

## **Supplementary Legends**

**Supplementary Figure S1:** The plots of incidence and mortality trends for each country

**Supplementary Figure S2:** The graphs of the joinpoint regression output

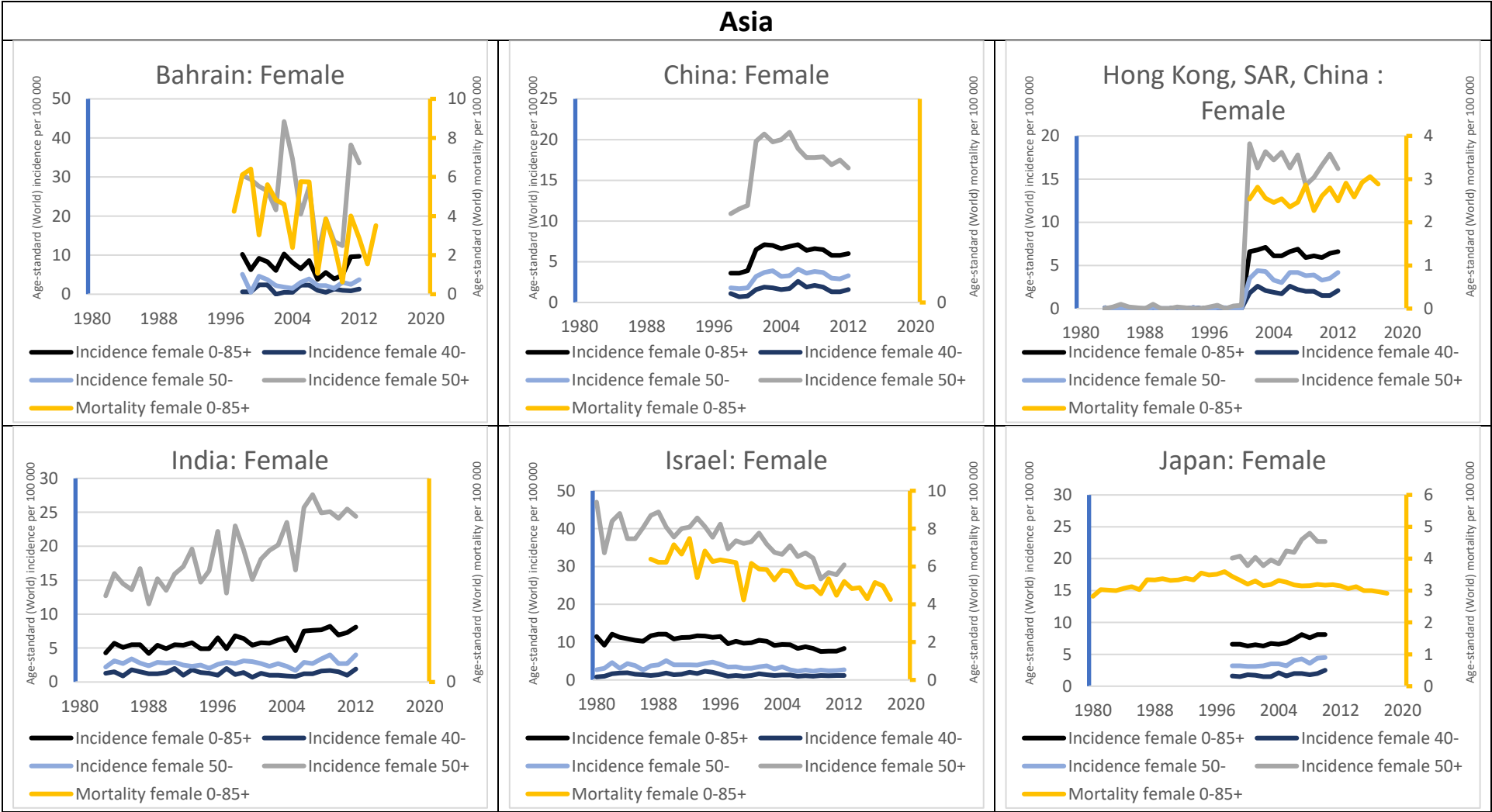
**Supplementary Figure S3.** AAPC of incidence of ovarian cancer aged 50 years and older

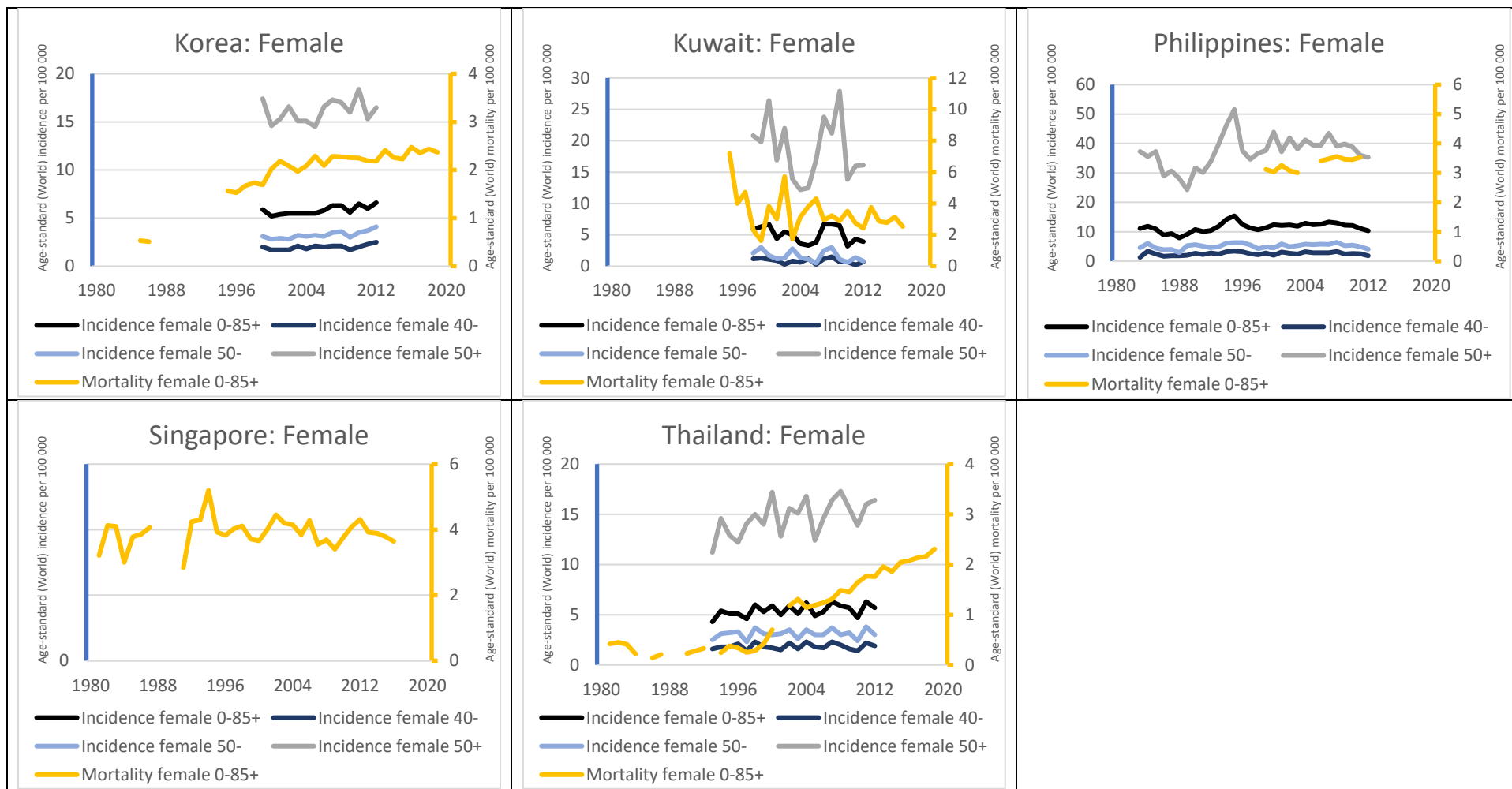
**Supplementary Figure S4.** AAPC of incidence of ovarian cancer aged  $< 50$  years old

**Supplementary Figure S5.** AAPC of incidence of ovarian cancer aged  $< 40$  years old

Supplementary Figure S1: The plots of incidence and mortality trends for each country

