this association was lost among children with active infection (adj. OR 1.59, 95% CI 0.72 to 3.54).

**Conclusions** The association between markers of atopy and wheeze increased with age. The results suggest modification of the relationship between SPT and wheeze by active geohelminth infections.

**Methods**
A case-control study was conducted among 809 Afro-Ecuadorian children aged 7—19 yrs living in rural communities in tropical Ecuador. Asthma cases were selected based on the presence of recent wheeze and controls as a random sample of those without symptoms by questionnaire. Atopy was measured either by the presence of allergen specific IgE (asSlgE) in serum or by allergen skin test reactivity (SPT). Overweight children were those with a Body Mass Index (BMI) ≥ +1 z-score based on WHO growth curves (2007).

**Results**
Comparing atopic vs non-atopic children, the prevalence of SPT (adj. OR 2.12, 95% CI 1.22 to 3.68) and the presence of asSlgE (adj. OR 2.30, 95% CI 1.10 to 4.83) was greater in overweight children compared to those with normal weight/underweight. Comparing non-atopic wheezers with non-atopic non-wheezers, being overweight was significantly associated with non-atopic wheeze (adj. OR 2.22, 95% CI 1.07 to 4.63) when atopy was defined as asSlgE but not SPT. Being overweight was not significantly associated with atopic wheeze (comparing atopic wheezers with atopic non-wheezers) and with severe wheeze or exercise-induced bronchospasm irrespective of atopic status.

**Conclusion** Although being overweight was associated with atopy, it was also associated with wheeze, and somewhat surprisingly this latter effect was not observed among atopic children.

**Introduction**
Dietary patterns provide insights into how diet, rather than specific nutrients, affects bone health. We aimed to evaluate whether Mediterranean diet associates with bone mineral density at 15-years-old.

**Methods**
We used data from 1232 adolescents (44.7% males) born in 1990 and assessed at 13 years-old (EFTteen cohort). Adolescents were evaluated through physical examination, including height, weight and forearm bone mineral density (BMD) using dual-energy x-ray absorptiometry. Dietary intake was assessed using a food frequency questionnaire and adherence to the Mediterranean diet was evaluated through an adapted score (KIDMED index). The final score, the sum of all items, was classified into three adherence levels: –2 to 3, 4 to 6 and 7. The association between KIDMED index and BMD was quantified using linear regression. Coefficients were adjusted for body mass index, physical activity, smoking status and parental formal education.

**Results**
Low KIDMED index was found in 25.9% of the girls and in 22.5% of the boys and 47.3% of girls and 46.1% of boys had intermediate index results. Mean (SD) BMD was 0.361 (0.058) g/cm² in girls and 0.344 (0.051) g/cm² in boys. Adherence to the Mediterranean diet showed no relation with BMD in girls. Significantly higher average BMD was found among boys with intermediate (0.013, 95% CI: 0.005 to 0.023) and high KIDMED index (0.017, 95% CI 0.006 to 0.028) when compared to those with low index.

**Conclusion**
A Mediterranean dietary pattern can be associated to better bone health since early in life.

**Introduction**
The aim of this population-based study was to examine trends in the myocardial infarction incidence and mortality rates between 2000 and 2009 in Navarre, Spain.

**Methods**
All admissions for myocardial infarction in a region of over half a million inhabitants from January 2000 to December 2009 were identified from the hospitals discharge databases. Age- and sex-adjusted incidence and 30-day and 365-day mortality rates were calculated.

**Results**
We identified 4451 persons 30 years of age or older with a first myocardial infarction. The incidence showed a significant decrease from 128 cases per 100,000 person-years in 2000 to 95 cases per 100,000 person-years in 2009, a 32% relative decrease. Only in the case of ST-segment elevation myocardial infarction the decrease was significant. The proportion of patients who underwent revascularisation within 30 days after myocardial infarction increased from 26.8% in 2000 to 65.6% in 2009. The age- and sex-adjusted incidence and 30-day and 365-day mortality rates were calculated.

**Discussion**
The important fall in the incidence observed in this population is consistent with other studies from other industrialised areas of the World. The higher rates of ST-segment elevation myocardial infarction vs non-ST could be indicating that the new definition is not broadly applied. The decreasing incidence, particularly ST-segment elevation myocardial infarction, is probably explained, at least in part, by substantial improvements in primary prevention efforts. Important improvements were observed also in the hospital care, particularly the big increase in revascularisation.

**Introduction**
Dietary patterns provide insights into how diet, rather than specific nutrients, affects bone health. We aimed to evaluate whether Mediterranean diet associates with bone mineral density at 15-years-old.

**Methods**
We used data from 1232 adolescents (44.7% males) born in 1990 and assessed at 13 years-old (EFTteen cohort). Adolescents were evaluated through physical examination, including height, weight and forearm bone mineral density (BMD) using dual-energy x-ray absorptiometry. Dietary intake was assessed using a food frequency questionnaire and adherence to the Mediterranean diet was evaluated through an adapted score (KIDMED index). The final score, the sum of all items, was classified into three adherence levels: –2 to 3, 4 to 6 and 7. The association between KIDMED index and BMD was quantified using linear regression. Coefficients were adjusted for body mass index, physical activity, smoking status and parental formal education.

**Results**
Low KIDMED index was found in 25.9% of the girls and in 22.5% of the boys and 47.3% of girls and 46.1% of boys had intermediate index results. Mean (SD) BMD was 0.361 (0.058) g/cm² in girls and 0.344 (0.051) g/cm² in boys. Adherence to the Mediterranean diet showed no relation with BMD in girls. Significantly higher average BMD was found among boys with intermediate (0.013, 95% CI: 0.005 to 0.023) and high KIDMED index (0.017, 95% CI 0.006 to 0.028) when compared to those with low index.

**Conclusion**
A Mediterranean dietary pattern can be associated to better bone health since early in life.