**SP1-18 ADOLESCENTS' CHRONIC DISEASES AND HEALTH COMPLAINTS: A POPULATION BASED SURVEY IN CAMPINAS, SAO PAULO, BRAZIL**

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**Introduction** The prevalence of diseases has been changing in Brazil in the last decades. The objective of this research was to estimate the prevalence of chronic diseases and health complaints among adolescents according to socioeconomic and demographic variables.

**Method** A cross-sectional population based survey was carried out in Campinas in the years 2008/09 (ISAcamp 2008/09). Data of 929 adolescents from 10 to 19 years were obtained through household interviews. The analysis included prevalence ratio (PR) and 95% CI. Poisson regression was used for adjusted analysis.

**Results** 17.54% (CI 14.34 to 21.28) informed having one chronic disease and 1.62% (0.92 to 2.83) having more than one. Regarding health complaints 38.47% (31.98 to 45.59) referred not having any problem, 33.75% (29.55 to 38.21) informed one problem, 17.31% (15.46 to 20.58) two, 7.25% (5.27 to 9.35) three and 3.25% (1.88 to 5.56) four or more. Among the chronic diseases, asthma showed the higher prevalence: 7.59% (6.01 to 9.54). The most prevalent health complaints were: allergy 40.59% (34.90 to 46.15), frequent headache/migraine 24.83% (20.35 to 29.92), backache/column problems 11.84% (8.97 to 15.48) and emotional problems (anxiety and sadness) 10.65% (7.69 to 14.56). After adjusting for confounding the PR for chronic diseases were: 1.4 (1.06 to 1.82) for age over 15, 0.68 (0.46 to 0.99) for those still attending school, and 1.8 (1.06 to 3.18) for having children. The PR for health complaints were: 1.12 (1.01 to 1.24) for girls and 1.34 (1.11 to 1.62) for higher family income.

**Conclusion** Age from 15 to 19 years, not attending school and having children are associated with chronic diseases, and female adolescent and having a family income of over 4 minimum wages are associated with health complaints.

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**SP1-20 PREVALENCE OF COGNITIVE IMPAIRMENT AND DEPRESSION AND ASSOCIATED FACTORS IN ELDERS LIVING IN LONG-STAY INSTITUTIONS IN BRAZIL**

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**Introduction** Cognitive impairment and depression are among the health conditions that affect the ability of the elders to live independently, leading to their placement at long-stay institutions. This phenomenon has been increasing in Brazil. This study analyzes the prevalence of these health conditions and its associated factors in elders who live at these institutions.

**Methods** This is a cross-sectional study with elderly residents of long-stay institutions in four Brazilian cities. The study’s questionnaire included socio-demographic and health-related variables and the assessment of functioning, cognition and mood with scales widely used in elderly populations. The population profile was characterised and the prevalence of cognitive impairment and depression was estimated. Bivariate and multivariate analyses were performed with Poisson regression.

**Results** These are preliminary results for 340 elders. The mean age was 75.5 years, most were men, with 0–4 years of schooling and <5 years of institutionalisation. The prevalence of cognitive impairment was 65.8% and of depression 49.1%. Variables associated to cognitive impairment were depression (RP 4.59; 95% CI 1.11 to 2.75) and female gender (RP 2.96; 95% CI 1.57 to 5.27), hospitalisation in the last year (RP 1.55; 95% CI 1.04 to 2.53) and presence of cognitive impairment (RP1.42; 95% CI 1.11 to 1.83) were associated to a high probability of depression.

**Conclusions** The high prevalence of these two conditions in elders living at long-stay institutions in Brazil denotes the importance of health policies aiming to improve the quality of care received by this population group.
SP1-19 Diffuse reflectance spectral imaging: a non-invasive promising tool for early diagnosis and screening of malignant changes in the oral cavity

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