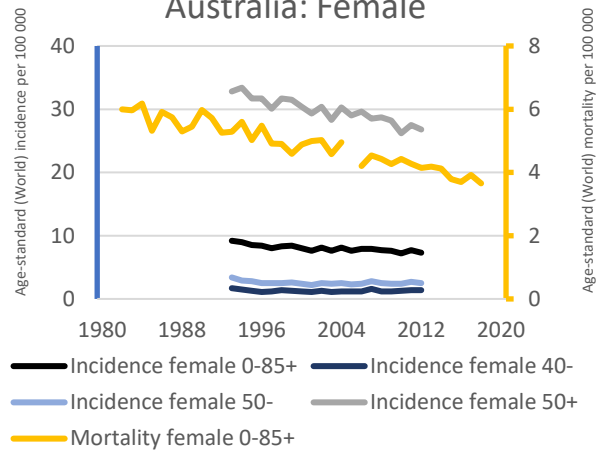
Female



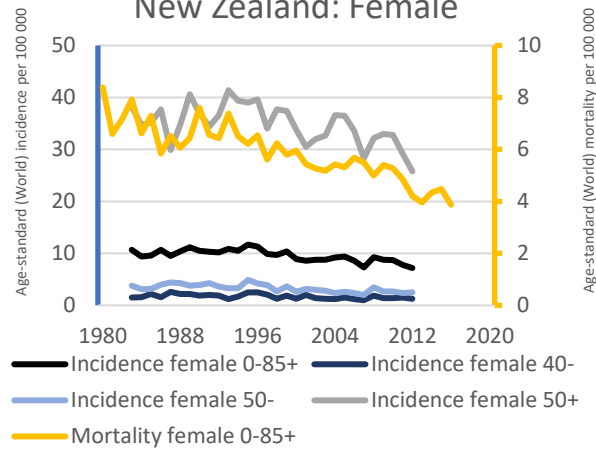


## Oceania

### Australia: Female

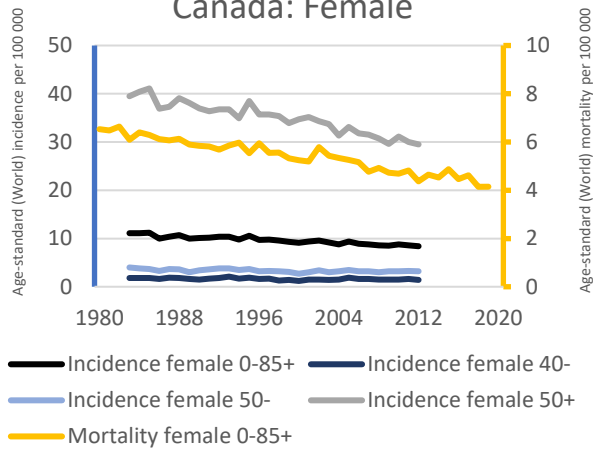


### New Zealand: Female

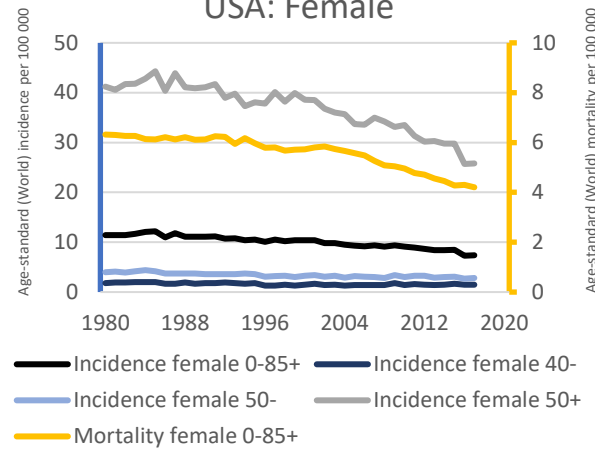


## Northern America

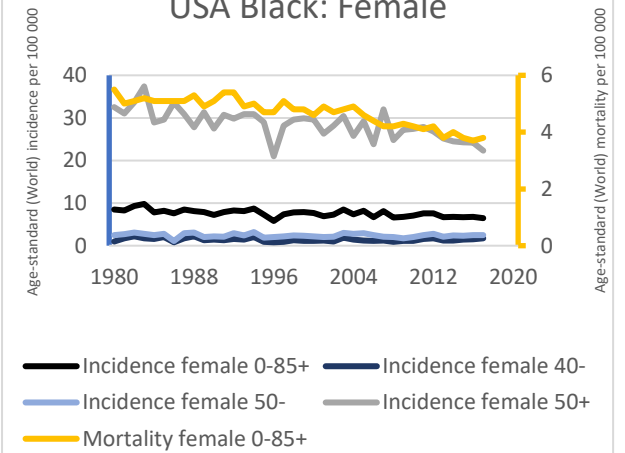
### Canada: Female



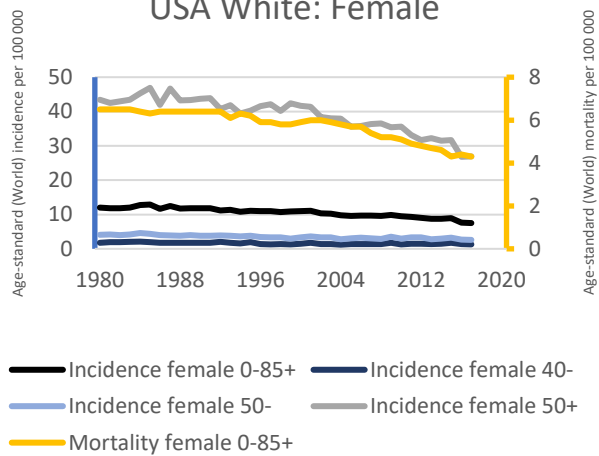
### USA: Female



### USA Black: Female

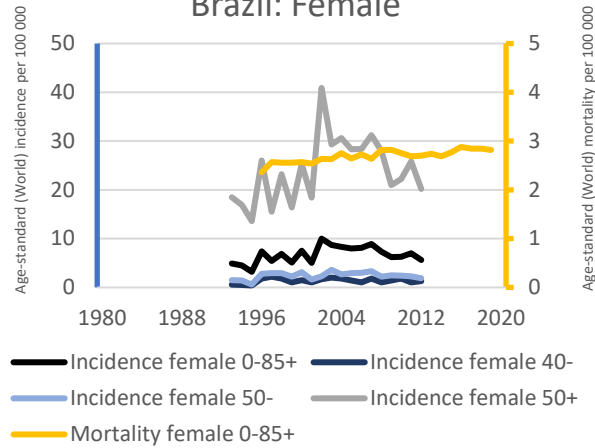


### USA White: Female

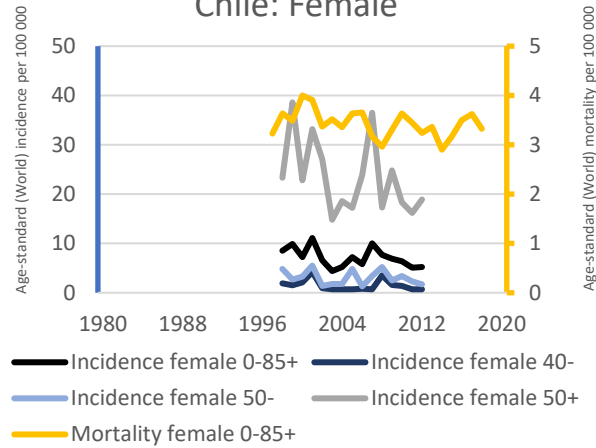


## Southern America

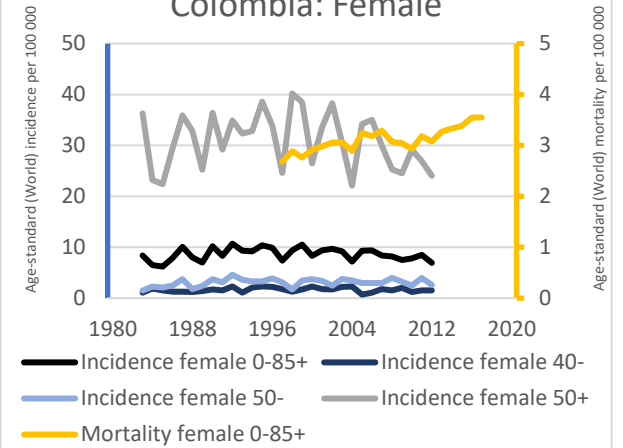
### Brazil: Female



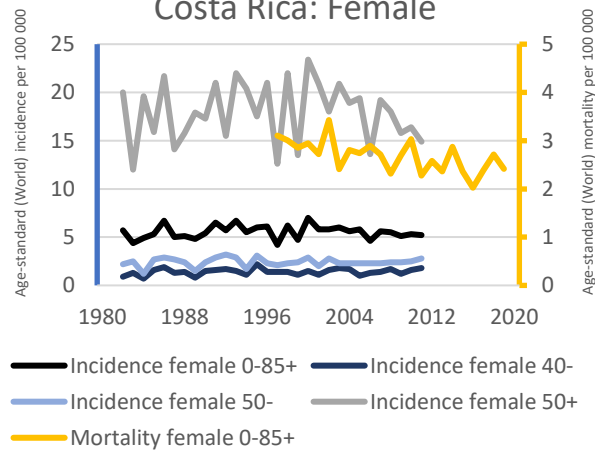
### Chile: Female



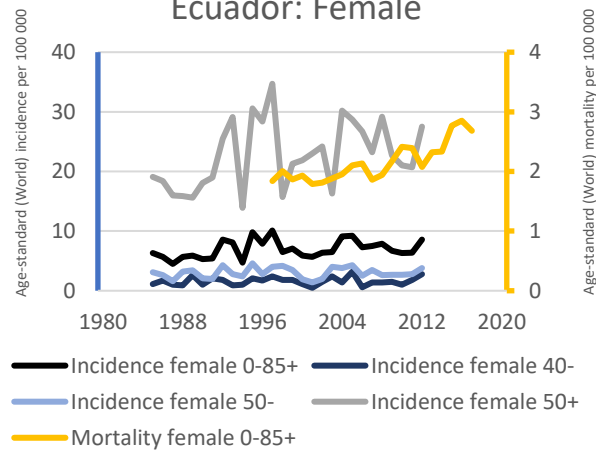
### Colombia: Female



### Costa Rica: Female

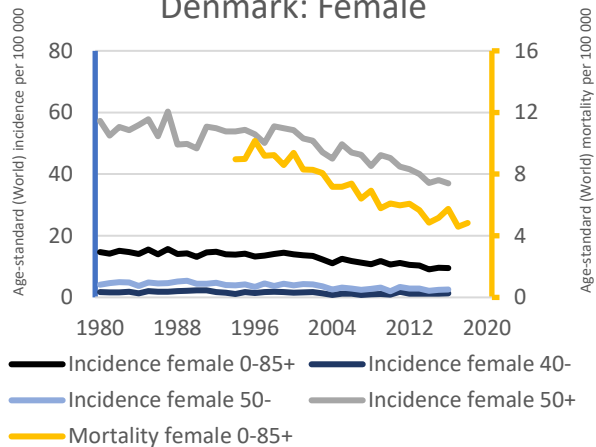


### Ecuador: Female

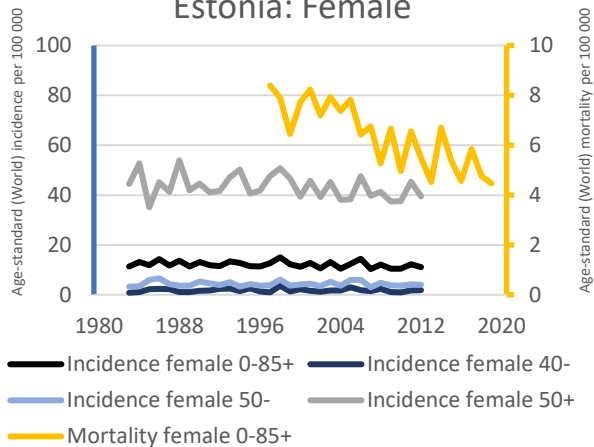


## Northern Europe

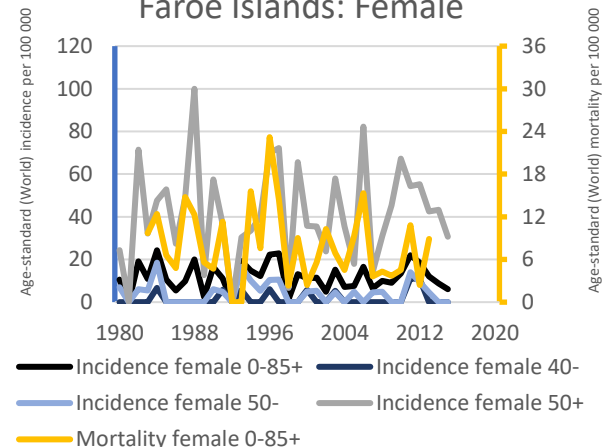
