

## References

Thai dental profession act B.E. 2534(1997), 1997.

Abelsen B, Olsen J: Task division between dentists and dental hygienists in Norway. *Community Dent Oral Epidemiol* 2008; 36:558-566.

Adulyanon A, Vourapukjaru A, Sheiham A: Oral impacts affecting daily performance in a low dental disease thai population. *Community Dent Oral Epidemiol* 1996; 24:385-9.

Ahlberg K. The careers of women dentists in the university. *Int Dent J* 1990; 40:135-8.

American Dental Association: Future in dentistry. Chicago, IL, American Dental Association, 2001.

Arnadóttir IB, Holbrook WP, Agútsdóttir H, Saemundsson SR. A 6-year longitudinal study of caries in teenagers and the effect of "dropouts" on the findings.

*Community Dent Health* 2010; 27:172-7.

Atchison K, Dolan T. Development of the geriatric oral health assessment index. *J Dent Educ* 1990; 54:680- 7.

Ayers KM, Thomson WM, Rich AM, Newton JT. Gender differences in dentists' working practices and job satisfaction. *J Dent* 2008; 36:343-50.

Batchelor P, Sheiham A. The limitations of a 'high-risk' approach for the prevention of dental caries. *Community Dent Oral Epidemiol* 2002; 30:302-12.

Batchelor P, Sheiham A. Grouping of tooth surfaces by susceptibility to caries: a study in 5-16 year-old children. *BMC Oral Health* 2004; 4: 2.

Beazoglou T, Heffley D, Bailit H, Brown LJ. Output and productivity in dental care. In: *Studies of Dental Workforce*. Eds. Brown LJ, Nash KD. Dental Health Policy Analysis Series. Chicago: American Dental Association; 2001.

Blasius JJ, Pae EK. Work-pattern differences between male and female orthodontists. *Am J Orthod Dentofacial Orthop* 2005; 128:283-90.

Bradshaw JS. A taxonomy of social need. In: McLachlan G (ed). *Problems and progress in medical care, Seventh Series*. Oxford: Oxford University Press 1972; 69-82.

Brennan DS, Spencer AJ, Szuster FS. Difference in time devoted to practice by male and female dentists. *Br Dent J* 1992; 172: 347-9.

Bronkhorst EM, Truin GJ, Batchelor P, Sheiham A. Health through oral health; guidelines for planning and monitoring for oral health care: a critical comment on the WHO model. *J Public Health Dent* 1991; 51:223-7.

Brown LJ, Lazar V. Trends in the dental health work force. *J Am Dent Assoc* 1999; 130:1743-9.

Buchan J: Determining skill mix: Lessons from an international review. *Human Resource Develop J* 1999; 3:80-90.

Buchan J, Calman L: Skill-Mix and Policy Change in the Health Workforce: Nurses in Advanced Roles, OECD Health Working Paper. Paris 2004.

Buchan J, O'May F: Determining skill mix: Practical guidelines for managers and health professionals. *Human Resource Develop J* 2000; 4: 111-8.

Buchan J, Poz MRD: Skill mix in the health care workforce: Reviewing the evidence. *Bull World Health Organ* 2002; 80:575-80.

Bureau of Policy and Strategy, Ministry of Public Health. Report on Health Resources. <http://bps.ops.moph.go.th/index.php?mod=bps&doc=5>, 2011.

Burman N: Attitudes to the training and utilisation of dental auxiliaries in Western Australia. *Aust Dent J* 1987; 32:132- 5.

Casamassimo PS, Harms KA, Parrish JL, Staubach JW: Future of dentistry: The dental workforce. *J Am Dent Assoc* 2002; 133:1220-25.

Cushing A, Sheiham A, Maizels J: Developing socio-dental indicators – the social impact of dental disease. *Community Dent Health* 1986; 3:3-17.

de Oliveira CM, Sheiham A, Tsakos G, O'Brien KD. Oral health-related quality of life and the IOTN index as predictors of children's perceived needs and acceptance for orthodontic treatment. *Br Dent J* 2008; 204:1-5

Dental Faculty Consortium of Thailand. Dental personnel in dental public health system in Thailand. Khonkaen: 1993.

