and brown—OR: 1.1 to 0.9; 1.5). These estimates were not significantly altered in models including variables related to life-course SEP.

**Conclusion** In this Brazilian population, UL risk increased with the darkening of skin colour, and the life-course SEP did not mediate this association.

**PI-419 HEALTH PROMOTING SCHOOL INITIATIVE IN ASHRAM SCHOOLS OF WARDHA DISTRICT: AN EVALUATION**

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**Objective** To study the effect of health promoting school-based intervention for disadvantaged children in the residential Ashram Schools of rural Wardha district of central India.

**Material and Methods** At baseline, 1287 children in 10 Ashram schools were examined using locally adopted Global School-based Student Health Survey questionnaire. Ashram (residential) schools are residential schools providing lodging and boarding, uniforms, books and notebooks and educational equipments to its poor inmates. It covered information on personal hygiene, physical status, nutrition, environment, substance abuse, risk behaviour, life skills and others. Haemoglobin examination of all children was done by using Haemoglobin colour scale. Body Mass Index (BMI) and Physical activity score for each child was calculated. Intervention was carried out through trained school health committee members. After 1 year, 1226 children were examined as end line assessment by using the same questionnaire. The data were entered and analysed using Epi_info software.

**Results** Overall, there was significant improvement in the status personal hygiene and reduction in related morbidities among school children. Noteworthy, percentage of current tobacco consuming children declined significantly from 506 (59.3%) to 210 (17.1%). The mean haemoglobin of the children increased from 10.7 g/dl to 11.4 g/dl. Notably, there was significant decline in thin (below 5th percentile) children from 67.5% to 60.3% and there is increase in normal children with BMI for age (5th—85th percentile) from 32.2% to 33.8%.

**Conclusions** The need based participatory Health Promoting School initiative for vulnerable Ashram school children could improve their health status.

**PI-420 FIBRE INTAKE AND EVOLUTION OF BODY MASS INDEX: FROM PREPREGNANCY TO POSTPARTUM**

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**Background** Postpartum weight retention is important risk factor for obesity in reproductive age women. The role of fibre intake still needs clarification, being among those dietetic factors that may be associated with a positive evolution of postpartum weight variation.

**Objectives** To evaluate the effect of fibre intake on the evolution of maternal body mass index (BMI) from pregnancy to postpartum, and to identify dietary patterns associated with fibre intake.

**Methods** A cohort of 370 pregnant women was followed until the sixth month of postpartum. Food intake was obtained using food-frequency questionnaire. Focused principal component analysis was used centered on postpartum weight retention and on total dietary fibre intake. Obesity risk was a variable defined to indicate unfavourable evolution of BMI in postpartum. Poisson regression was used to estimate the association between fibre intake and obesity risk.

**Results** Participants retained a median of 4.4 kg (IR 0.6; 7.9), and obesity risk was present in 55.1% (n=189) of the sample. Individual food items did not have an important effect on weight retention. The highest contribution of fibre intake came from the consumption of beans. Consumption of bread and rice indicated a common Brazilian food pattern along with beans. In the multivariable model, inadequate fibre intake increased 24% (95% CI 1.05 to 1.47) the obesity risk, after adjusting for maternal age, prepregnancy BMI and total gestational weight gain.

**Conclusion** Maternal BMI showed an increasing trend from prepregnancy to postpartum. Adequate fibre intake may reduce obesity risk in the period following childbirth.
analysis was used to estimate ORs for factors contributing to satisfaction with healthcare.

**Results** In all 27 883 individuals were studied. The mean age of respondents was 32.7 (SD = 11.8) years. In all 20.7% of the respondents were satisfied or very satisfied with healthcare delivery while 56.2% of people indicated little or no satisfaction with healthcare. The results obtained from regression analysis indicated that income (a proxy measure of access to healthcare) and information was the most significant contributing factor to people’s dissatisfaction [OR for lower income = 2.17, p < 0.0001; OR for people with poor health information = 2.01, p < 0.001].

**Conclusion** The study findings suggest that improving access to information and healthcare could lead to people’s satisfaction with healthcare.

**Methods** Specific data subsets were created to compare the burden of influenza during the epidemiological week (EW) 21 to 26 for years 2007 to 2009 among 150 000 Health Maintenance Organization members in Buenos Aires. The threshold for identifying an epidemic was considered met when the weekly influenza-like illness (ILI) rate exceeded 200 per 100 visits. Mortality rates of severe acute respiratory infection (SARI) from 2007 to 2009 were compared. Case fatality and mortality rates for A/H1N1 influenza 2009 also were estimated.

**Results** The HIS detected the outbreak in EW 23 while the government Ministry of Health (MoH) gave a national epidemic alert during EW 25. The number of visits for ILL increased more than fourfold when comparing 2009 to the 2007–2008. SARI mortality rate in 2009 was higher than in 2008 (RR 2.8; 95% CI 1.18 to 6.65) and similar to that of 2007 (RR 1.05; 95% CI 0.56 to 1.49). 2009 was the first year with mortalities younger than 65 years attributable to SARI. The estimated A/H1N1 case fatality rate for SARI was 6.2% (95% CI 2.5 to 15.5). The estimated A/H1N1 mortality rate was 6 per 100 000 (95% CI 0 to 11.6).

**Conclusions** The outbreak was detected 2 weeks before than the MoH gave a national alert suggesting that with a private-public integration a more real-time outbreak and disease surveillance system could be implemented.