### Denmark: Female



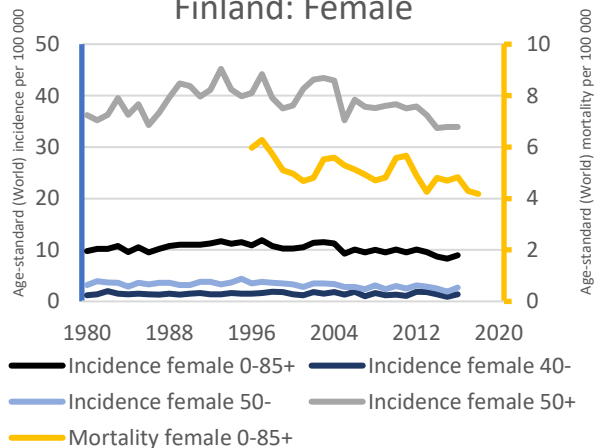
### Estonia: Female



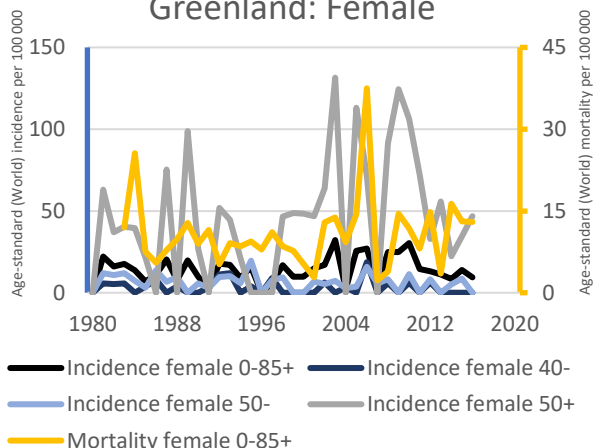
### Faroe Islands: Female



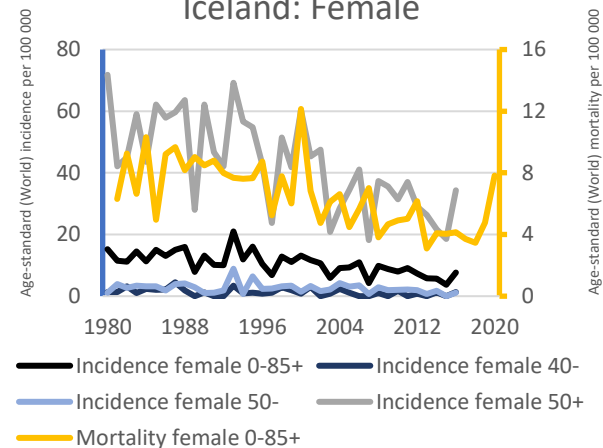
### Finland: Female

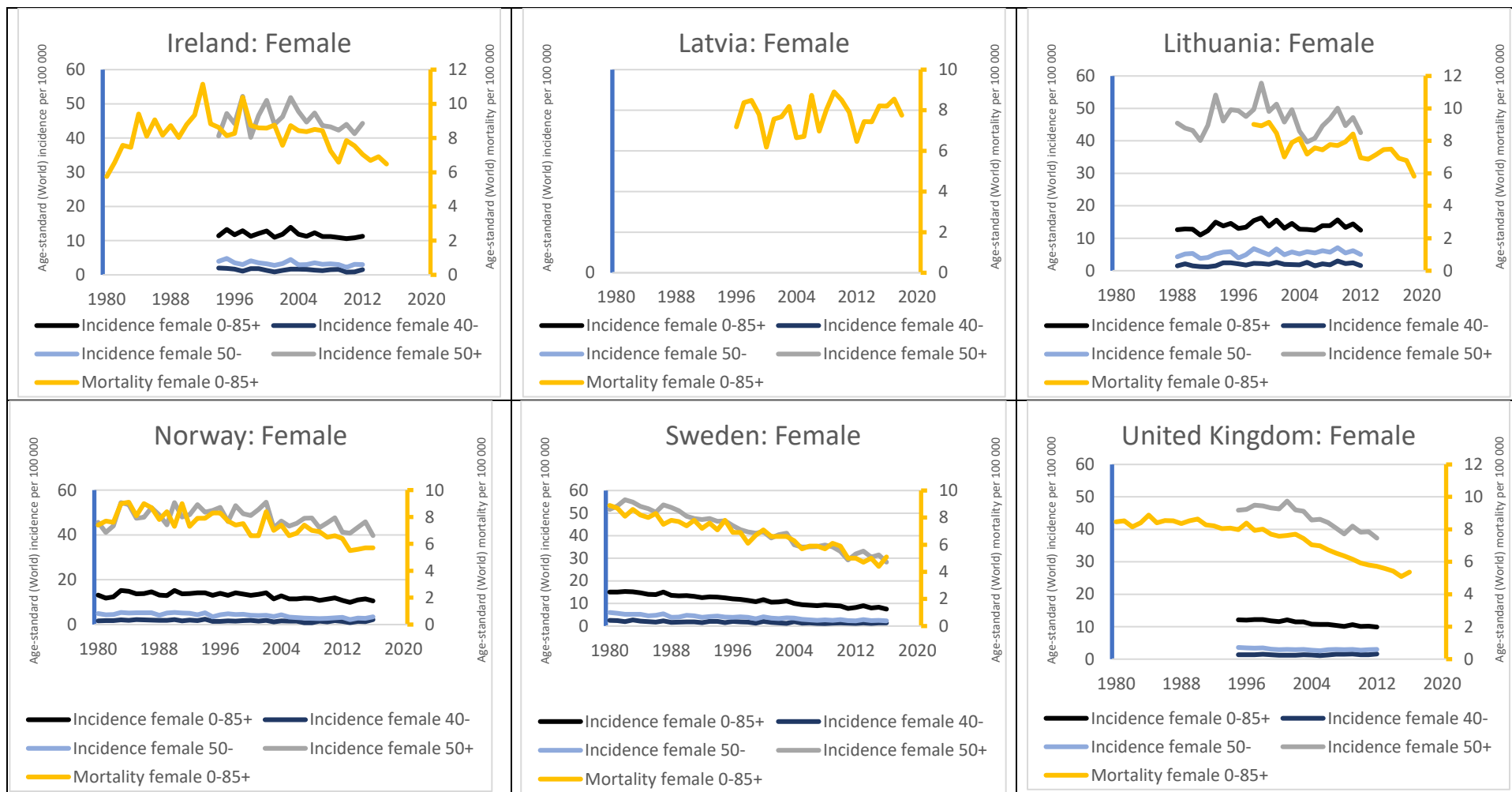


### Greenland: Female



### Iceland: Female

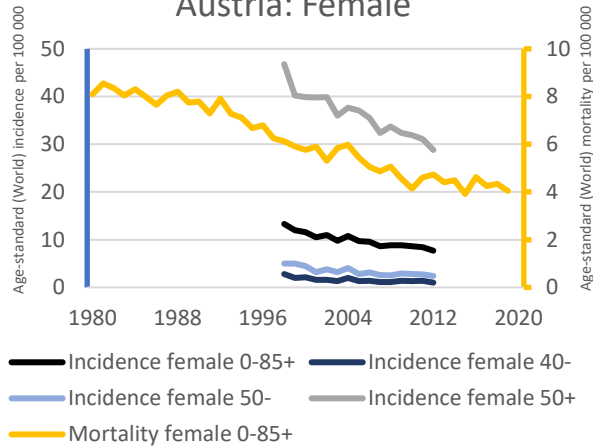




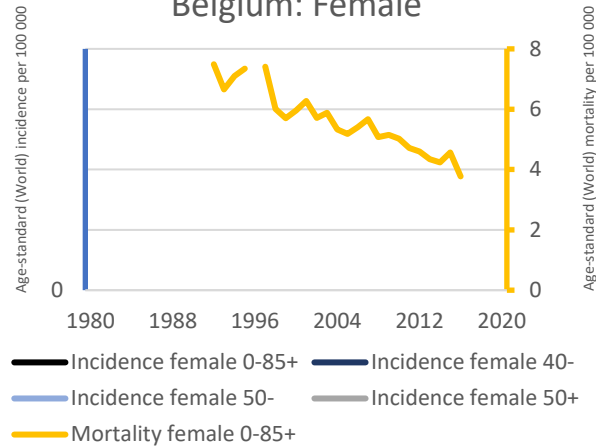


## Western Europe

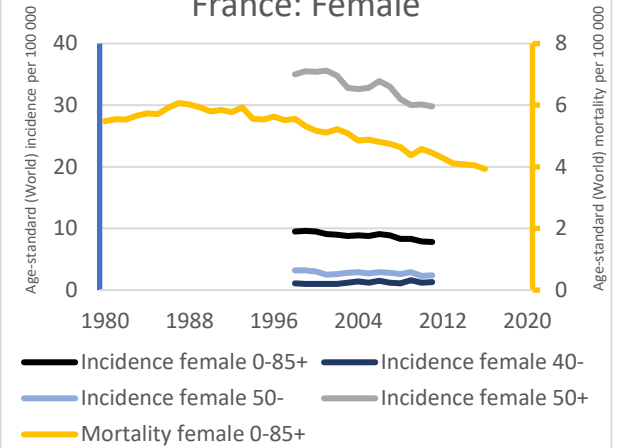
### Austria: Female



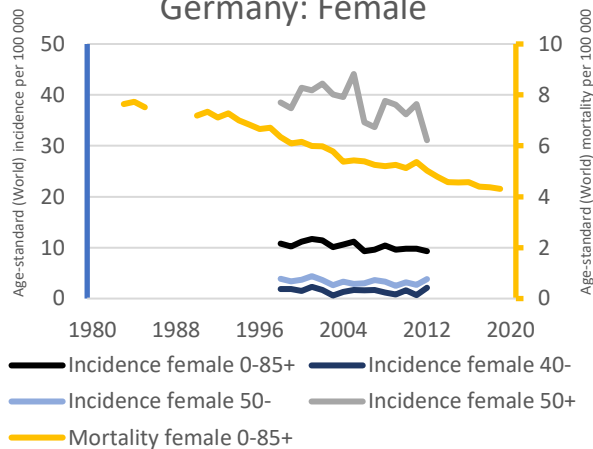
### Belgium: Female



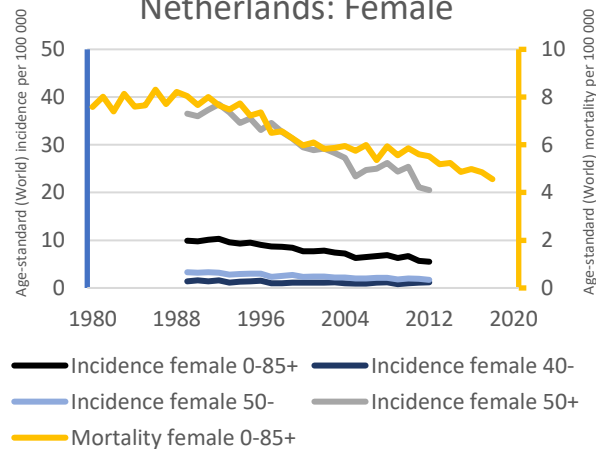
### France: Female



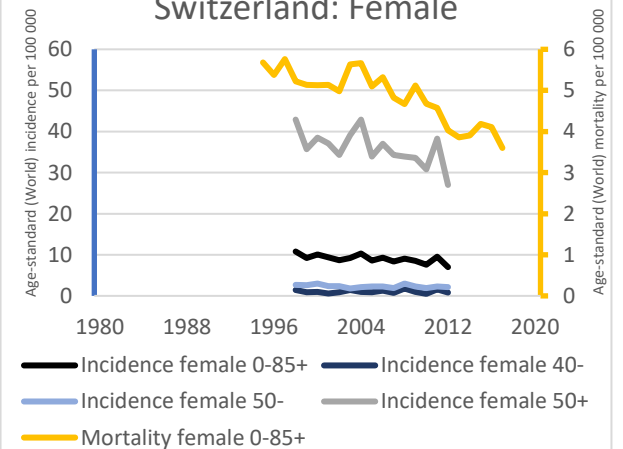
### Germany: Female



### Netherlands: Female

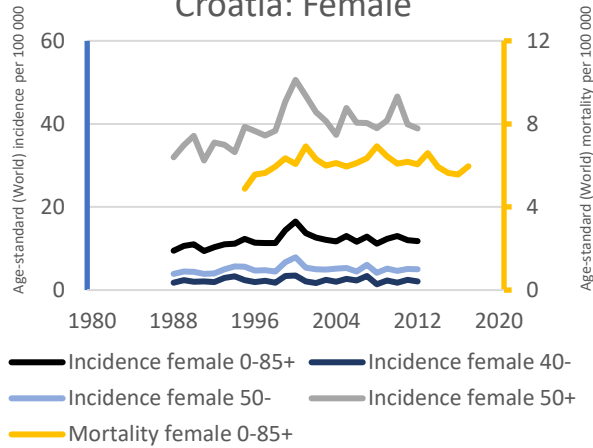


### Switzerland: Female

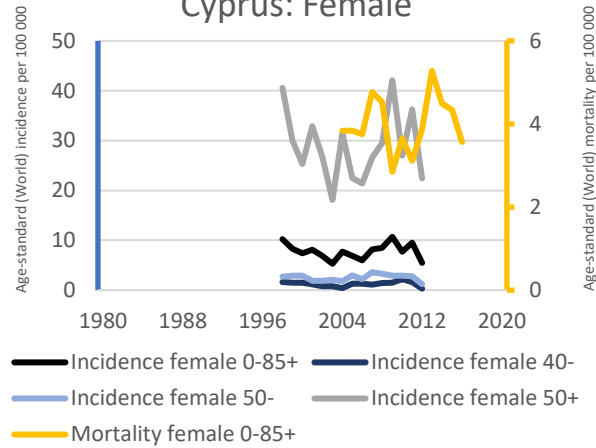


## Southern Europe

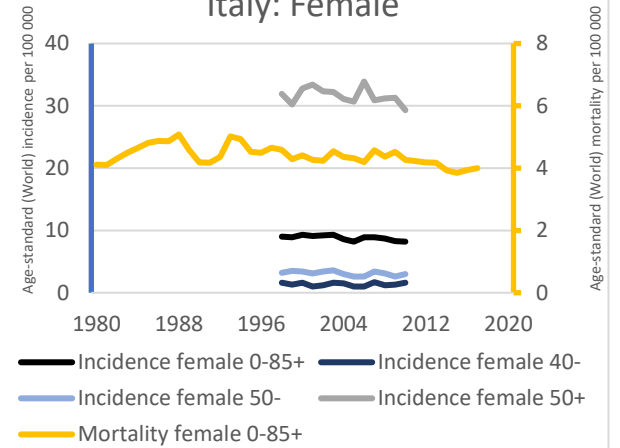
### Croatia: Female



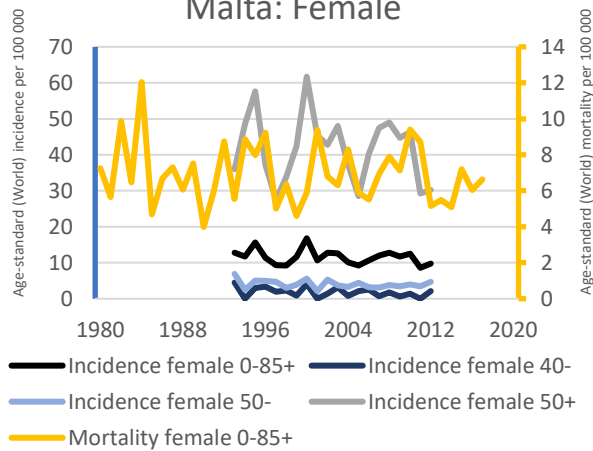
### Cyprus: Female



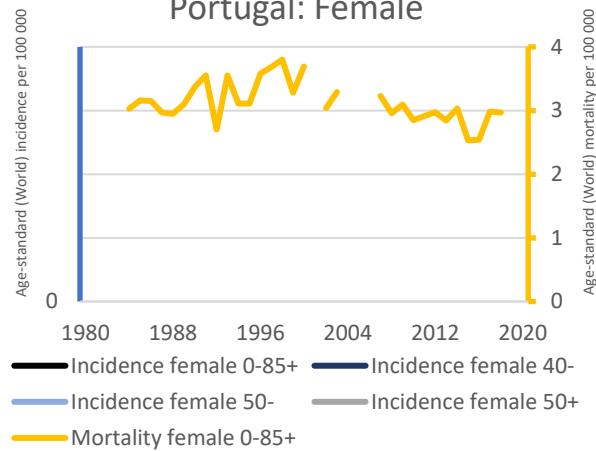