Dental Public Health Division, Department of Health: Dental manpower development to achieve oral health for all by the year 2000. Bangkok, 1986.

Dental Public Health Division, Department of Health: Report on Oral Health Status 1983-1998. Nonthaburi, 2000.

Dental Public Health Division, Department of Health: The 6th Thailand national oral health survey. Nonthaburi, 2008.

Dental Public Health Division, Department of Health, Ministry of Public Health. Dental manpower development to achieve oral health for all by the year 2000. Bangkok; 1986.

Dreesch N, Dolea C, Dal Poz MR, Goubarev A, Adams O, Aregawi M, Bergstrom K, Fogstad H, Sheratt D, Linkins J, Scherpbier R, Youssef-Fox M: An approach to estimating human resource requirements to achieve the Millennium Development Goals. *Health Policy and Planning* 2005; 20:267-76

Evans C, Chestnutt I, Chadwick B: The potential for delegation of clinical care in general dental practice. *Br Dent J* 2007; 203:695-99.

Faculty of Dentistry MU: Dental assistant curriculum.

[http://www.dt.mahidol.ac.th/thai/index.php?option=com\\_content&task=view&id=112&Itemid=140](http://www.dt.mahidol.ac.th/thai/index.php?option=com_content&task=view&id=112&Itemid=140).

Falcon H. Summary of: Modelling workforce skill-mix: how can dental professionals meet the needs and demands of older people in England? *Br Dent J* 2010; 208: 116-7.

FDI Dental Practice Committee: Oral health workforce planning for developed countries. *Int Dent J* 2005; 55:42-4.

Fulop T, Roemer M. Reviewing Health Manpower Development, A Method of Improving National Health System, Geneva: World Health Organisation; 1987.

Gallagher J, Wright D: General dental practitioners' knowledge of and attitudes towards the employment of dental therapists in general practice. *Br Dent J* 2003; 194:37-41.

Gallagher JE, Kleinman ER, Harper PR. Modelling workforce skill-mix: how can dental professionals meet the needs and demands of older people in England? *Br Dent J* 2010; 208: E6.

Gherunpong S, Tsakos G, Sheiham A. Developing and evaluating an oral health-related quality of life index for children; the CHILD-OIDP. *Community Dent Health* 2004; 21:161-9.

Gherunpong S, Sheiham A, Tsakos G: A sociodental approach to assessing children's oral health needs: Integrating an oral health-related quality of life (OHRQoL) measure into oral health service planning. *Bull World Health Organ* 2006a; 84:36-42.

Gherunpong S, Tsakos G, Sheiham A. A socio-dental approach to assessing children's orthodontic needs. *Eur J Orthod* 2006b; 28:393-9.

Gherunpong S, Tsakos G, Sheiham A. A sociodental approach to assessing dental needs of children: concept and models. *Int J Paediatr Dent* 2006c; 16:81-8.

Grover C, Wirick J: A multiple equation model of demand for health care. *Health Serv Res* 1966; 1:301-46.

Hall TL. Demand; In Hall TL and Mejia A ed. *Health Manpower Planning: Principles, Methods, Issues*, Geneva: World Health Organization, 1978.

Hall TL and Mejia A ed. *Health Manpower Planning: Principles, Methods, Issues*, Geneva: World Health Organization, 1978.

Hannigan A, O'Mullane DM, Barry D, Schäfer F, Roberts AJ. A caries susceptibility classification of tooth surfaces by survival time. *Caries Res* 2000; 34: 103-8.

Hebling E, Pereira AC: Oral health-related quality of life: A critical appraisal of assessment tools used in elderly people. *Gerodontology* 2007; 24:151-61.

Hopcraft M, Morgan M. Pattern of dental caries experience on tooth surfaces in an adult population. *Community Dent Oral Epidemiol* 2006; 34: 174-83.

Hornby P, Ray D, Shipp P, Hall T. *Guidelines for health manpower planning*. Geneva: World Health Organisation; 1980.

Holler, I. and Machans, N. *Concept of Dental Health for All in the Year 2000*. World Health Organization. Cited in Office of the Permanent Secretary, Ministry of University Affairs. *Report on Increase Production of Dental Graduates by Ministry of University Affairs to the Cabinet*. Bangkok: Chulalongkorn University Press; 1989. (Thai)

Järvinen S. Epidemiologic characteristics of dental caries: relation of DMFS to DMFT. *Community Dent Oral Epidemiol* 1983; 11: 363-6.

