

hepatitis resulting in fatal outcome were detected in patients taking rifampicin, ethambutol, isoniazid and pyrazinamide. Anaphylactic shock was observed in patients with injected streptomycin. Skin and appendages disorders was the most common adverse effects reported. The result can be predictor of TB surveillance system to develop plan for TB patients surveillance.

SP3-53 CHANGES IN THE NUMBER OF ORAL HEALTH-RELATED QUALITY OF LIFE IMPACTS IN ELDERLY PEOPLE

doi:10.1136/jech.2011.142976o.53

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Objectives The aim of this study was to evaluate the pattern of changes in the number of oral-health-related-quality of life (OHRQoL) impacts and investigate its relationship with self-reported oral health measurements in a sample of community-dwelling elderly from São Paulo-Brazil.

Methods The sample consisted of 747, 65 and older people, enrolled in the Health, Well-being and Ageing cohort-study. OHRQoL negative-impacts were measured using the General Oral Health Index-GOHAI and calculated as the number of items reported as “always” or “often.” Self-reported oral health measurements included: number of teeth lost and use of prosthesis. Changes scores were calculated by subtracting the number of impacts at baseline from the impacts at follow-up. A positive change score indicates an increment in the number of impacts, a negative score indicates a decrement and a change score of zero represents no change. Multinomial logistic regression analysis was used, estimating values for OR and a 95% CI. A design effect correction was made using the Stata survey command to analyse data coming from complex samples.

Results Most people had no change in the number of impacts and 21.80% had a decrement. Increment was related with tooth loss ≥ 16 (OR 1.74), use of dental prosthesis (OR 0.54), schooling ≤ 3 years (OR 1.65) and age (OR 1.03). Decrement was associated with tooth loss ≥ 16 (OR 2.61), use of dental prosthesis (OR 0.52).

Conclusion Changes in OHRQoL impacts were significantly related with the number of teeth lost and use of prosthesis even after controlling for socioeconomic factors.

SP3-54 MIDTERM CONSEQUENCES ON HEALTH OF THE EARTHQUAKE OF 6 APRIL 2009 IN L'AQUILA (ITALY), ASSESSED BY THE BEHAVIOURAL RISK FACTOR SURVEILLANCE SYSTEM PASSI

doi:10.1136/jech.2011.142976o.54

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Introduction 1 year after the earthquake in L'Aquila, all Abruzzo Local Health Units (LHU) with the University of L'Aquila, the Italian institute for health and the support of the Ministry of health, carried out a survey on midterm consequences of the earthquake on health. The analysis, based on the behavioural risk factors surveillance system PASSI, was aimed at assessing the prevalence of symptoms of depression and anxiety in adults, at monitoring health related behaviour and the prevalence of post-traumatic stress

disorder (PTSD) with the objective to establish a knowledge base for better informed public health decisions.

Methods From June to October 2010, 958 people living in earthquake area were interviewed by phone (response rate 95%), using the properly modified PASSI questionnaire.

Results 92% of interviewees were in the earthquake area at time of event; 5% were injured; 10% knew an injured person, 40% knew a person killed by the earthquake among their relatives or friends, 35% had to leave their home due to severe damage, 45% reported economic losses and 15% lost their job. 22% were displaced in a temporary public accommodation. 4% met the definition of PTSD and 16% of depression, higher for women and 50–69 aged years old.

Conclusion The study provides an estimate of non-traumatic consequences of the earthquake, otherwise neglected but financially covered by the NHS, and is a useful tool for public health needs assessment and planning in case of a disaster.

SP3-55 LAYERS OF COMPLEXITY IN INTERPRETING EFFECTIVENESS EVIDENCE

doi:10.1136/jech.2011.142976o.55

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Introduction There has been growing attention to using effectiveness evidence to guide public health and health improvement policies, strategies, programmes, and actions “on the ground.” However, there has only been partial recognition of complications that have a material bearing on how such evidence is interpreted and translated into action. This paper aims to shed further light on such complications, capitalising on the authors’ previous roles as “evidence originators” in academia and their more recently gained perspectives as “evidence interpreters” in national agencies.

Methods A particular randomised controlled trial in which the authors were directly involved—based on a workplace cardiovascular disease prevention programme—was revisited and used as an illustrative case study to elucidate important considerations in assessing and applying effectiveness evidence more generally.

Results Relatively obvious, and less obvious, complicating factors were identified in relation to defining the intervention, judging effectiveness, and transferability of findings. In addition, some “bigger picture” considerations were described, with individual interventions viewed as pieces in the health improvement “jigsaw” or as frames in the “movie” of ever-changing influences on population health.

Conclusion The layers of complexity uncovered in this work should be taken into account in designing, executing and reporting primary evaluative studies and reviews, in formulating recommendations for action, and in developing more fully fit-for-purpose approaches to evidence-informed public health and health improvement.

SP3-56 TRENDS IN CARDIOVASCULAR RISK FACTORS IN THE UK, 1961–2011

doi:10.1136/jech.2011.142976o.56

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Introduction Cardiovascular disease rates in the UK have been steadily declining over the past 50 years, mainly due to improvements in risk factors. This paper focuses on the behavioural risk factors and aims to document trends from 1961 to the present.

Methods We searched the peer-reviewed and grey literature from comparable estimates of prevalence of smoking, poor diet, alcohol consumption, physical inactivity and overweight and obesity, within the UK between 1961 and 2011.