### Italy: Female



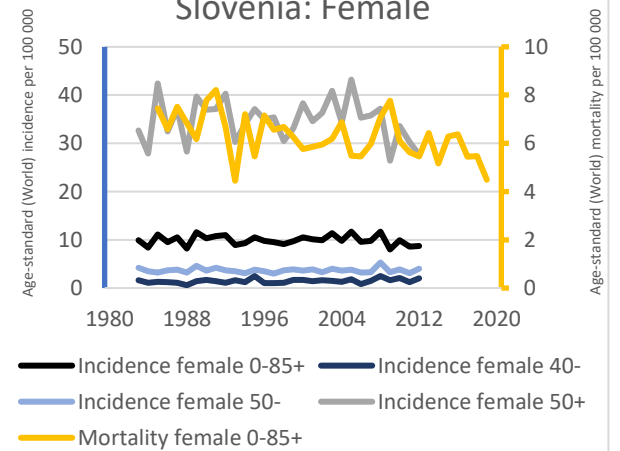
### Malta: Female

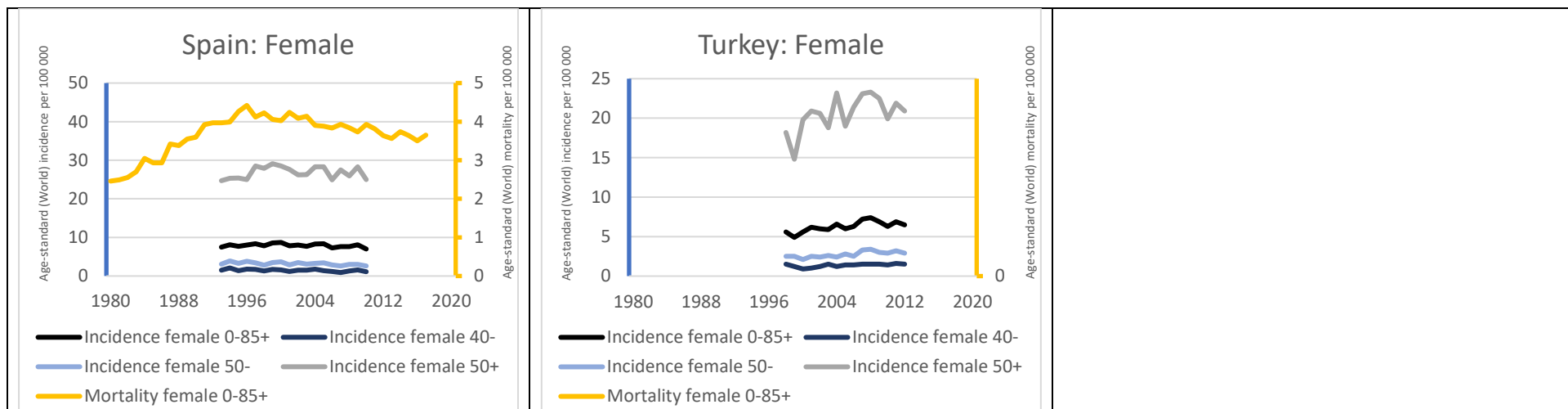


### Portugal: Female



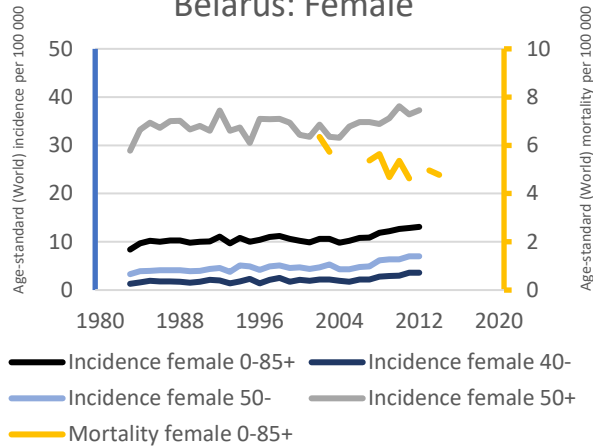
### Slovenia: Female



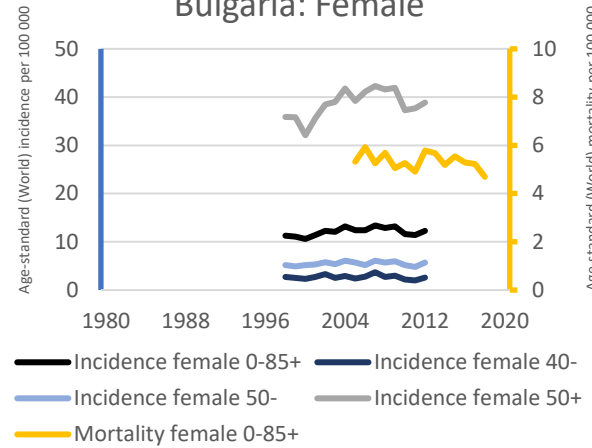


## Eastern Europe

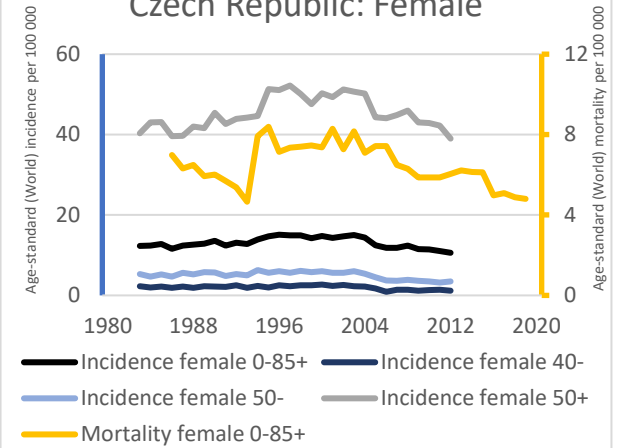
### Belarus: Female



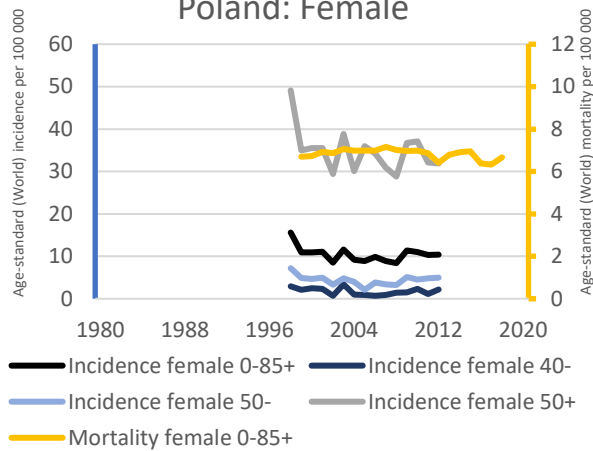
### Bulgaria: Female



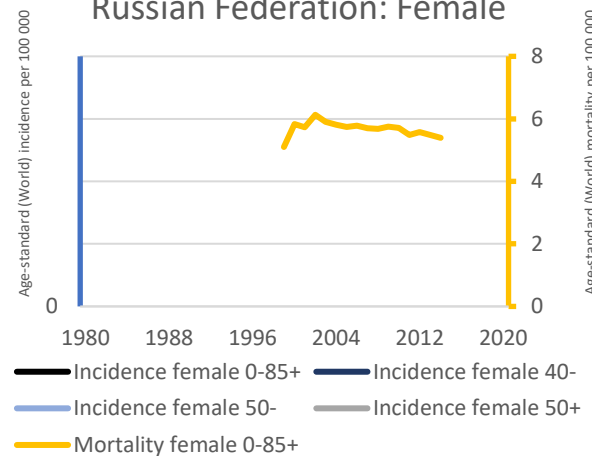
### Czech Republic: Female



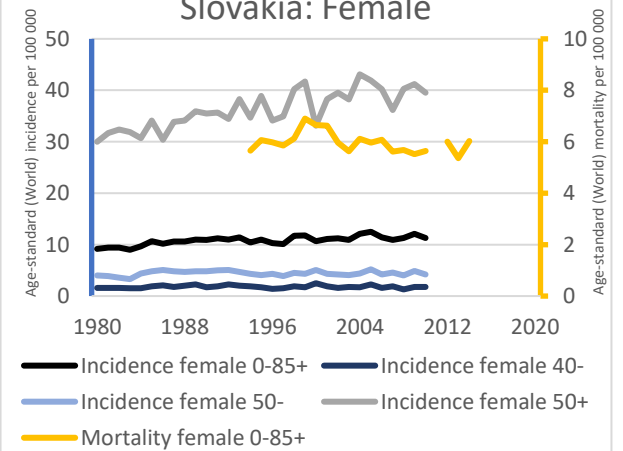
### Poland: Female



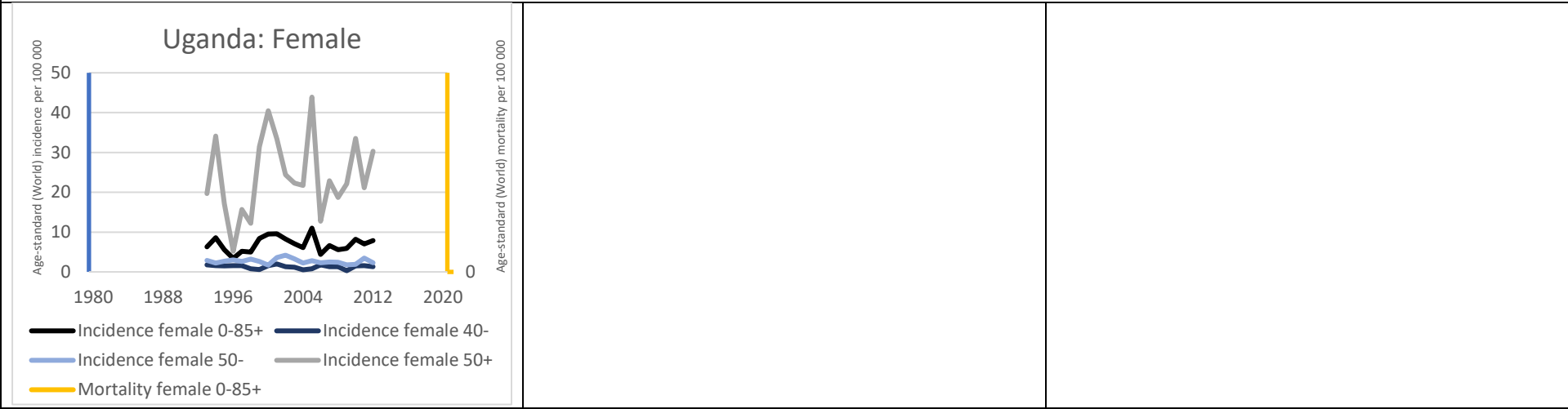
### Russian Federation: Female



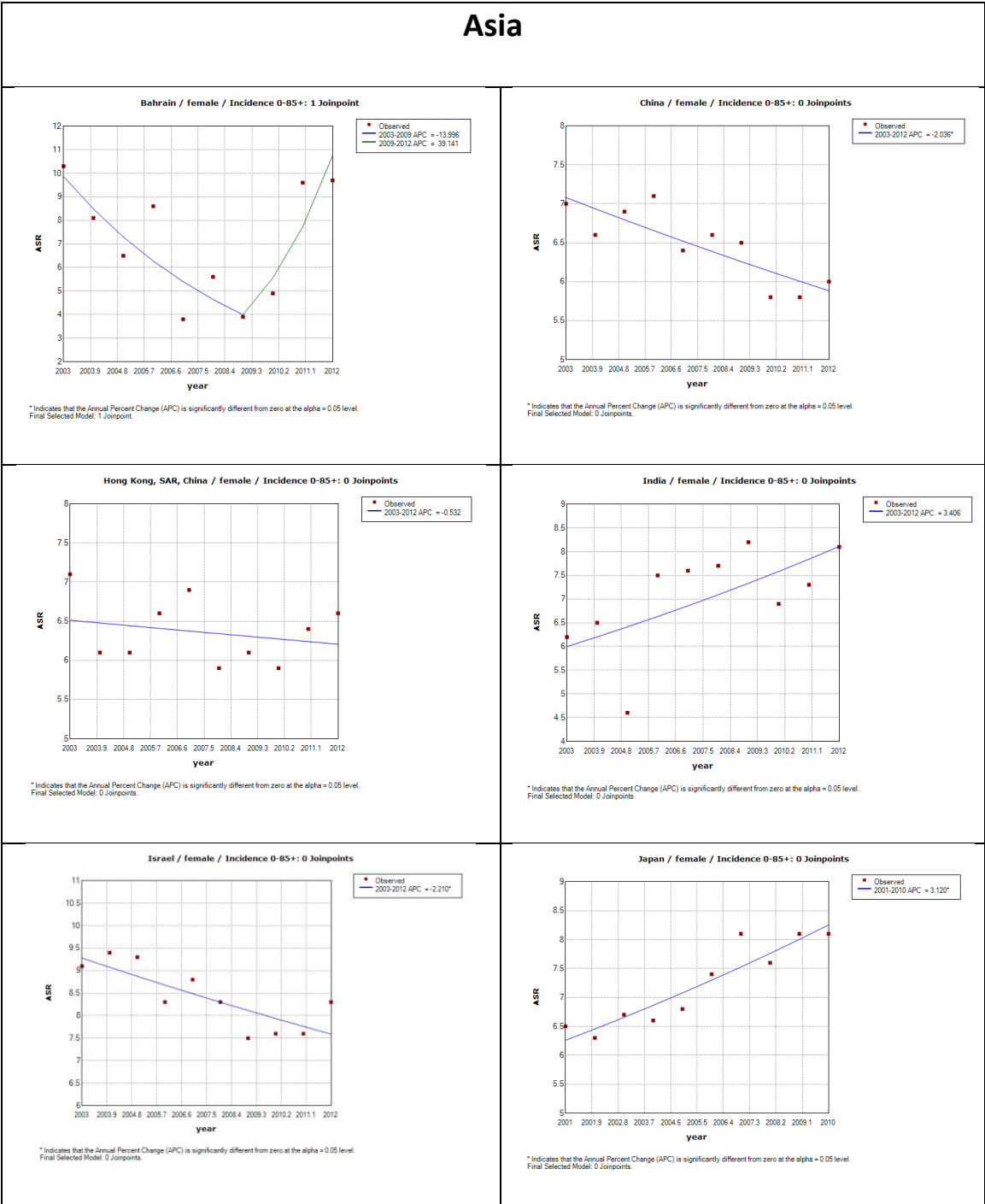
### Slovakia: Female

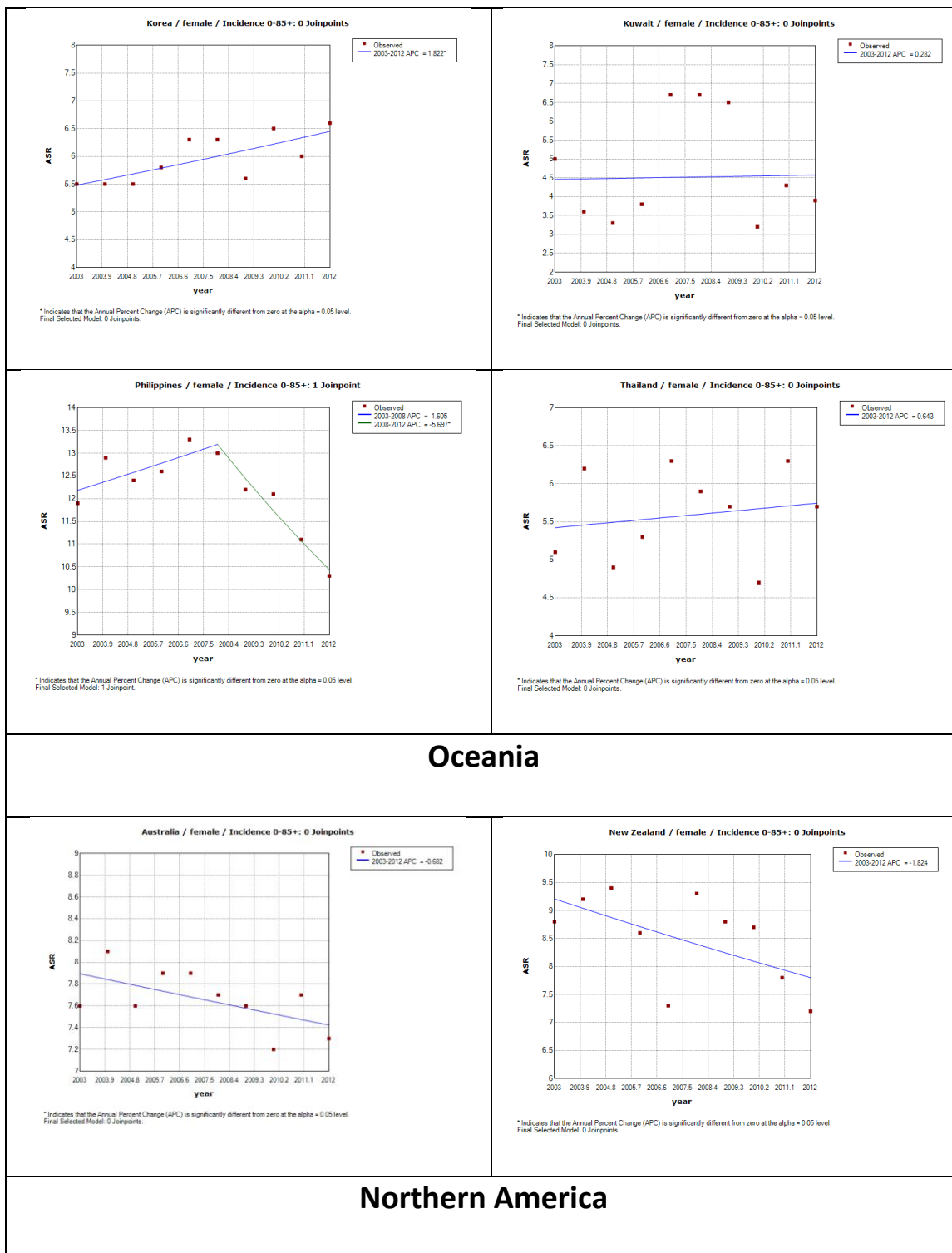


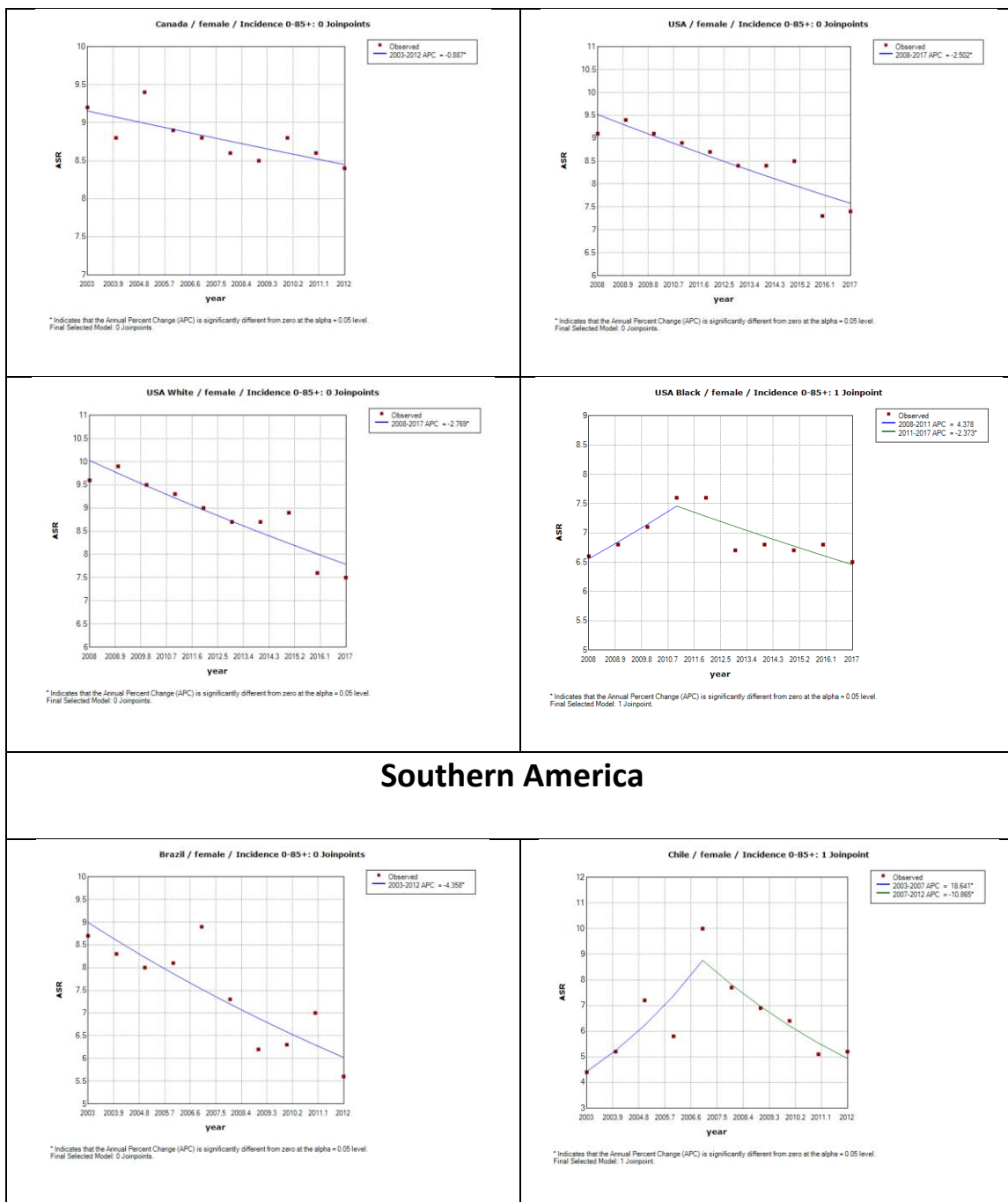
Africa



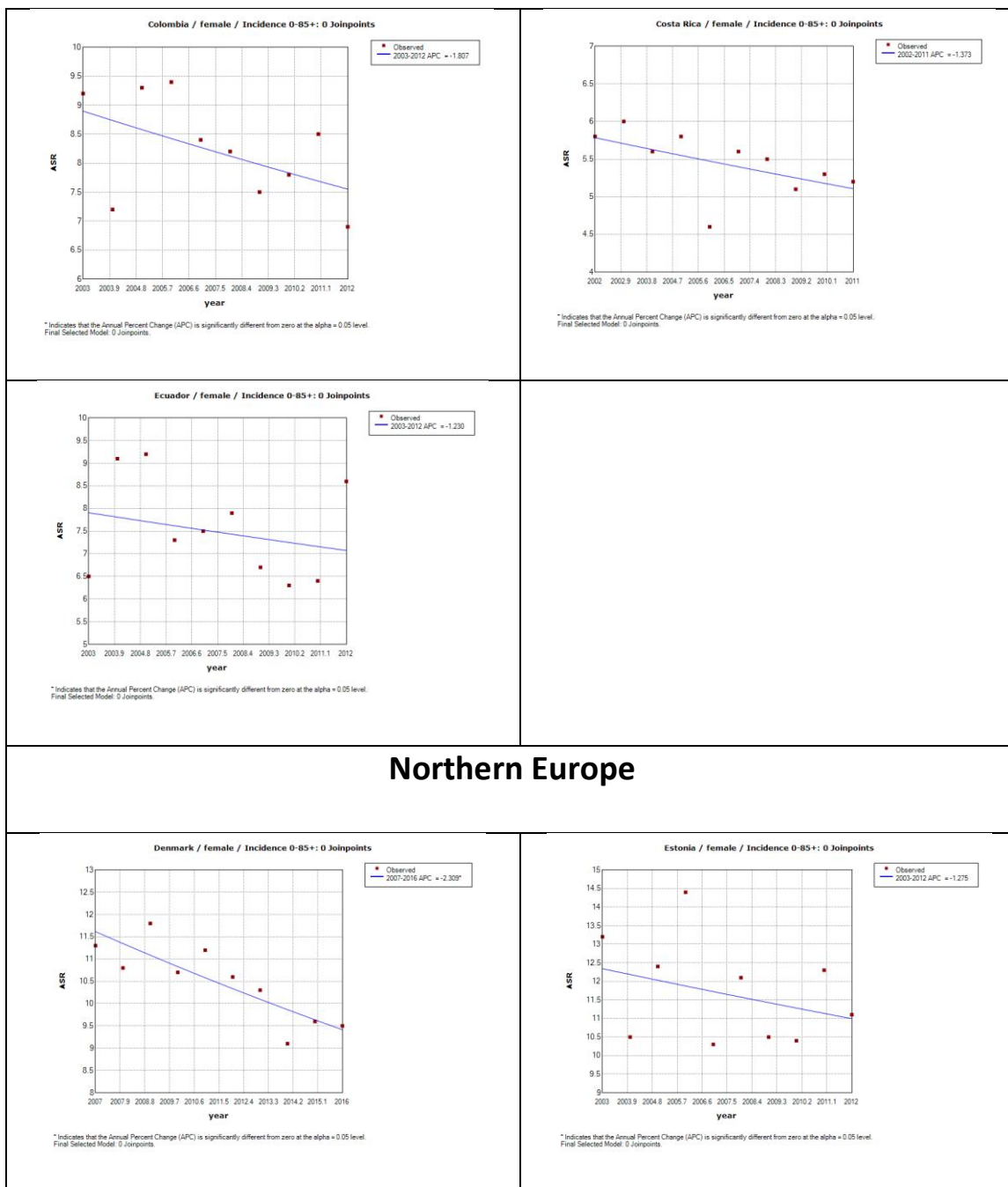
**Supplementary Figure S2: The graphs of the joinpoint regression**  
output a.) Incidence female all ages

