1160 had passive smoking (prevalence of 31.5%, 29.5% to 33.5%), 53% of which was from exposure at home only. Its risk was significantly related to female gender, low levels of education, occupational class and annual income, living in rural area, less satisfaction for life, being married, alcohol drinking, and having a religion.

Conclusions There is a high level of smoking in Chinese older men and of passive smoking in women. Differences between active and passive smoking in association with marital status and having a religion may reflect less success in controlling smoking and passive smoking in China. The associations of smoking and passive smoking with psychosocial factors suggest priority preventive strategies.

P1-112 ANTENATAL PREDICTION OF POOR MATERNAL AND CHILD OUTCOMES: IMPLICATIONS FOR SELECTION INTO INTENSIVE PARENTING SUPPORT PROGRAMS

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Objective To determine which factors are the best predictors of poor maternal and child outcomes up to age 5, so that parent support program can better target interventions to those who will benefit most.

Methods The Avon Longitudinal Study of Parents and Children is a prospective birth cohort of 14541 pregnant women. Childhood development was assessed with a parent-reported developmental scale at 18 months (n=7969), the Strengths and Difficulties Questionnaire at 47 months (n=8328) and teacher-reported School Entry Assessment scores at 4–5 years (n=7345). Maternal outcomes were depression at 8 weeks (n=10070), never breastfeeding up to 6 months (n=7976), feelings of unattachment (n=8253) and hostility (n=8159) at 47 months, and not in employment, education or training (n=8265) at 61 months.

Results Few families with each poor outcome (3% to 9%) had mothers aged <20 years when they were pregnant. Half to three-quarters of families with poor outcomes could be identified if information on all six predictors was used and a woman had at least one of these. Model discrimination (area under the receiver operator characteristic curve) improved from approximately 0.50 for all outcomes using maternal age only, up to 0.80 for postnatal depression when all six predictors were included in the model. Calibration also improved with the model including all six characteristics.

Discussion Factors other than young maternal age, including education, smoking and depression during pregnancy should be considered in identifying those eligible for programs aimed at improving child and maternal outcomes through intensive parent support.

P1-113 PATIENT SATISFACTION WITH URBAN AND RURAL INSURANCE AND FAMILY PHYSICIAN PROGRAM IN MARKAZI PROVINCE

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Introduction Family physician plan is one of the basic programs of the Fourth Plan on Economic, Social and Cultural Development in the health sector. This program more than 5 years old is going, is currently deployed in all villages and urban areas with populations <20 000 people in Iran. This study was conducted with the aim of

measuring User's Satisfaction from Urban to Rural Insurance and Family Practice Program in Markazi Province in the fall of 2009.

Materials and Methods This study is a descriptive—analytic and cross sectional, is done at 40 medical centers with family doctor services in the province. Demographic characteristics of individuals, personnel behaviour, spending time, guidance and training, service costs, adequacy of services, ability and skills of personnel, access to medical facilities, adequacy of facilities and equipment based on a questionnaire and interview patients or their relatives were registered.

Results 391 people were interviewed during the 3 months. The average age of 38.24 ± 17.02 years, 66.5% of them women and 81.3% of them, were married. 34.52% of patients in high or very high were satisfied with the whole performance of health centers. This High or very high level of satisfaction was about the performance of family physicians, midwives, laboratory and pharmacy, respectively 33.1, 37.1, 36.8 and 38.3.

Conclusion In total, the program has been successful in the province. Policymakers can to achieve a higher level of satisfaction in the long term based on comments and service recipients and promoting program with some program processes.

P1-113A EPIDEMIOLOGICAL PATTERN OF INJURY BY DISTRICT IN TEHRAN

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Introduction Tehran is the capital city of IR Iran with about 12 000 000 inhabitants. Consisting of 22 districts. Injuries happen with different rate and type in different zones.

Methods 10% of population of Tehran considered for the households survey based on Urban HEART (urban Health Equity Assessment and Response Tool) interviewer were trained uniformly. The result will be used as a baseline for the future assessment.

Results Females are mostly involved in fall, burn and poisoning while men are mostly involved in traffic accidents, interpersonal violence and electric shocks. Most accidents were among families with 3–5 members. Aged 15–40 years old from the low income groups were affected more. In traffic accident the young males are the most affected victims more are living in districts 14, 15, 18, 9, 19 & 4 respectively. In district 11, 12, 14 most of the victims were motorcyclists. In districts 2, 3 & 5 victims were pedestrians predominantly. Children and old ages are the victims of Fall, there is no gender differences in most of the districts area except in district 19 where males are falling twice than females and in districts 1, 2, 3 & 12 this ratio is vice versa ($p \leq 0.05$). Burns were more recorded in districts 13, 16, 17, 12 respectively and the least from districts 3, 2, & 5. At the level of $p \leq 0.05$ with 95% CI differences between districts were significant.

Conclusion Tehran is mega city. By knowing the districts characteristics and sex and age differences, the urban managements will be improved through better policy making.

P1-114 WEIGHT CHANGE SINCE AGE 20 AND CARDIOVASCULAR DISEASE (CVD) MORTALITY: THE OHSAKI STUDY

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Introduction Long-term weight change since young-adulthood is a better indicator of distribution of body fat mass. We investigated

weight change from age 20 in relation to the risk of CVD mortality, including specific causes of CVD, using data of a large population-based cohort study in Japan.