Results Trends in heavy drinking showed no real increase since the '70s for either men or women. 40–50 years ago, average BMI was within the “normal” range of 20–25, but now it is above this range for most age groups. Childhood overweight and obesity has also dramatically increased since the '70s. Smoking rates have declined with four times less tobacco available in the UK now since 1961. The quality of the UK diet has improved, with reductions in saturated fat and sugar intake, and increases in fruit consumption. Long term trends in physical activity levels were unclear.

Conclusion Falls in cardiovascular disease are due to the improvements in smoking and diet—two of the major risk factors. Trends in heavy drinking have remained fairly constant, but the striking increases in average BMI and childhood obesity threaten to slow or even reverse the declines in cardiovascular mortality, a condition which in 2009 killed a third of the UK population.

SP3-57 DELETERIOUS ORAL HABITS ASSOCIATED TO WEANING IN STUDENTS FROM 3 TO 5 YEARS OLD FROM VITÓRIA/ES: A CASE-CONTROL STUDY

doi:10.1136/jech.2011.142976o.57

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Introduction The breastfeeding is extremely important to the general's and stomatognathic system's health of the baby. The aim of this research is to evaluate the existing association between breastfeeding and deleterious oral habits and the prevalence of the habits in children from 03 to 05 years old in Vitória, Espírito Santo.

Methods Case-control study, used as parameters to the samples a prevalence of 33%, confidence level of 95% and margin of error of 5%. The final sample was 903 students, randomised and representative of a total of 9829 children, with complete primary dentition. For the data collection it was used a questionnaire directed to the responsible. The comparison of the percentages among habits and socioeconomic factors and weaning was tested by Fisher's exact test. To the risk it was used OR. The level of significance was 5%. The statistic package SPSS-Social Package Statistical Science, version 15—was used to this analysis. This research was approved by Comitê de Ética em Pesquisa da UFES (084/2010).

Results 12.4% present or had presented the habit of finger sucking and 37.7% the habit of sucking pacifier. There is no statistically significant association of the habit of finger sucking with weaning and children who suffer weaning present approximately 4 times more chance of developing the habit of sucking pacifiers.

Conclusion It is necessary a larger awareness of the mothers about breastfeeding and public politics to create conditions for them to have these healthy choices.

SP3-58 TEETH LOSS IMPACT ON ELDER PEOPLE'S QUALITY OF LIFE

doi:10.1136/jech.2011.142976o.58

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Introduction There are scientific evidences which show the health contribution of the quality of life. These measurements have not been well guided towards the free speech of the oral health in the people's life.

Objective This study aimed to investigate the impact of the teeth loss on the elder people's quality of life.

Material and Methods Qualitative investigation with descriptive features, which used random out sample as a result of the total edentulous elder people's selection, who live in a institution of

Fortaleza, Brazil. Within 250 residents screened: 72 elderly, completely edentulous, with ages varying from 60 to 79 years old were selected. A semi-structured questionnaire with closed and opened questions in which the last ones were used for the free flow of the interviewee's speech. The content was analysed and codified according to Bardin.

Results 84.7% had gone to the dentist in order to have exodontics. 81.9% reported difficulties after losing their teeth. Physical dimensions, characterised by the difficulties to be fed, and social dimensions, due to the interference in the communication with other people were obtained.

Conclusion The tooth loss causes disorder in the individual's quality life, mainly when it affects his well-being and appearance.

SP3-59 ORAL HEALTH OF THE ELDERLY: PREVALENCE OF ORAL LESIONS RELATED TO DELETERIOUS HABITS

doi:10.1136/jech.2011.142976o.59

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Introduction With increasing age, the oral mucosa becomes more susceptible to external stimuli, favouring increased exposure of the individual to aggressive agents. Considering the deleterious habits, the use of alcohol and tobacco represents risk factors for oral lesions. Studies show that the incidence of oral cancer accompanies patterns of tobacco and alcohol consumption.

Objective To investigate the prevalence of oral lesions and relate them to deleterious habits in elderly patients.

Methodology It was a quantitative research conducted at the dental Clinic of UNIFOR, Fortaleza-CE, in the period from 1998 to 2006. The sample consisted of all 756 records of the elderly, and the data were processed by SPSS 15.0.

Results The majority (63.0) were women, age 60–92, mean age 67±6. The most significant proportions were: married (48.4%), retired (42.3%), incomplete primary school (31.5%). It was found a prevalence of 18.3% of oral lesions, with the risk being 1.6 times higher (p=0.030) among younger (up to 65 years) and 1.7 times higher among smokers (p=0.048). Although this risk is 1.6 times higher among those who drank alcohol, it was not statistically significant (p=0.122).

Conclusion The elderly showed a high prevalence of oral lesion, being the youngest, the smokers and the alcohol consumers those most vulnerable to the emergence of these diseases. Dental services need to implement programs of elderly care and health education, essential to clarify the risks and their associations with oral diseases, aiming to promote health.

SP3-60 OLDER PEOPLE'S ORAL HEALTH EVALUATION AND THEIR INTERFERENCE IN DEPRESSION SYMPTOMS

doi:10.1136/jech.2011.142976o.60

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Introduction Population's ageing brings problems that confront health systems.

Objective Evaluate the oral health of elderly patients and their interference in depression symptoms.

Methodology Quantitative research applied for elderly of Reference Centers for Social Welfare in Fortaleza. Applied: Geriatric Depression Scale and an identification and epidemiological survey questionnaire. Software SPSS, version 15, computed the data.