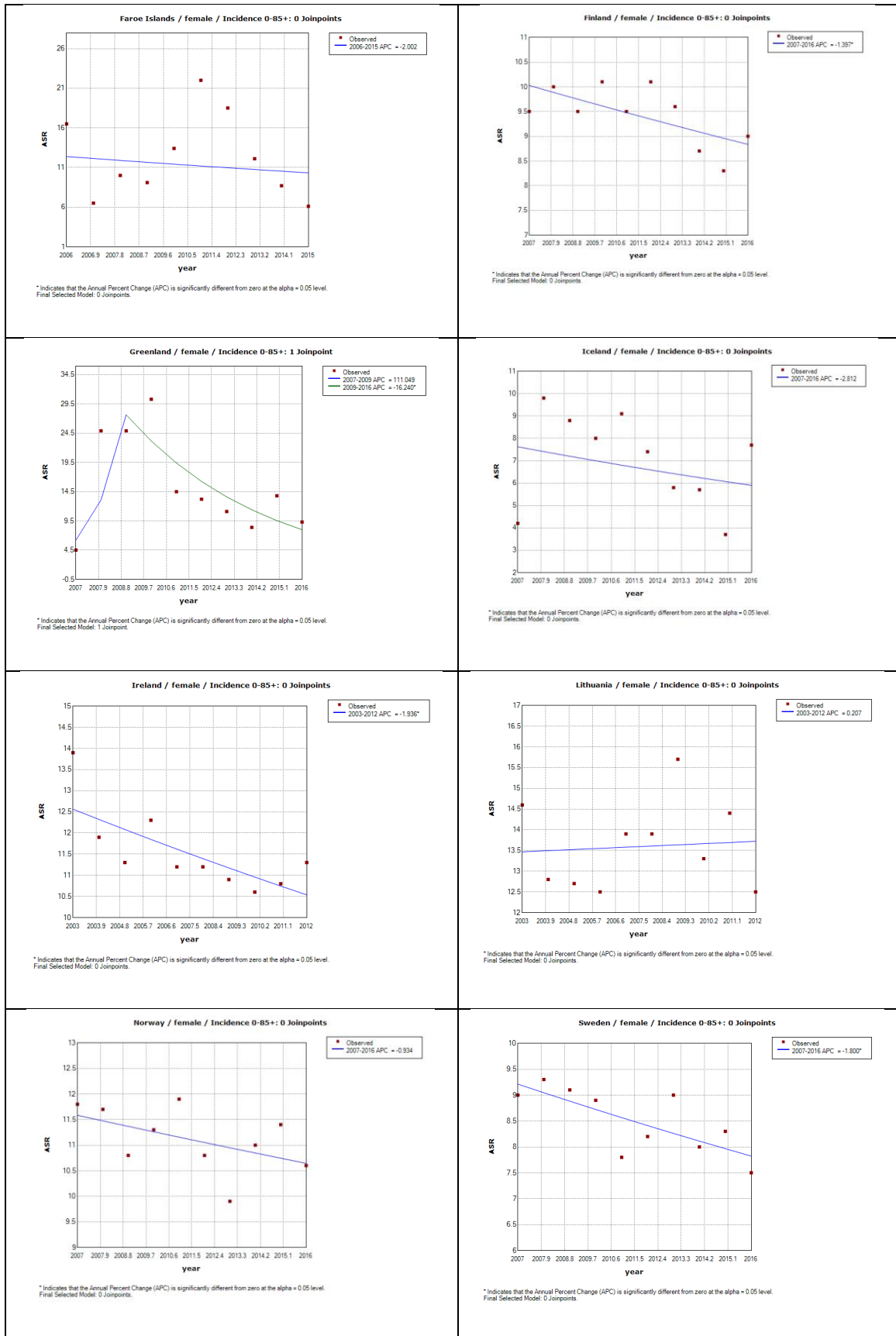


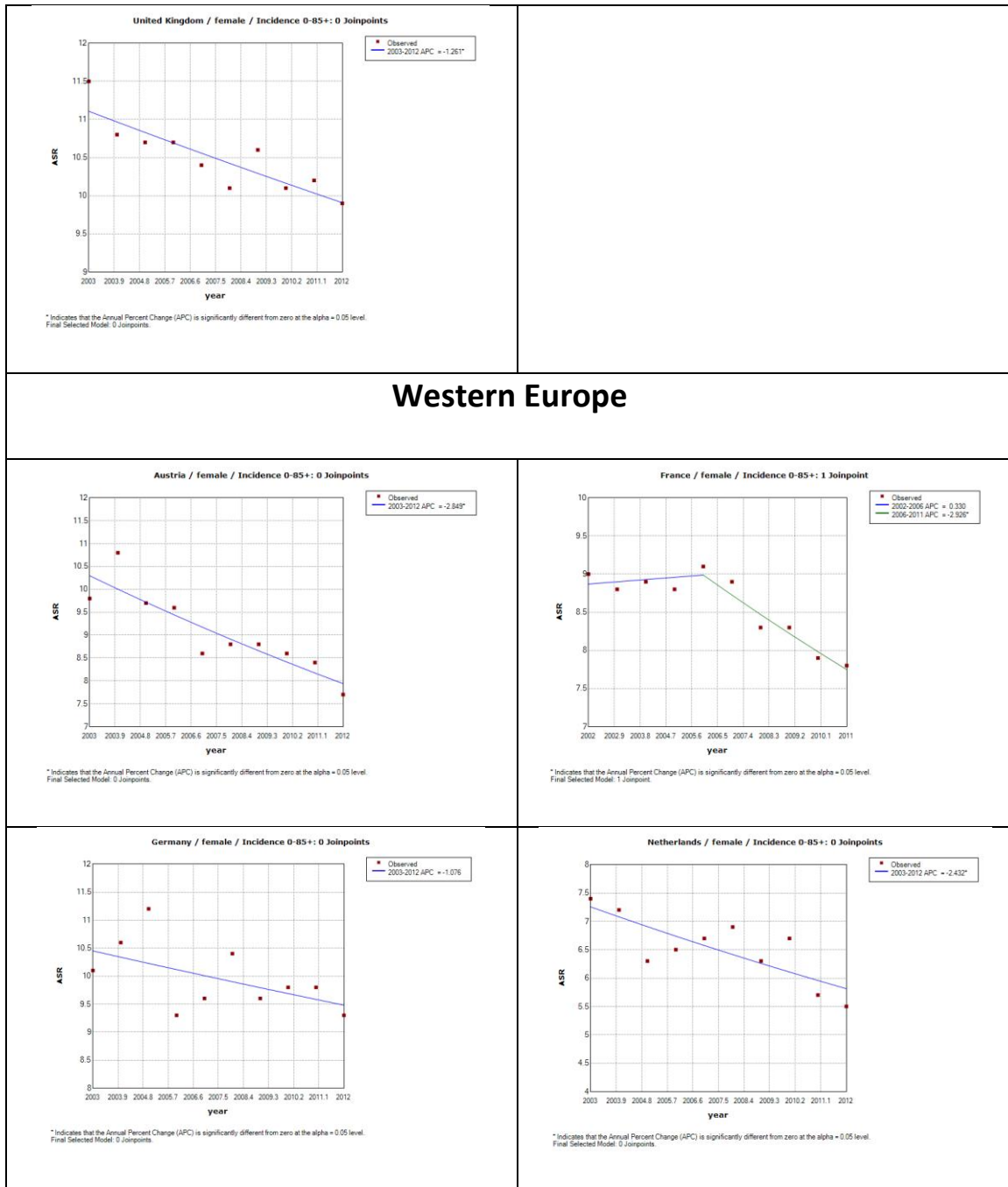


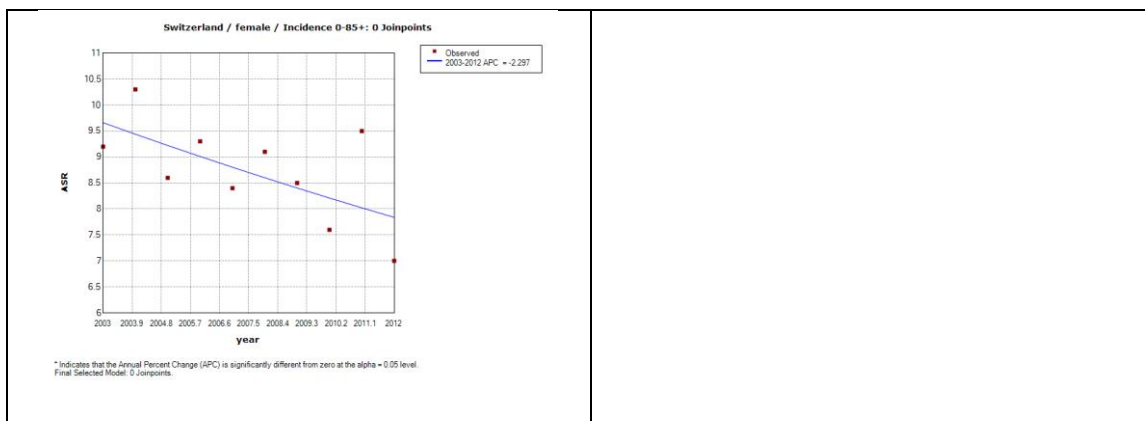




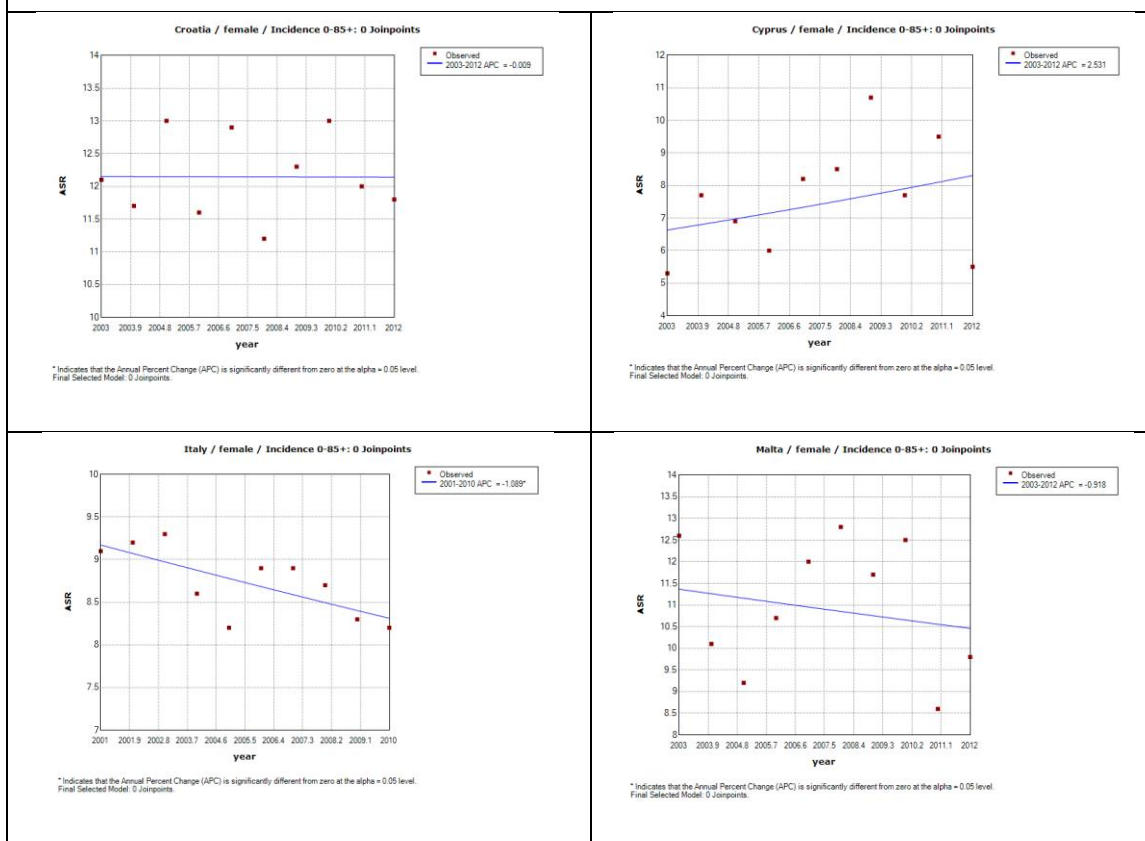


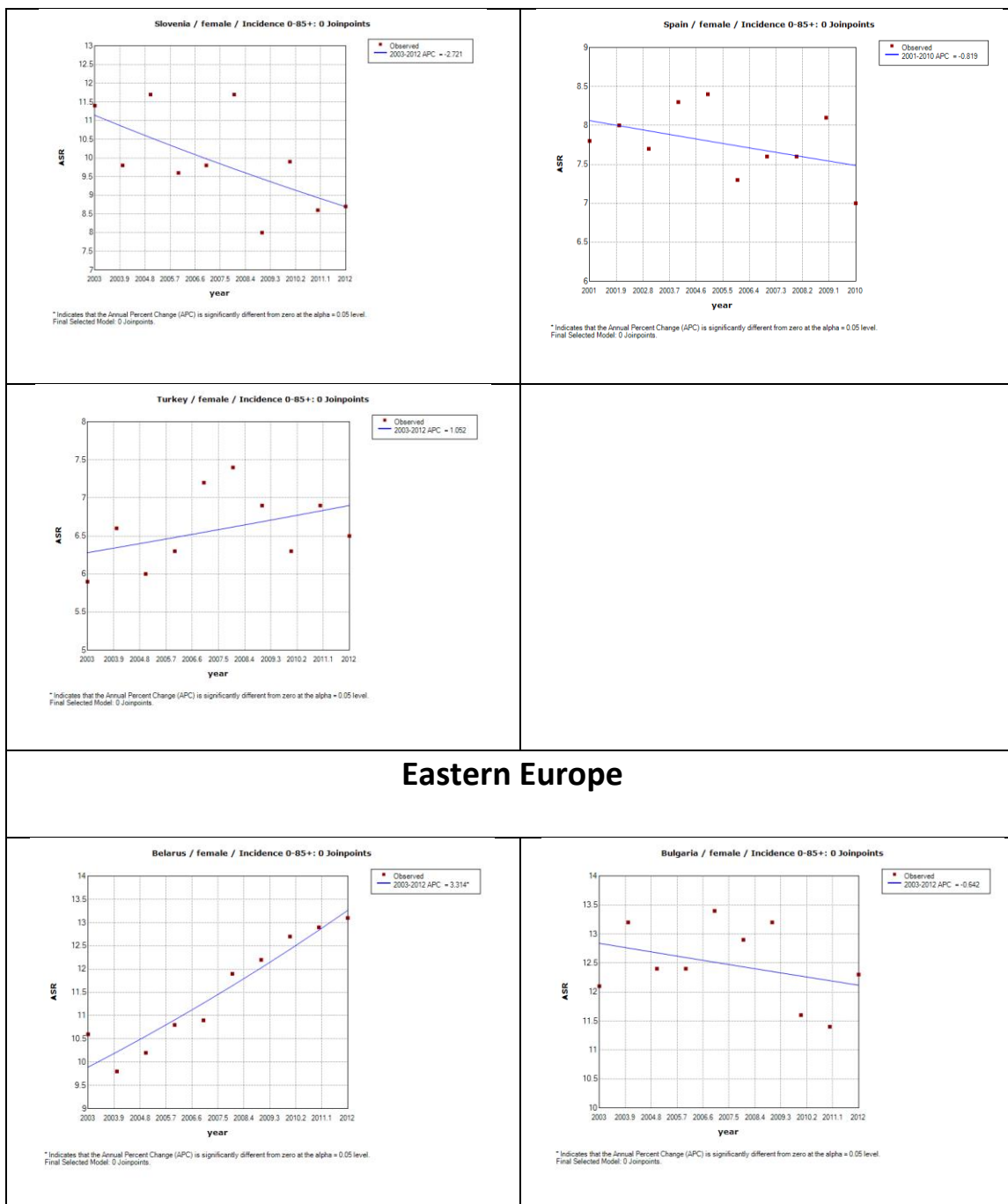


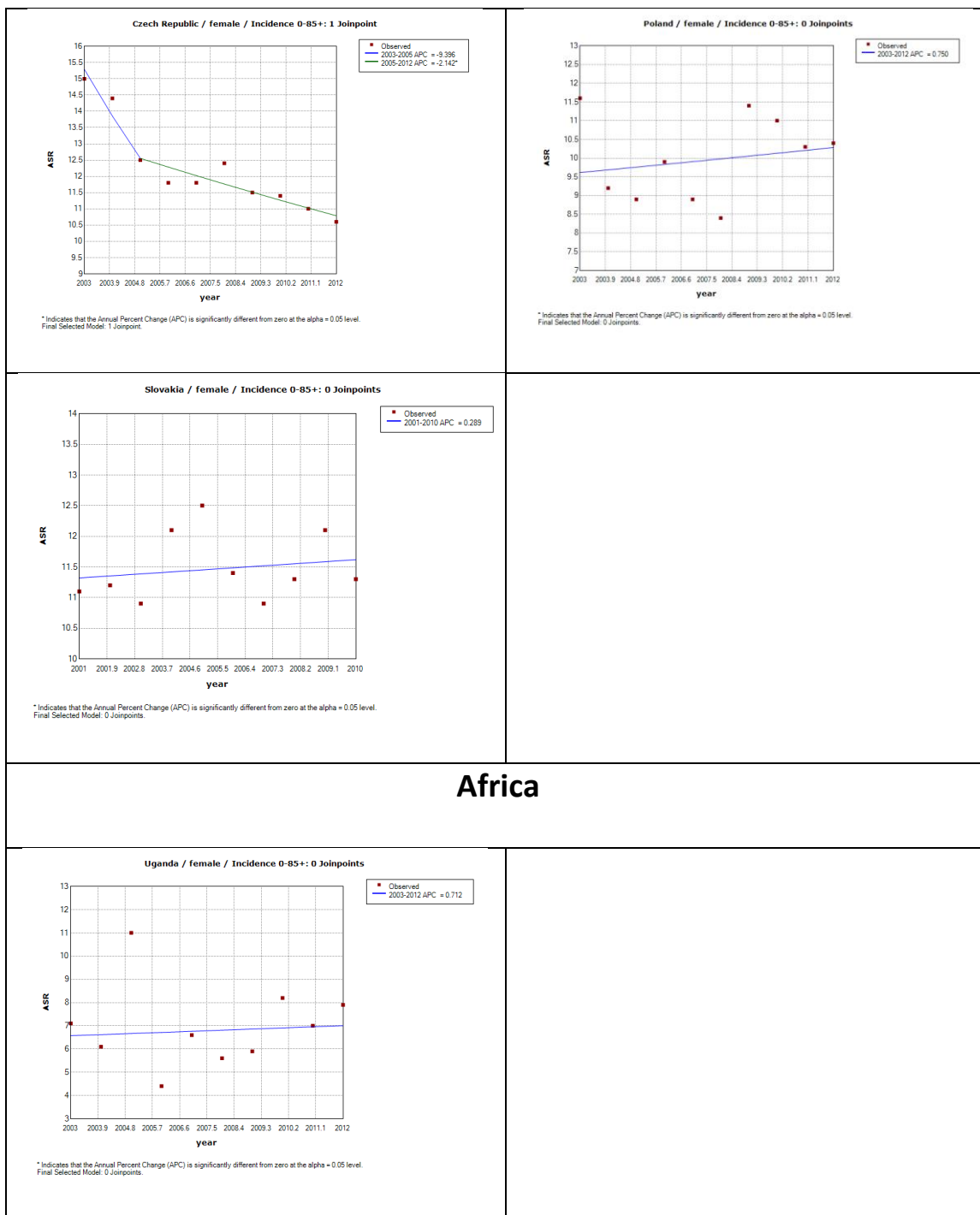




## Southern Europe

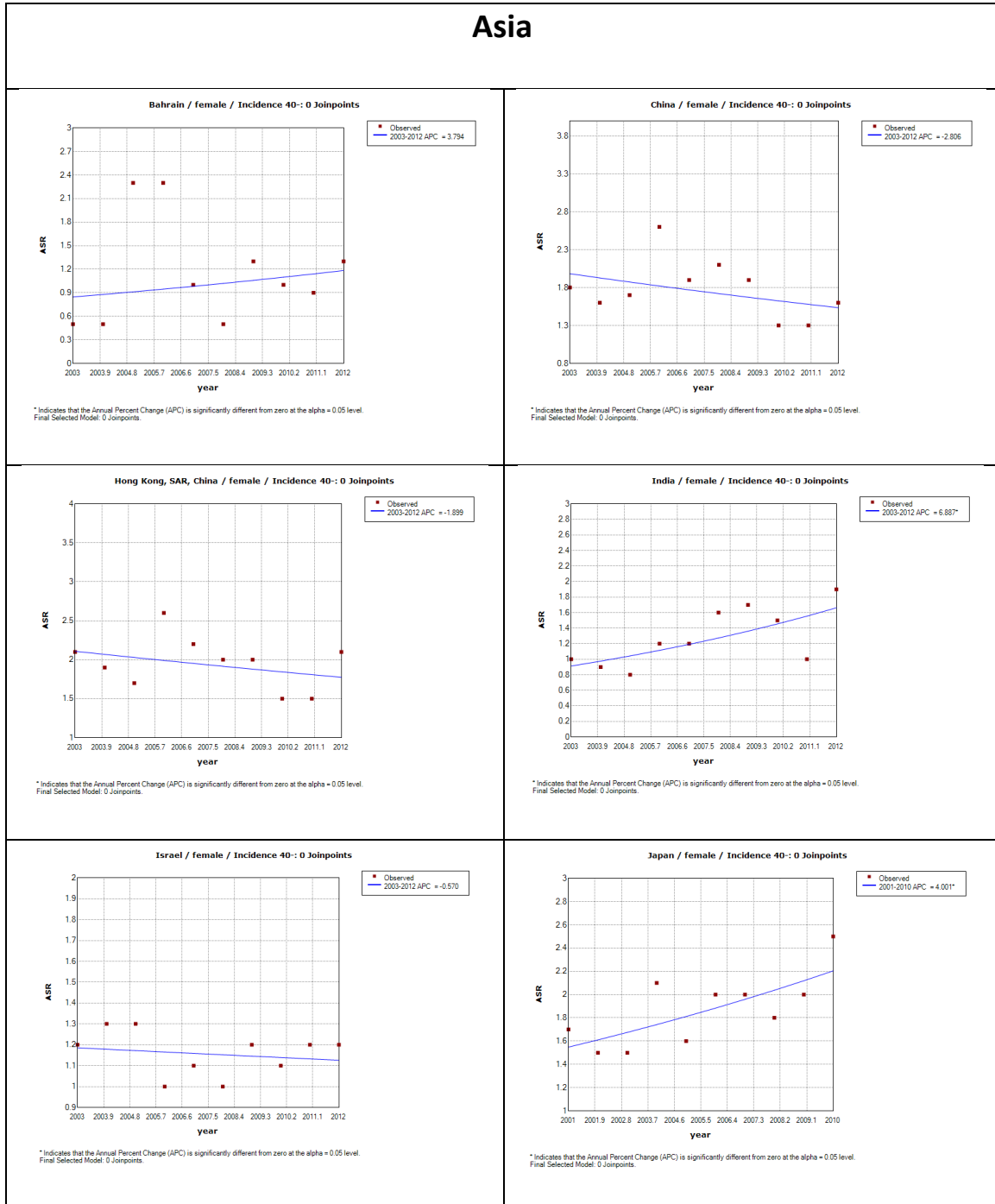


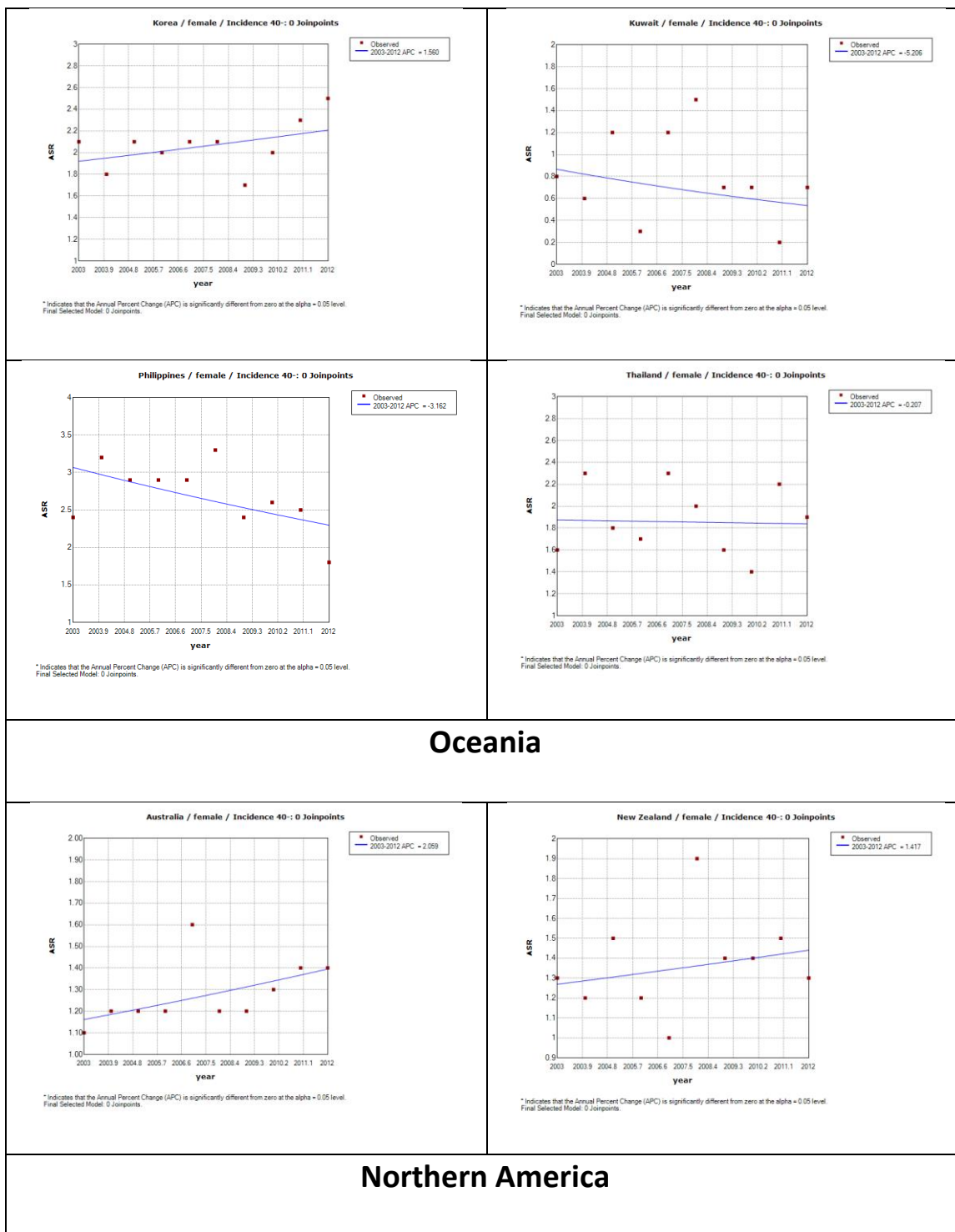




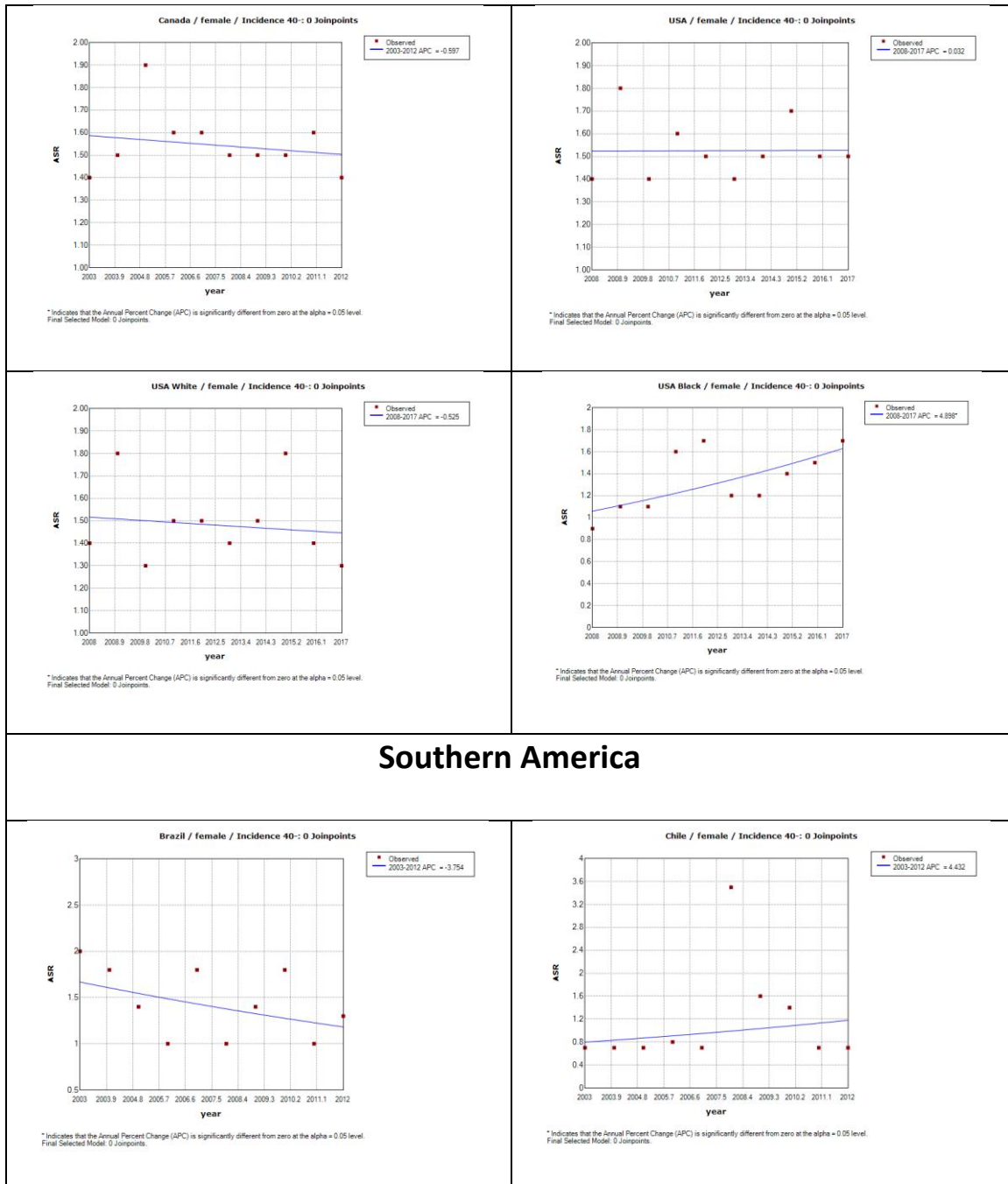
b.) Incidence female below 40 years old

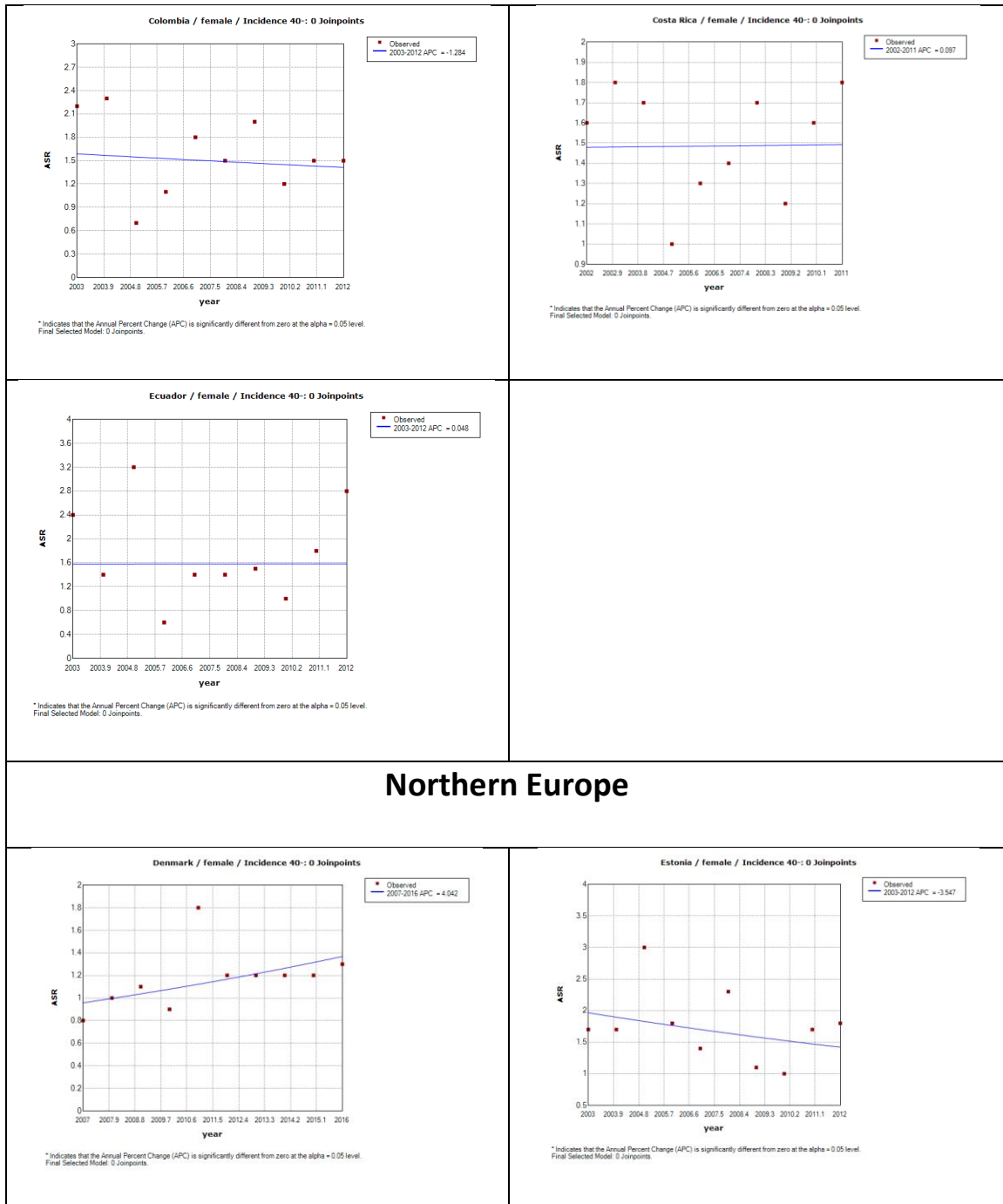
## Asia

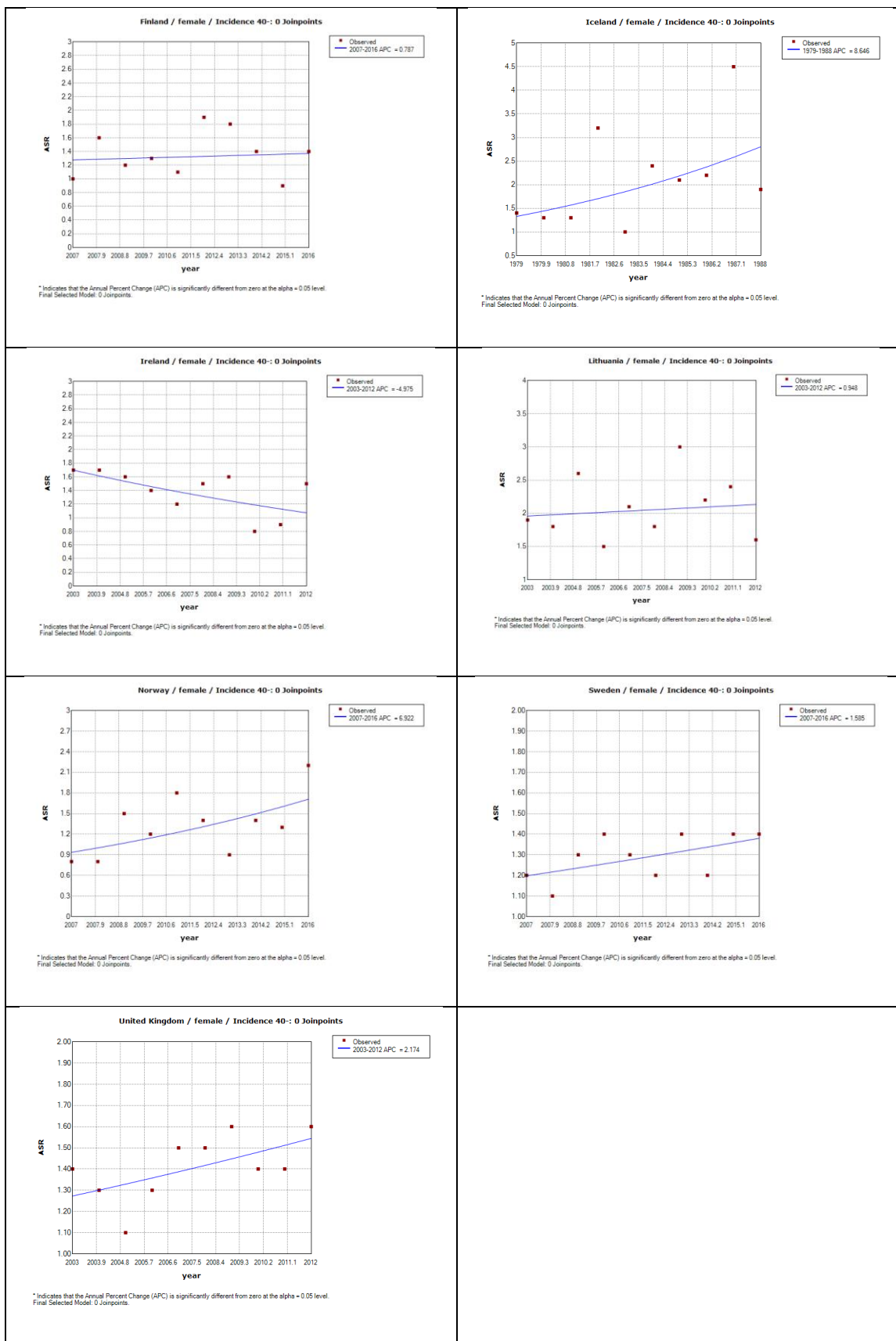






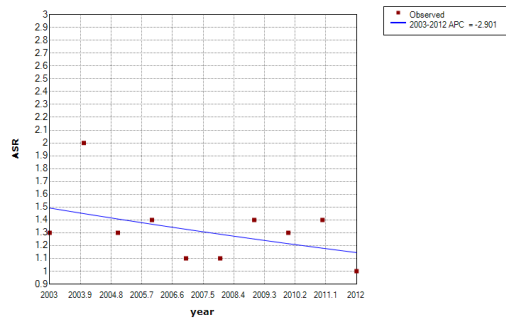






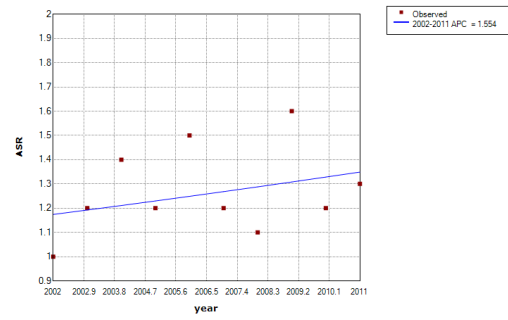
## Western Europe

Austria / female / Incidence 40+: 0 Joinspoints



