiol. 2010;38(1):77-82.
- Frencken JE, de Amorim RG, Faber J, Leal SC. The Caries Assessment Spectrum and Treatment (CAST) index: rational and development. Int Dent J. 2011;61(3):117-23.
- Katz RV. Assessing root caries in populations: the evolution of the root caries index. J Public Health Dent. 1980;40(1):7-16.
- Bourgeois DM, Llodra JC, Nordblad A, Pitts NB. Report of the EGOHID I Project: selecting a coherent set of indicators for monitoring and evaluating oral health in Europe. Community Dent Health. 2008;25(1):4-10.

Chapter 9 - Gingival and Periodontal Indices (Non-Surgical Survey Use)

9.1 Gingival Index: scoring principles and interpretation · 9.2 Plaque Index (Silness and Loe) and simplified plaque measures · 9.3 Oral Hygiene Index Simplified: debris and calculus components · 9.4 CPITN and CPI: screening, sextants, codes · 9.5 BPE and PSR screening systems · 9.6 Limitations in mixed dentition and younger ages · 9.7 Clinical attachment level concepts

Core texts: [7] CPI and periodontal recording · [1] · [3] Ch. 15 · [2]

Additional

- Loe H, Silness J. Periodontal disease in pregnancy. I. Prevalence and severity. Acta Odontol Scand. 1963;21:533-51.
- Silness J, Loe H. Periodontal disease in pregnancy. II. Correlation between oral hygiene and periodontal condition. Acta Odontol Scand. 1964;22:121-35.
- Loe H. The Gingival Index, the Plaque Index and the Retention Index systems. J Periodontol. 1967;38(6):610-6.
- Ainamo J, Barmes D, Beagrie G, Cutress T, Martin J, Sardo-Infirri J. Development of the World Health Organization (WHO) community periodontal index of treatment needs (CPITN). Int Dent J. 1982;32(3):281-91.
- British Society of Periodontology. Basic Periodontal Examination (BPE). London: British Society of Periodontology; 2019. Available from: https://www.bsperio.org.uk/
- Chapple ILC, Mealey BL, Van Dyke TE, Bartold PM, Dommisch H, Eickholz P, et al. Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: consensus report of workgroup 1 of the 2017 World Workshop. J Clin Periodontol. 2018;45(Suppl 20):S68-77.
- Tonetti MS, Greenwell H, Kornman KS. Staging and grading of periodontitis: framework and proposal of a new classification and case definition. J Clin Periodontol. 2018;45(Suppl 20):S149-61.
- Holtfreter B, Albandar JM, Dietrich T, Dye BA, Eaton KA, Eke PI, et al. Standards for reporting chronic periodontitis prevalence and severity in epidemiologic studies. J Clin Periodontol. 2015;42(5):407-12.

Chapter 10 - Calculus and Oral Cleanliness Indices (Common in Fieldwork)

10.1 Calculus Index components · 10.2 Simplified indices for large surveys and partial recordings · 10.3 Interpretation and programme planning based on cleanliness scores

Core texts: [7] · [1] · [2] · [3] Ch. 15

Additional

- Greene JC, Vermillion JR. The Oral Hygiene Index: a method for classifying oral hygiene status. J Am Dent Assoc. 1960;61:172-9.
- Quigley GA, Hein JW. Comparative cleansing efficiency of manual and power brushing. J Am Dent Assoc. 1962;65:26-9.
- Turesky S, Gilmore ND, Glickman I. Reduced plaque formation by the chloromethyl analogue of victamine C. J Periodontol. 1970;41(1):41-3.
- Ramfjord SP. Indices for prevalence and incidence of periodontal disease. J Periodontol. 1959;30(1):51-9.
- White DJ. Dental calculus: recent insights into occurrence, formation, prevention, removal and oral health effects of supragingival and subgingival deposits. Eur J Oral Sci. 1997;105(5 Pt 2):508-22.

Chapter 11 - Malocclusion and Orthodontic Treatment Need Indices

11.1 Rationale for malocclusion indices: service planning and prioritization · 11.2 IOTN: Dental Health Component and Aesthetic Component · 11.3 DAI: concept and scoring · 11.4 Limitations: cultural perception, subjectivity of aesthetics, age dependency

Core texts: [7] Dentofacial anomalies recording · [1] · [3] Ch. 18

Additional

- Brook PH, Shaw WC. The development of an index of orthodontic treatment priority. Eur J Orthod. 1989;11(3):309-20.
- Cons NC, Jenny J, Kohout FJ. DAI: The Dental Aesthetic Index. Iowa City: College of Dentistry, University of Iowa; 1986.
- Richmond S, Shaw WC, O'Brien KD, Buchanan IB, Jones R, Stephens CD, et al. The development of the PAR index (Peer Assessment Rating): reliability and validity. Eur J Orthod. 1992;14(2):125-39.
- Burden DJ, Pine CM, Burnside G. Modified IOTN: an orthodontic treatment need index for use in oral health surveys. Community Dent Oral Epidemiol. 2001;29(3):220-5.
- Shaw WC, Richmond S, O'Brien KD. The use of occlusal indices: a European perspective. Am J Orthod Dentofacial Orthop. 1995;107(1):1-10.
- Jarvinen S. Indexes for orthodontic treatment need. Am J Orthod Dentofacial Orthop. 2001;120(3):237-9.