Methods In 1994, 41 364 eligible individuals aged 40–79 years responded to the questionnaire survey. Participants were categorised by weight change: loss ≥ 10 kg and 5–9.9 kg, ± 4.9 kg, gain 5–9.9 kg and ≥ 10 kg. During the follow-up period of 13.3 years, 1756 deaths of CVD were identified and risk analysis was done by Cox proportional hazards model.

Results For all CVD mortality in men were significantly increased for weight loss more than 10 kg with the HR 1.52. Weight gain didn't predict increased risk in our study. In women, U-shaped association was found while the HRs were 1.64 and 1.35 for those with 10 kg weight loss and weight gain, respectively. The risks for coronary and stroke mortality were also increased for women who lost their weight with the HRs 2.03 and 1.49. The risk trends were similar in subgroup analysis of elderly, non-smokers and early death deletion.

Conclusion Weight loss since early adulthood was a predictor of death from CVD. Weight gain more than 10 kg was associated with increased risk of CVD mortality among women.

P1-115 MEASURING THE HEALTH DISPARITY OF OLDER WOMEN IN SOUTH KOREA: USING MIXED METHODS

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Introduction Measuring appropriate socioeconomic positions (SEP) to capture health inequality among older women has always been a challenging issue. This study sought to explore mixed methods, applicable for measuring the health disparity of Korean women.

Methods We followed a sequential explanatory design, in which two data collection methods - qualitative and quantitative were employed to understand and identify appropriate ways to measure SEPs of older Korean women. In the multi-methods analysis stage, we used a concurrent triangulation design strategy and illustrated the major findings, according to 'corroboration', 'elaboration', and 'initiation' steps.

Results Most elder women reported their health to be relatively poorer in both quan/qual data, regardless of physician's report or diagnosis. Stress related mental problems were also found to be a major precursor to poorer physical health in these women. According to the findings, low education, financial problems, physically demanding work experience, and lack of social support resulted in poorer health. This was further supplemented by insightful explanations through in-depth interview. We further found cultural specific reasons behind this phenomenon particularly in regards to the education of and occupations of Korean women. They were often found to have been deprived of educational opportunities regardless of familial affluence. The educational levels of their male siblings, rather than their own, may better reflect the familial economic condition in the childhood of these Korean older women.

Conclusions The mixed methods, using both quantitative and qualitative approaches, could go some way towards explaining the health disparity in Korean older women.

P1-116 ALCOHOL USE AMONG BRAZILIAN PHARMACY STUDENTS

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Introduction The significantly use of alcohol by the population poses a serious public health threat. Alcohol deserves special attention for being socially accepted. Studies have been shown that levels of

alcohol consumption among students and young people are particularly high. The objective was to analyse the prevalence of alcohol used by Brazilian pharmacy students and describe the pattern of their consumption.

Methods The sample included 329 undergraduate pharmacy students of Faculty of Pharmaceutical Sciences of Ribeirão Preto, University of São Paulo, Brazil who completed an anonymous, self-applied questionnaire adapted of the developed one for Brazilian Center Information of Psychoactive Drugs from august to december of 2010. This study was approved by Research Ethics Committee of the institution.

Results A total of 329 students answered the questionnaire and signed a free informed consent form. Age ranged from 17 to 28 years old (mean 21.1). The majority of students (97.3%) had used alcohol at least once in their life. Of those participants, 68.8% drink beer and 21.6 drink wine. The study indicated that 79.1% of the students had drunk alcohol in the last month and up to 60% of them consumed alcohol for 5 days. Almost 40% of the students had driven a car after alcohol consumption.

Conclusion This study presented a high consumption of alcohol in pharmacy students in agreement with other studies. Measures to discourage alcohol consumption before driving car should be implemented. Approaches to alter student perceptions have been demonstrated to be useful and should be carried out.

P1-117 DETERMINANTS OF FOLATE CONCENTRATION IN CANADIAN WOMEN OF CHILDBEARING AGE

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Objectives One-fifth of Canadian women of childbearing age have a red blood cell (RBC) folate below concentrations considered optimal for maximal neural tube defect risk reduction (<906 nmol/l). This study explored the determinants of RBC folate concentrations ≥ 906 nmol/l Canadian women.

Methods RBC folate concentrations from the nationally representative Canadian Health Measures Survey were assessed in women aged 15 to 45 years (N=1162). The population was described using frequencies and percentages. Sociodemographic, behavioural and clinical determinants of concentrations ≥ 906 nmol/l were examined using univariate and separate multiple logistic regression models controlling for age and household income.

Results More women with folate concentrations ≥ 906 nmol/l were evident in higher age groups (15 to 19 years (70.0%), 20 to 39 years (79.6%), 40 to 45 years (80.8%)) and income quartiles (74.7% (Q1), 76.8% (Q2), 80.2% (Q3), 86.3% (Q4)). Folic acid containing supplement users had a higher prevalence of concentrations ≥ 906 nmol/l (87.9%) than non-users (75.2%). Prevalence of concentrations ≥ 906 nmol/l rose with higher intake of fruit/vegetables ($<$ once per day (64.7%), 1–2 times per day (74.2%) and >3 times per day (82.9%)) and grain products ($<$ once per day (67.7%), 1–2 times per day (80.5%), >3 times per day (77.6%)). Detailed regression analysis results will be presented at the conference.

Interpretation These results will inform nutrition policies, particularly those related to folic acid fortification of select grains and preconception/prenatal folic acid supplementation recommendations for women of childbearing age. This will ultimately contribute to improving the health of Canadians and optimising infant health.