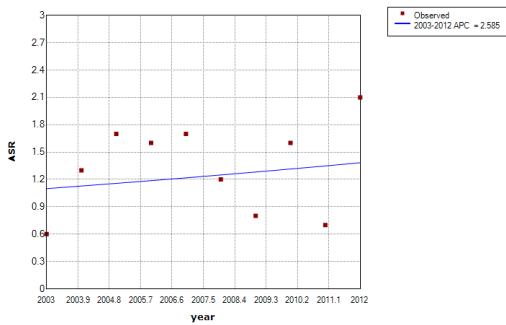
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinspoints

France / female / Incidence 40+: 0 Joinspoints



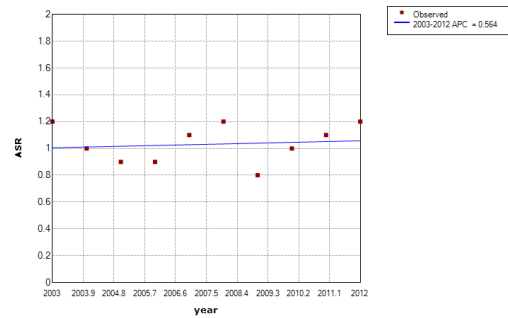
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinspoints

Germany / female / Incidence 40+: 0 Joinspoints



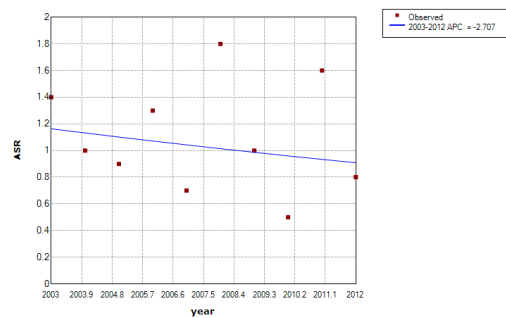
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinspoints

Netherlands / female / Incidence 40+: 0 Joinspoints



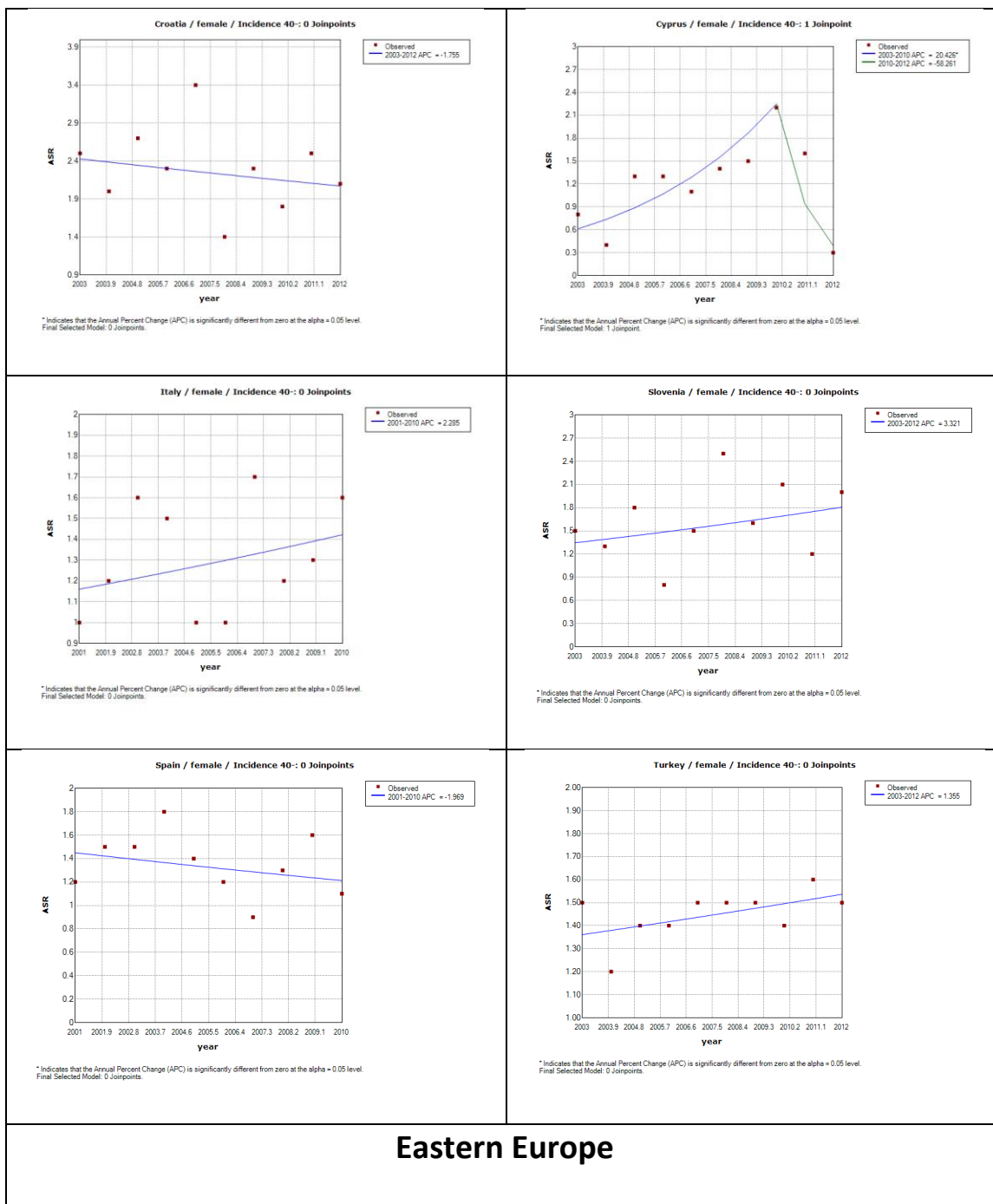
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinspoints

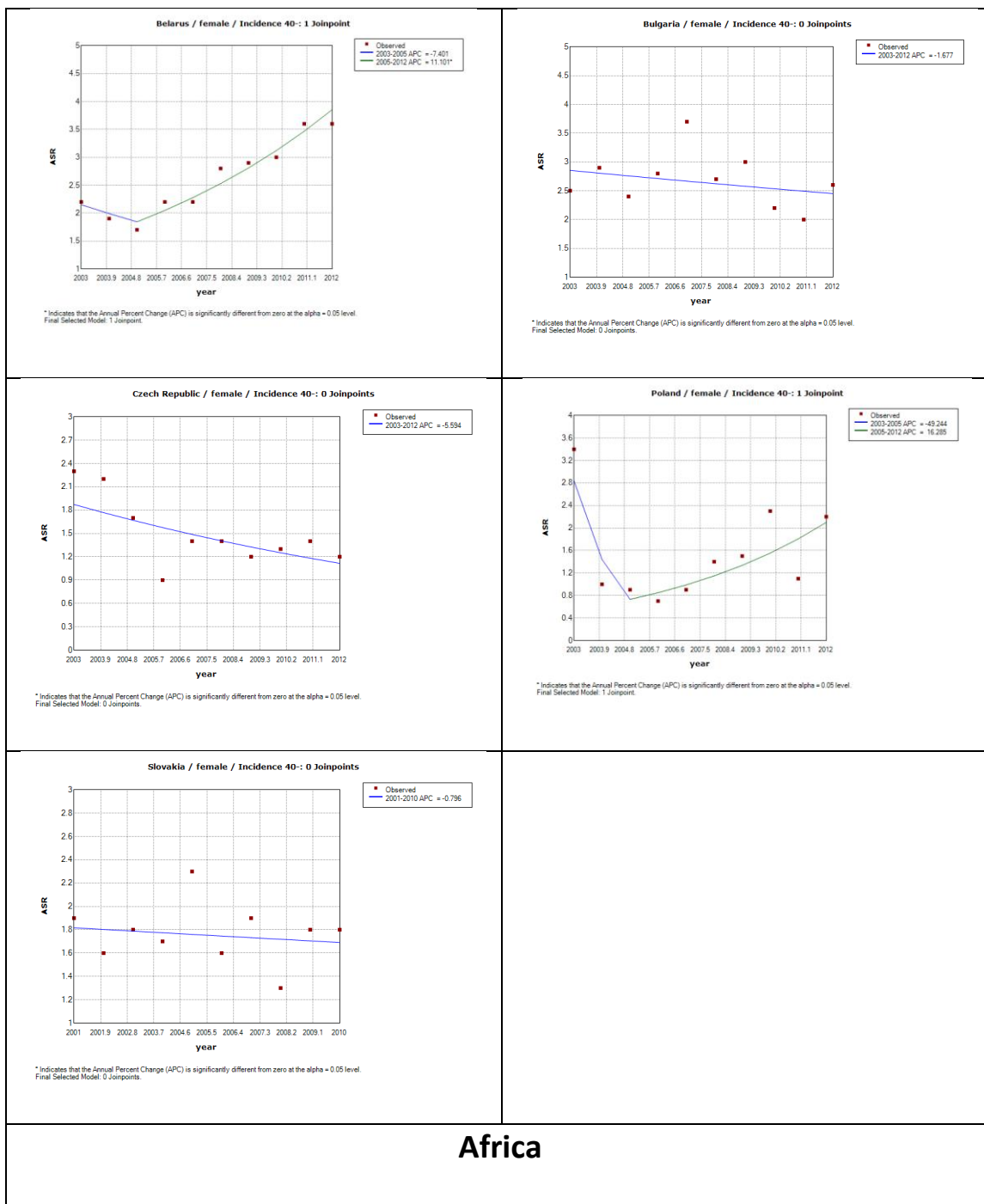
Switzerland / female / Incidence 40+: 0 Joinspoints