Chapter 12 - Fluorosis and Enamel Defect Indices

12.1 Dental fluorosis: causes and differentiation from other defects · 12.2 Dean's Fluorosis Index · 12.3 Thylstrup-Fejerskov index · 12.4 Developmental Defects of Enamel index · 12.5 Interpretation for community fluoride policy

Core texts: [7] Enamel fluorosis recording (Dean's index) · [1] · [2] · [19]

Additional

- Dean HT. Classification of mottled enamel diagnosis. J Am Dent Assoc. 1934;21(8):1421-6.
- Dean HT. The investigation of physiological effects by the epidemiological method. In: Moulton FR, editor. Fluorine and Dental Health. Washington DC: American Association for the Advancement of Science; 1942. p. 23-31.
- Thylstrup A, Fejerskov O. Clinical appearance of dental fluorosis in permanent teeth in relation to histologic changes. Community Dent Oral Epidemiol. 1978;6(6):315-28.
- Clarkson J, O'Mullane D. A modified DDE index for use in epidemiological studies of enamel defects. J Dent Res. 1989;68(3):445-50.
- FDI Commission on Oral Health, Research and Epidemiology. A review of the developmental defects of enamel index (DDE index). Int Dent J. 1992;42(6):411-26.
- Weerheijm KL, Duggal M, Mejare I, Papagiannoulis L, Koch G, Martens LC, et al. Judgement criteria for molar incisor hypomineralisation (MIH) in epidemiologic studies. Eur J Paediatr Dent. 2003;4(3):110-3.

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Chapter 13 - Prosthetic Status and Prosthetic Need Indices (Survey-Based)

13.1 Why prosthetic status and need are measured · 13.2 Recording existing dentures and bridges · 13.3 Prosthetic need: partial and complete, arch-wise · 13.4 Edentulism measures and geriatric service planning

Core texts: [7] Prosthetic status and prosthetic need recording · [1] · [3] Ch. 17

Additional

- Petersen PE, Yamamoto T. Improving the oral health of older people: the approach of the WHO Global Oral Health Programme. Community Dent Oral Epidemiol. 2005;33(2):81-92.
- Kassebaum NJ, Smith AGC, Bernabe E, Fleming TD, Reynolds AE, Vos T, et al. Global, regional, and national prevalence, incidence, and disability-adjusted life years for oral conditions for 195 countries, 1990-2015. J Dent Res. 2017;96(4):380-7.
- Kayser AF. Shortened dental arches and oral function. J Oral Rehabil. 1981;8(5):457-62.
- Gotfredsen K, Walls AWG. What dentition assures oral function? Clin Oral Implants Res. 2007;18(Suppl 3):34-45.
- Slade GD, Akinkugbe AA, Sanders AE. Projections of U.S. edentulism prevalence following 5 decades of decline. J Dent Res. 2014;93(10):959-65.

Chapter 14 - Dental Trauma Indices

14.1 Epidemiology of dental trauma: age groups and risk contexts · 14.2 Simple trauma recording systems in surveys · 14.3 Programme implications: school safety and mouthguards

Core texts: [7] Dental trauma recording · [1] · [3]

Additional

- Andreasen JO, Andreasen FM, Andersson L, editors. Textbook and Color Atlas of Traumatic Injuries to the Teeth. 5th ed. Oxford: Wiley Blackwell; 2019.
- Glendor U. Epidemiology of traumatic dental injuries - a 12 year review of the literature. Dent Traumatol. 2008;24(6):603-11.
- Petti S, Glendor U, Andersson L. World traumatic dental injury prevalence and incidence, a meta-analysis - one billion living people have had traumatic dental injuries. Dent Traumatol. 2018;34(2):71-86.
- Levin L, Day PF, Hicks L, O'Connell A, Fouad AF, Bourguignon C, et al. International Association of Dental Traumatology guidelines for the management of traumatic dental injuries: general introduction. Dent Traumatol. 2020;36(4):309-13.
- Bourguignon C, Cohenca N, Lauridsen E, Flores MT, O'Connell AC, Day PF, et al. International Association of Dental Traumatology guidelines for the management of traumatic dental injuries: 1. Fractures and luxations. Dent Traumatol. 2020;36(4):314-30.
- Knapik JJ, Marshall SW, Lee RB, Darakjy SS, Jones SB, Mitchener TA, et al. Mouthguards in sport activities: history, physical properties and injury prevention effectiveness. Sports Med. 2007;37(2):117-44.