Jirapongsa W, Prasertsom P, Wongkongkathep S. Oral Health Care System in Thailand. Nonthaburi: Department of Health, Division of Dental Public Health; 2004 (Thai)

Joint FDI/WHO Working Group. Health through oral health – Guideline for Planning and Monitoring Oral Health Care. London: Quintessence Publishing Company Ltd; 1989.

Kahn AA, Sithole WD: Oral health manpower projection methods and their implications for developing countries: The case of Zimbabwe. *Bull World Health Organ* 1991; 69: 339-46.

Kanwanit S: 50 years Chulalongkorn dental school, Tham Aksorn publishing, 1990.

Katrova LG: Gender impact on the socioprofessional identification of women dentists in Bulgaria. *J Dent Educ* 2004; 68:19-22.

Knutson JW: Epidemiological trend patterns of dental caries prevalence data. *J Am Dent Assoc* 1958; 57:821-9.

Korwanich N, Wanachantararak S, Mahawan B, Suksu-art N. Three-Year Study Dental Caries Status of Karen Hill Tribe Students in Thailand. Unpublished. 2010.

Laloo R, McMillan W, Gugushe TS, Ligthelm AJ, Evans WG, Moola MH. Gender and race distribution of dental graduates (1985-2004) and first year dental students (2000-2005) in South Africa. *SADJ* 2005; 60:206-9.

Leao A, Sheiham A: Relation between clinical dental status and subjective impacts on daily living. *J Dent Res* 1995; 74:1408-13.

Locker D: Measuring oral health: A conceptual framework. *Community Dent Health* 1988; 5:3-18.

Mathews RW, Scully C. Working patterns of male and female dentists in the UK. *Br Dent J* 1994; 176:463-6.

Maizels J, Maizels A, Sheiham A. Sociodental approach to the identification of dental treatment-need groups. *Community Dent Oral Epidemiol* 1993; 21:340-6.

Ministry of Public Health, Working Group on Studying and Reviewing Medical and Public Health Manpower, Dental Health Group. Estimation of Dental Health Manpower in the Next 10 Years (2008-2017). Bangkok; 2009.

Naidoo S: Women in dentistry in South Africa: A survey of their experiences and opinions. *SADJ* 2005; 60:284-8.

Newton JT, Thorogood N, Gibbons DE. The work patterns of male and female dental practitioners in the United Kingdom. *Int Dent J* 2000; 50:61-8.

Newton JT, Bower EJ. The social determinants of health: new approaches to conceptualizing and researching complex causal networks. *Community Dent Oral Epidemiol* 2005; 33:25-34.



Office of the National Economic and Social Developmental Board. Population Projections for Thailand 2000-2030. Bangkok; 2007

Praboromrajchanok Institute: Curriculum on public health (dental science) 2009.

Rattananangsim K, Prasertsom P: Oral health status, diet consumption behavior, and school oral health service of 12-year-old children, 2005-2008; Dental Health Division, Department of Health, Ministry of Public Health, 2008.

Richards D. Skill-mix and service transfer to primary care settings. *Evid Based Dent* 2011; 12:51. doi: 10.1038/sj.ebd.6400795

Riley JL 3rd, Gordan VV, Rouisse KM, McClelland J, Gilbert GH. Differences in male and female dentists' practice patterns regarding diagnosis and treatment of dental caries: findings from The Dental Practice-Based Research Network. *J Am Dent Assoc* 2011; 142:429-40.

Ryu JI, Tsakos G, Sheiham A. Differences in prosthodontic treatment needs assessments between the standard normative and sociodental approach. *Int J Prosthodont* 2008; 21:425-32.

Schou L. The relevance of behavioural sciences in dental practice. *Int Dent J* 2000; Suppl: 324-32.

Sheiham A, Spencer J: Health needs assessment in community oral health. Oxford, Wright, 1997.