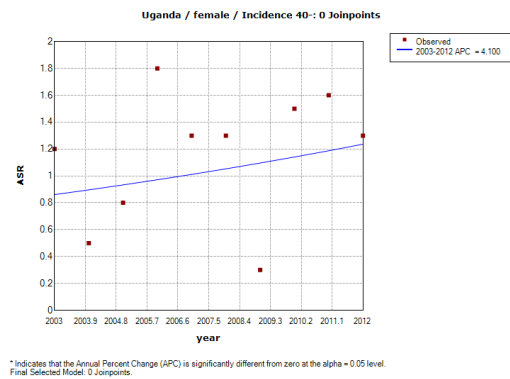


\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinspoints

## Southern Europe

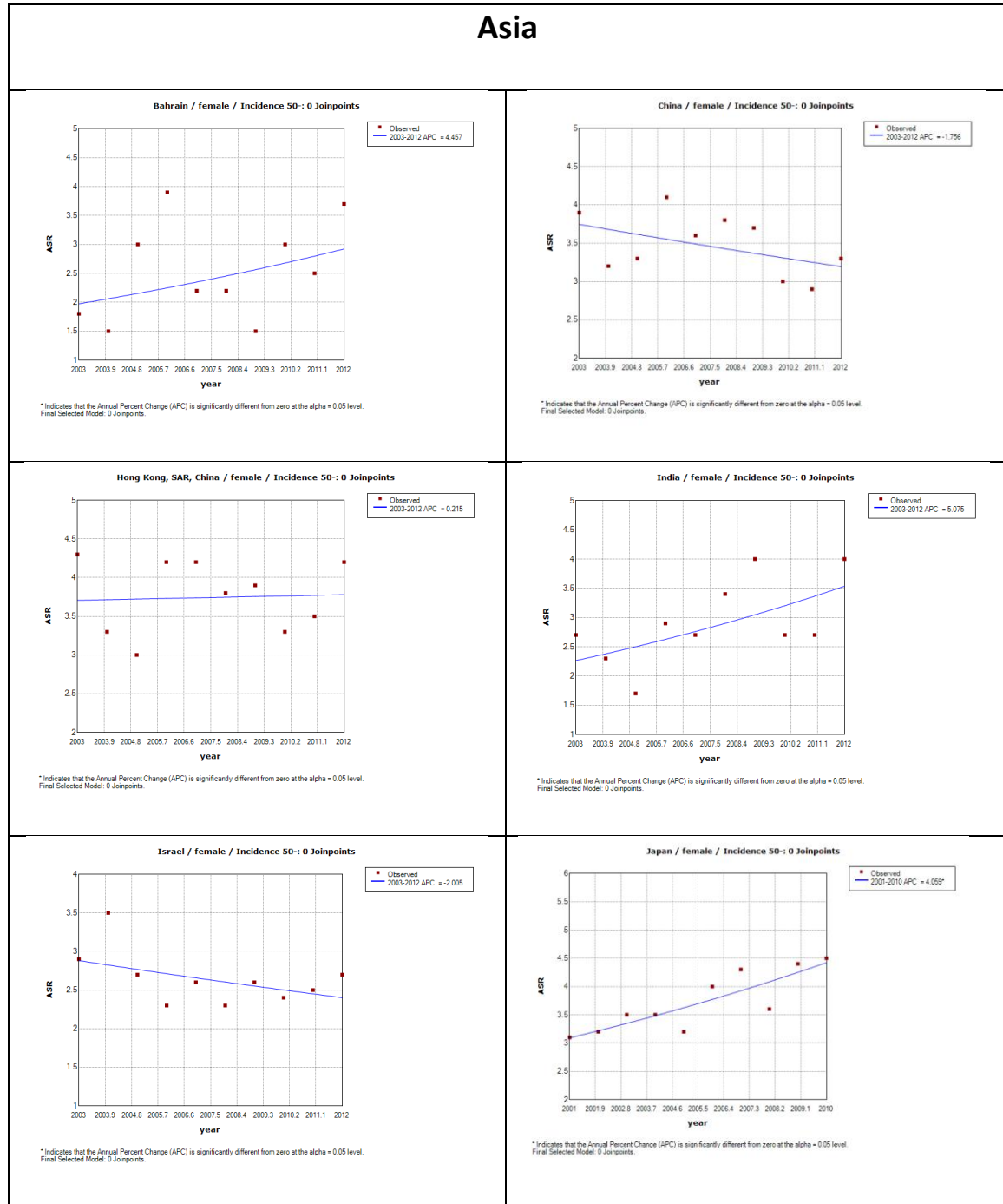




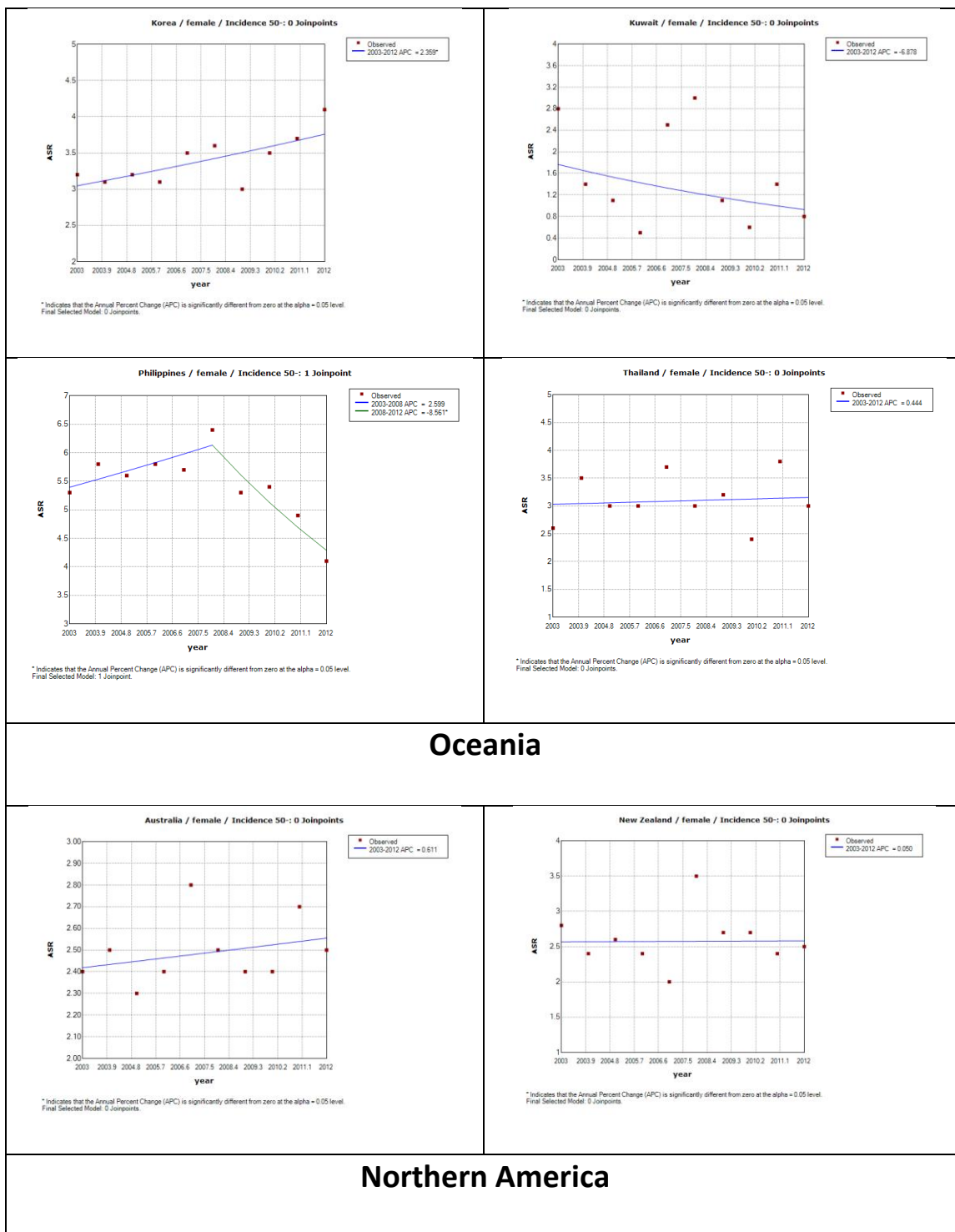


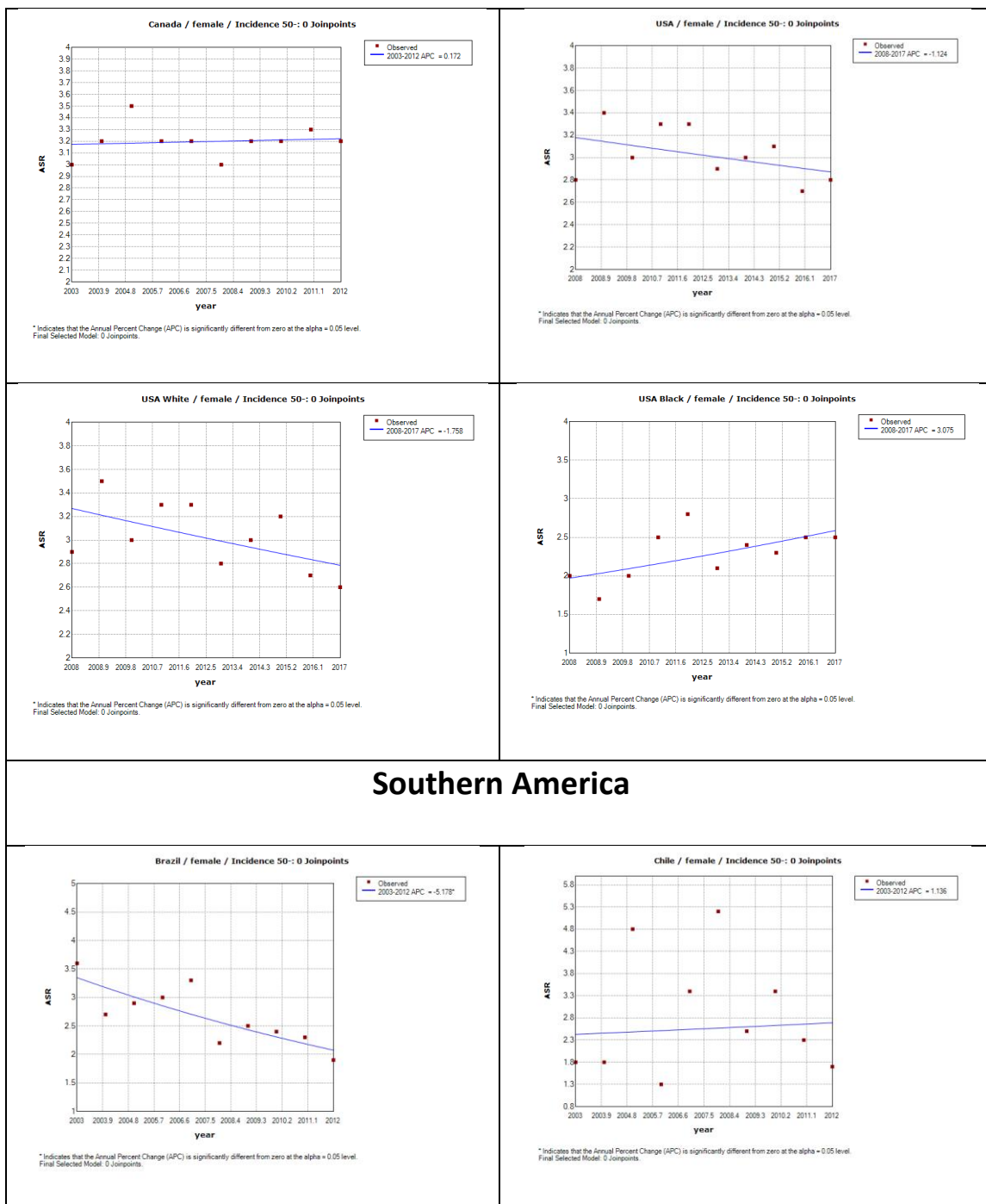
c.) Incidence female below 50 years old

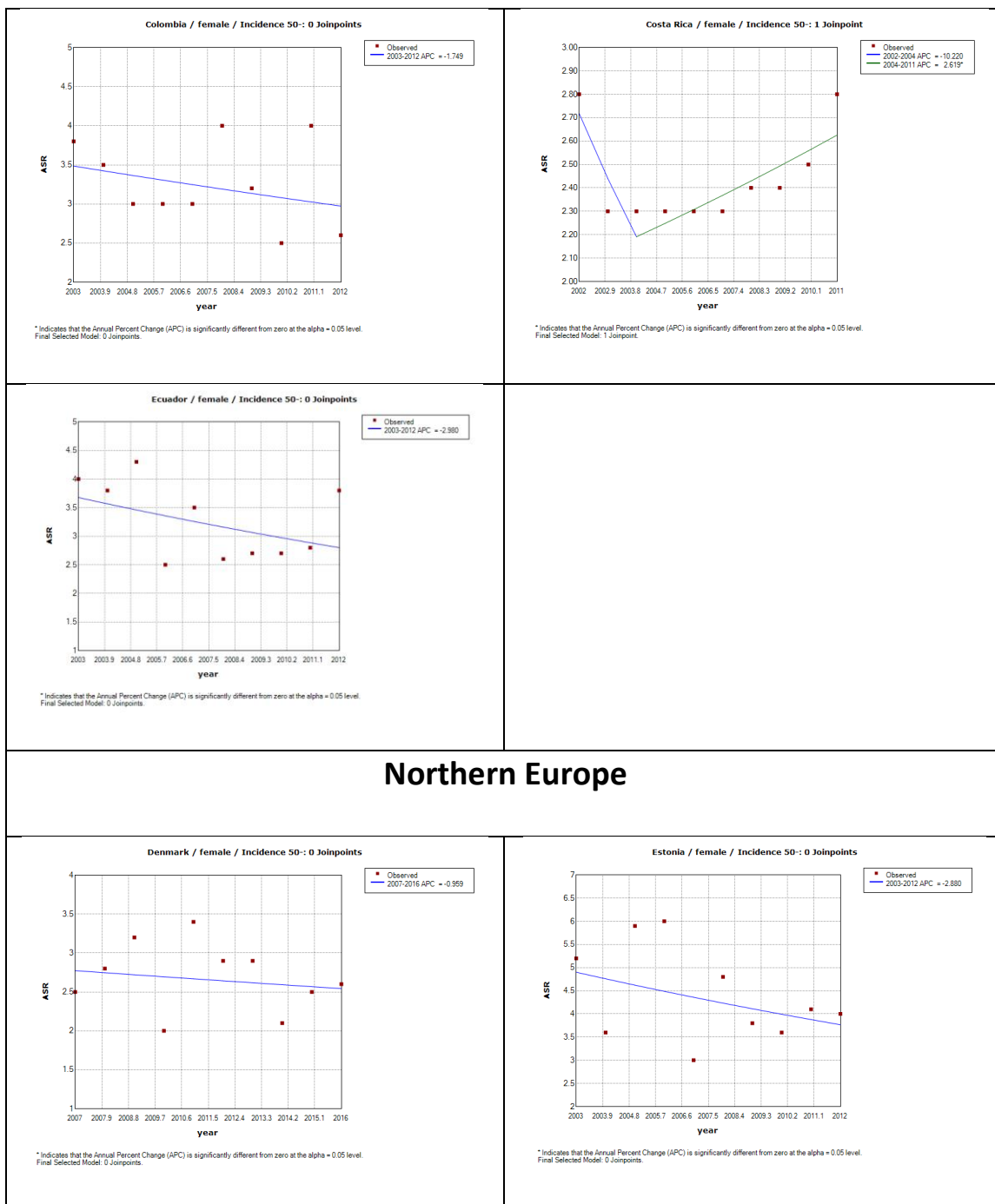
## Asia

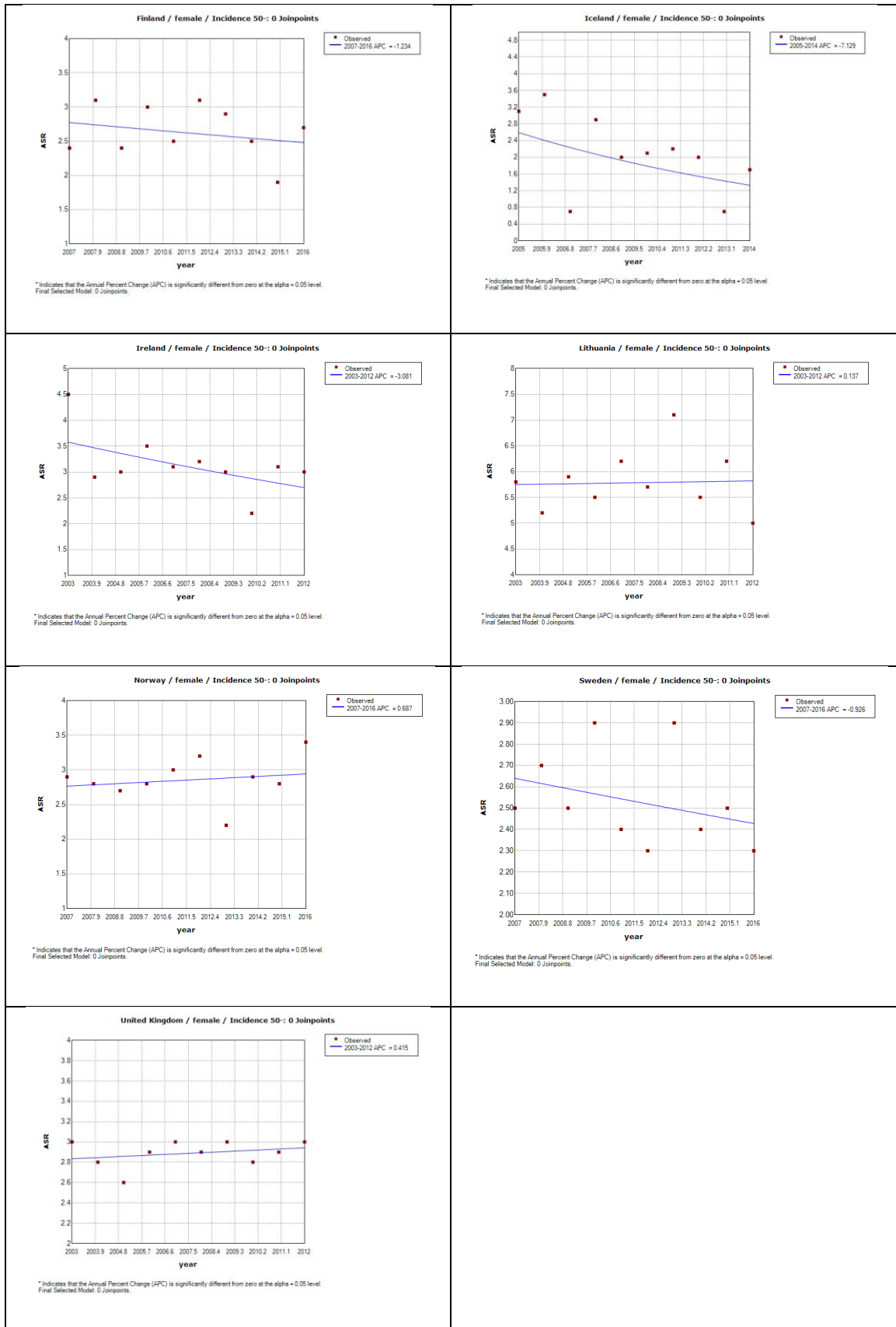






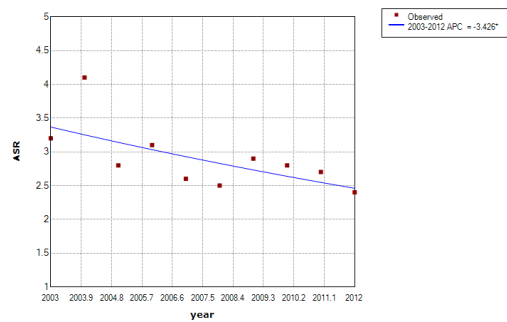






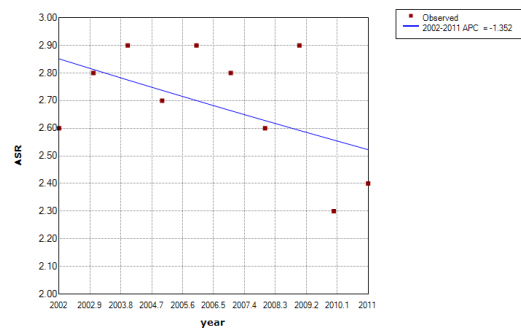
## Western Europe

Austria / female / Incidence 50+: 0 Joinpoints



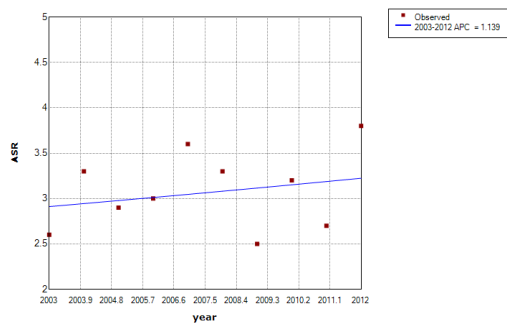
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints.

France / female / Incidence 50+: 0 Joinpoints



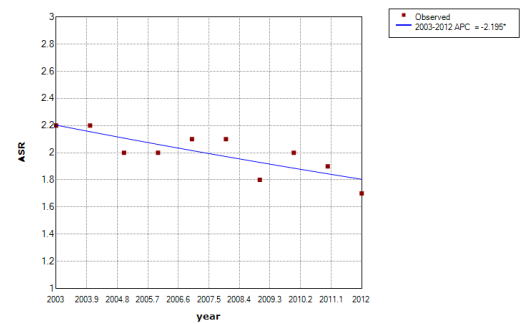
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints.

Germany / female / Incidence 50+: 0 Joinpoints



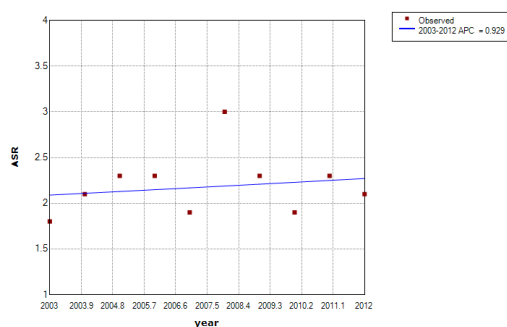
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints.