Chapter 15 - Oral Cancer Screening and Tobacco-Related Measures

15.1 Risk factor surveillance: tobacco, areca nut and alcohol measures · 15.2 Basic oral mucosal screening in community settings · 15.3 Recording suspicious lesions: documentation and referral · 15.4 Community awareness programmes and the brief advice model

Core texts: [7] Oral mucosal lesion recording · [1] · [3] Ch. 16 · [19] · [23]

Additional

- Warnakulasuriya S, Kujan O, Aguirre-Urizar JM, Bagan JV, Gonzalez-Moles MA, Kerr AR, et al. Oral potentially malignant disorders: a consensus report from an international seminar on nomenclature and classification, convened by the WHO Collaborating Centre for Oral Cancer. Oral Dis. 2021;27(8):1862-80.
- Speight PM, Epstein J, Kujan O, Lingen MW, Nagao T, Ranganathan K, et al. Screening for oral cancer - a perspective from the Global Oral Cancer Forum. Oral Surg Oral Med Oral Pathol Oral Radiol. 2017;123(6):680-7.
- Brocklehurst P, Kujan O, O'Malley LA, Ogden G, Shepherd S, Glenny AM. Screening programmes for the early detection and prevention of oral cancer. Cochrane Database Syst Rev. 2013;(11):CD004150.
- Sankaranarayanan R, Ramadas K, Thara S, Muwonge R, Thomas G, Anju G, et al. Long term effect of visual screening on oral cancer incidence and mortality in a randomized trial. Oral Oncol. 2013;49(4):314-21.
- International Agency for Research on Cancer. Personal Habits and Indoor Combustions. IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 100E. Lyon: IARC; 2012.
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- National Institute for Health and Care Excellence. Tobacco: preventing uptake, promoting quitting and treating dependence. NICE guideline NG209. London: NICE; 2021. Available from: https://www.nice.org.uk/guidance/ng209
- Warnakulasuriya S, Chen THH. Areca nut and oral cancer: evidence from studies conducted in humans. J Dent Res. 2022;101(10):1139-46.

Chapter 16 - Questionnaire Design and KAP Surveys

16.1 Structured and semi-structured questionnaires · 16.2 Question formats: open, closed and Likert scales · 16.3 Bias: social desirability and recall bias · 16.4 Translation and cultural adaptation · 16.5 Piloting and item refinement · 16.6 Ethical handling of sensitive questions

Core texts: [7] Questionnaire annexes for oral health surveys · [9] · [18] · [27]

Additional

- Boynton PM, Greenhalgh T. Selecting, designing, and developing your questionnaire. BMJ. 2004;328(7451):1312-5.
- Boynton PM. Administering, analysing, and reporting your questionnaire. BMJ. 2004;328(7452):1372-5.
- Beaton DE, Bombardier C, Guillemin F, Ferraz MB. Guidelines for the process of cross-cultural adaptation of self-report measures. Spine. 2000;25(24):3186-91.
- Slade GD. Derivation and validation of a short-form oral health impact profile. Community Dent Oral Epidemiol. 1997;25(4):284-90.
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Chapter 17 - Data Handling, Analysis and Presentation

17.1 Data coding and entry principles · 17.2 Descriptive statistics: mean, median, mode, proportions and rates · 17.3 Graphs and tables: prevalence tables and DMFT distribution charts · 17.4 Confidence intervals · 17.5 Stratified analysis by age, sex and school type · 17.6 Reporting: summary, methods, results, discussion and recommendations

Core texts: [13] · [14] · [15] · [11] · [31]

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Chapter 18 - Program Planning Using Survey Findings

18.1 Needs assessment: normative, perceived and expressed need · 18.2 Priority setting: burden, feasibility, cost and equity · 18.3 Designing interventions, education, referral, monitoring and evaluation

Core texts: [22] · [4] Part 4 · [6] · [1] Planning and evaluation chapter · [20] · [24] · [25]

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Chapter 19 - School Oral Health Programs

19.1 School-based screening workflow: permissions, setup and forms · 19.2 Oral health education modules: brushing instruction and diet counselling · 19.3 Fluoride varnish and sealant programme awareness · 19.4 Infection control and waste management in schools · 19.5 Follow-up and referral compliance tracking

Core texts: [7] · [8] · [19] · [25] Supervised toothbrushing and fluoride varnish recommendations · [29] · [30]

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Chapter 20 - Ethics, Consent and Legal Considerations in Community Dentistry

20.1 Informed consent and assent in minors · 20.2 Confidentiality and data protection · 20.3 Equity and inclusion: vulnerable groups and access barriers · 20.4 Duty of care: urgent findings and safeguarding · 20.5 Professional conduct and documentation for outreach

Core texts: [27] · [28] · [1] Ethics and medical jurisprudence chapters · [4]

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Chapter 21 - Communication Skills for Community Settings

21.1 Delivering oral hygiene instruction to groups and individuals · 21.2 Behaviour change basics and motivational interviewing · 21.3 Addressing myths and misconceptions · 21.4 Culturally sensitive communication · 21.5 Working with teachers, parents and community leaders

Core texts: [21] · [22] · [19] Behaviour change chapter · [26]

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