Sheiham A, Sabbah W: Using Universal Patterns of Caries for Planning and Evaluating Dental Care. *Caries Res* 2010; 44: 141-50

Sheiham A, Tsakos G; Oral health needs assessment, In Pine C, Harris R ed.  
Community Oral Health 2<sup>nd</sup> ed. Germany, Quintessence Publication, 2007.

Sheiham A, Watt RG: The Common Risk Factor Approach: a rational basis for promoting oral health. *Community Dent Oral Epidemiol* 2000; 28:399-406.

Sirindhorn College of Public Health Cholburi: Dental nurses curriculum.  
<http://www.scphc.ac.th/programs.php>, 2010.

Spencer AJ, Lewis JM. The practice of dentistry by male and female dentists.  
*Community Dent Oral Epidemiol* 1988; 16:202-7.

Srisilapanan P, Sheiham A. Assessing the difference between sociodental and normative approaches to assessing prosthetic dental treatment needs in dentate older people. *Gerodontology* 2001; 18:25-34.

Srisilapanan P, Korwanich N, Sheiham A. Assessing prosthodontic dental treatment needs in older adults in Thailand: Normative vs. Sociodental approaches. *Spec Care Dentist* 2003; 23:131-4.

Tamas F, Roemer MI: Reviewing health manpower development. Geneva, World Health Organisation, 1987.

The Dental Council of Thailand: Report of Thai dental council committee meeting.  
Nonthaburi, 2009.

The Dental Council of Thailand: Thai Dental Practitioner Database. Retrieved March 2010.

Tsakos G, Gherunpong S, Sheiham A. Can oral health-related quality of life measures substitute for normative needs assessments in 11 to 12-year-old children? *J Public Health Dent* 2006; 66:263-8.

Tumkhosit U: Estimation of need for dental personnel; in. Bangkok, Department of Health, Ministry of Public Health, 1979.

Udompanich S: The development of delivery care model in dental public health at district level; in. Bangkok, Mahidol University, 1990, Ph.D.

Udompanich S: System Dynamics Model in Estimating Manpower Needs in Dental Public Health. HRDJ 1990 retrieved from [http://www.who.int/entity/hrh/en/HRDJ\\_1\\_1\\_06.pdf](http://www.who.int/entity/hrh/en/HRDJ_1_1_06.pdf)

van Dam BA, van Rossum GM. Female dentists. Style of their professional practice. *Ned Tijdschr Tandheelkd* 1994; 101:273-8.

Vichawut K, Pholdeeyiam S, Lexomboon D, Wongkhongkathep S, Busarakamruha J, Sukhanwaranit S: Dental personnel situation in Thailand health service system 2005; Bangkok, 2007.

Watt RG. Emerging theories into the social determinants of health: implications for oral health promotion. *Community Dent Oral Epidemiol* 2002; 30:241-7.

Watt RG. From victim blaming to upstream action: tackling the social determinants of oral health inequalities. *Community Dent Oral Epidemiol* 2007; 35:1-11.

Wirick GC Jr. A multiple equation model of demand for health care. *Health Serv Res* 1966; 1:301-46.

Wong MC, Lu HX, Lo EC. Caries increment over 2 years in preschool children: a life course approach. *Int J Paediatr Dent* 2011 Jul 19. doi: 10.1111/j.1365-263X.2011.01159.x. (Epub ahead of print)

Working Group on Medical and Public Health Manpower: Estimation of dental manpower 2008-2018. 2009.

World Health Organisation: Planning oral health services. Geneva, 1980.

World Health Organisation: Health Manpower Requirements for the achievement of Health for All by the Year 2000, WHO Technical Report No. 717. Geneva, 1985.

World Health Organisation: Oral Health Survey: Basic Method 4th edition; Geneva, 1997.

World Health Organisation: Health systems: Improving performance; Geneva, 2000a.

World Health Organisation: The World Health Report, 2000 – Health systems: improving performance. Geneva, 2000b.

Wright J, Williams R, and Wilkinson JR. Development and importance of health needs assessment. *Br Med J* 1998; 316:1310-3.

Yuktanant I: Dental public health problems in Thailand; in. Bangkok, National Defense College, 1972-1973.

Zillen PA, Mindak M. World dental demographics. *Int Dent J* 2000; 50:194-7.