Netherlands / female / Incidence 50+: 0 Joinpoints



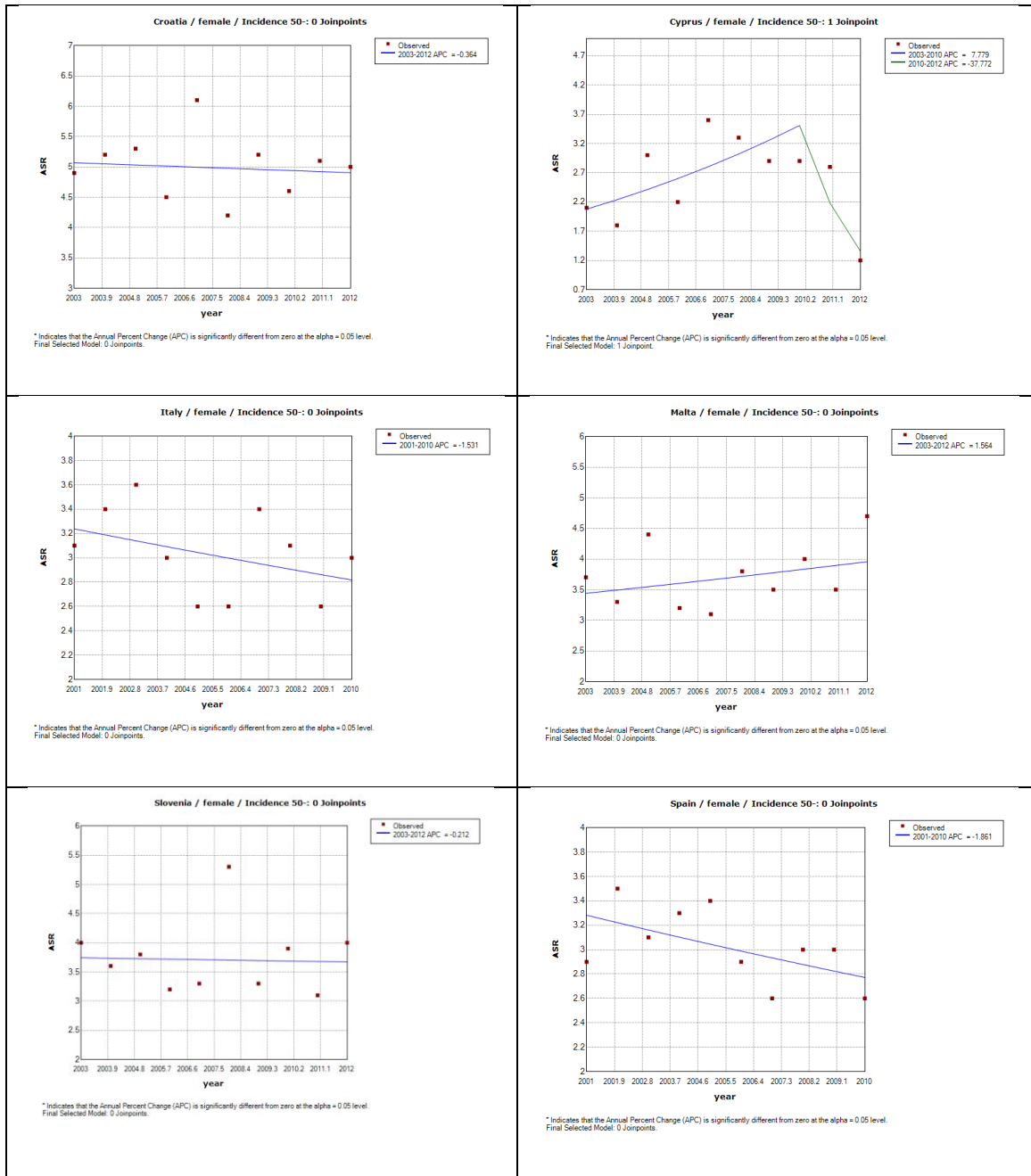
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints.

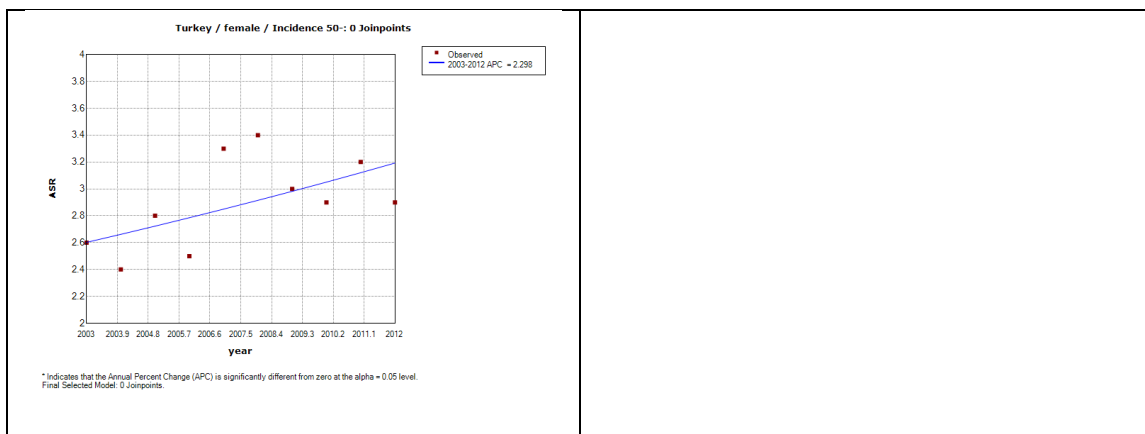
Switzerland / female / Incidence 50+: 0 Joinpoints



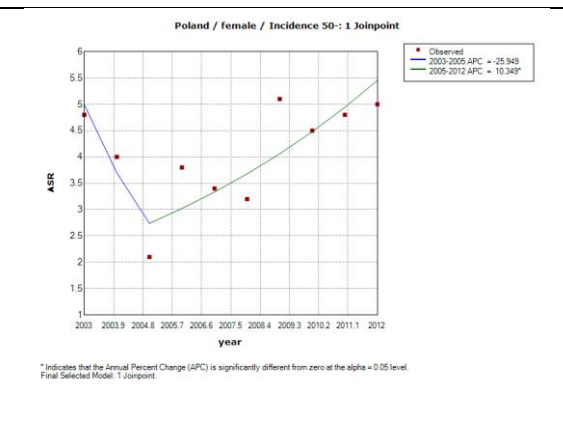
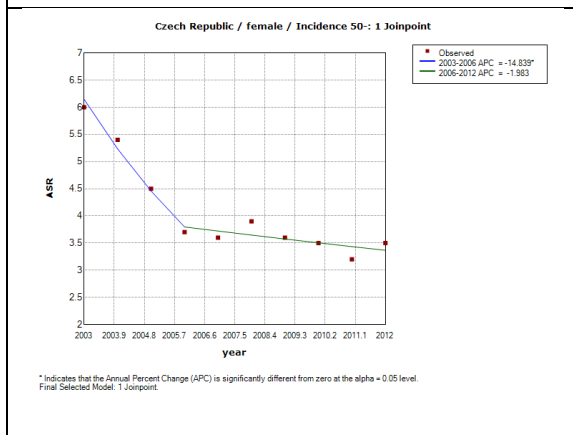
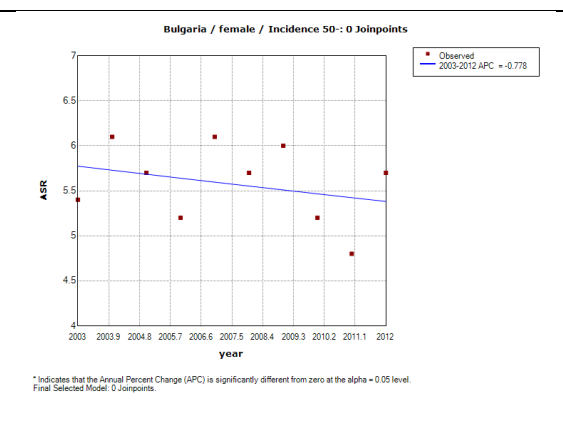
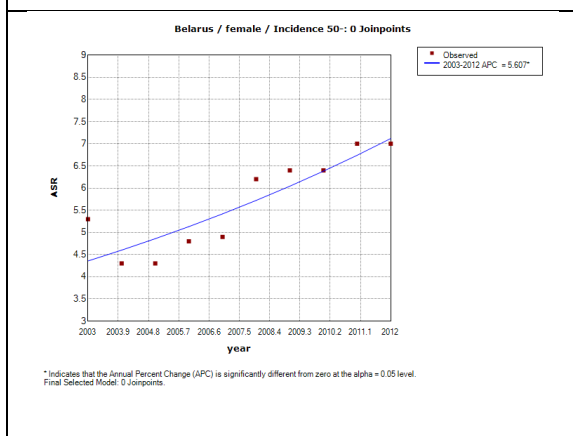
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints.

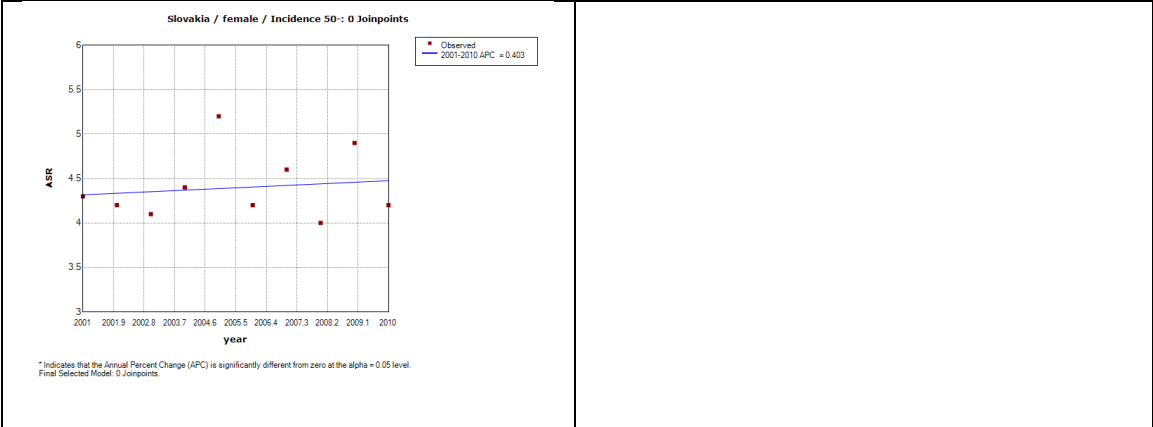
## Southern Europe



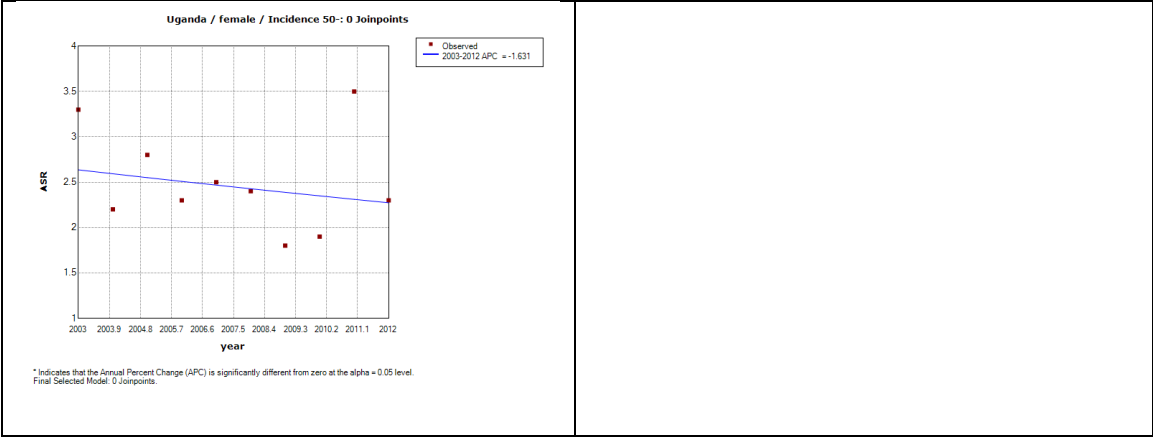


## Eastern Europe





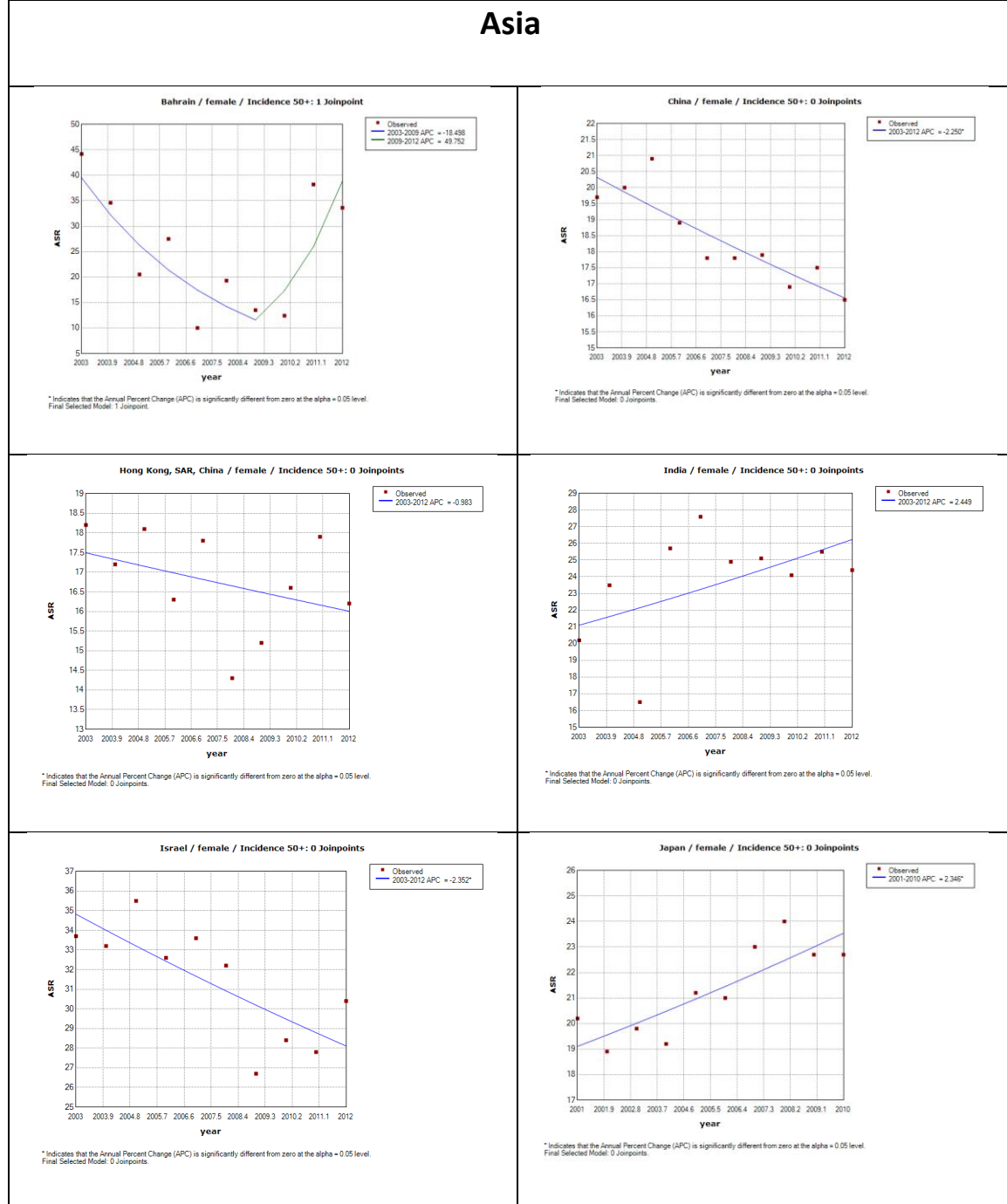
## Africa

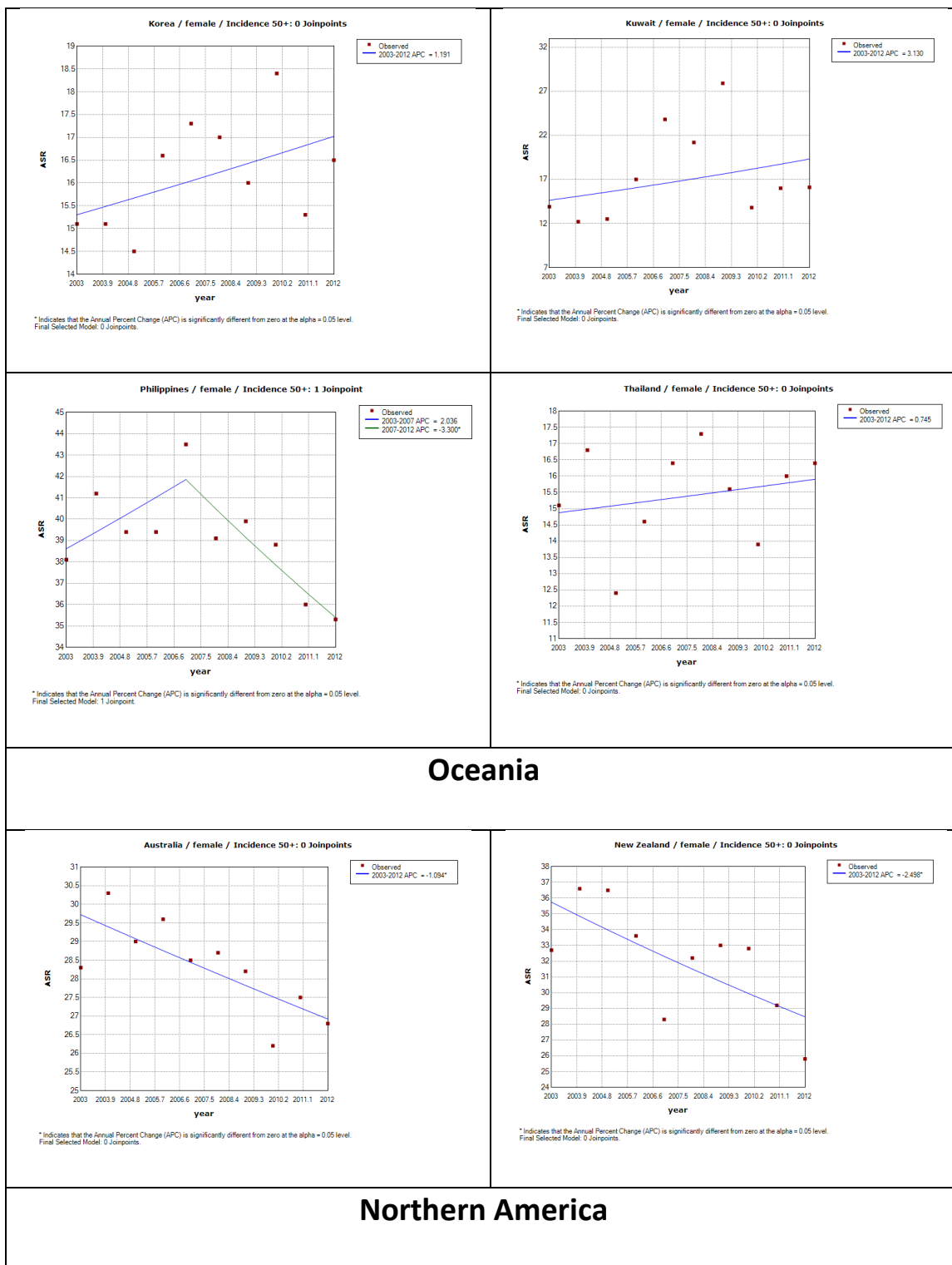


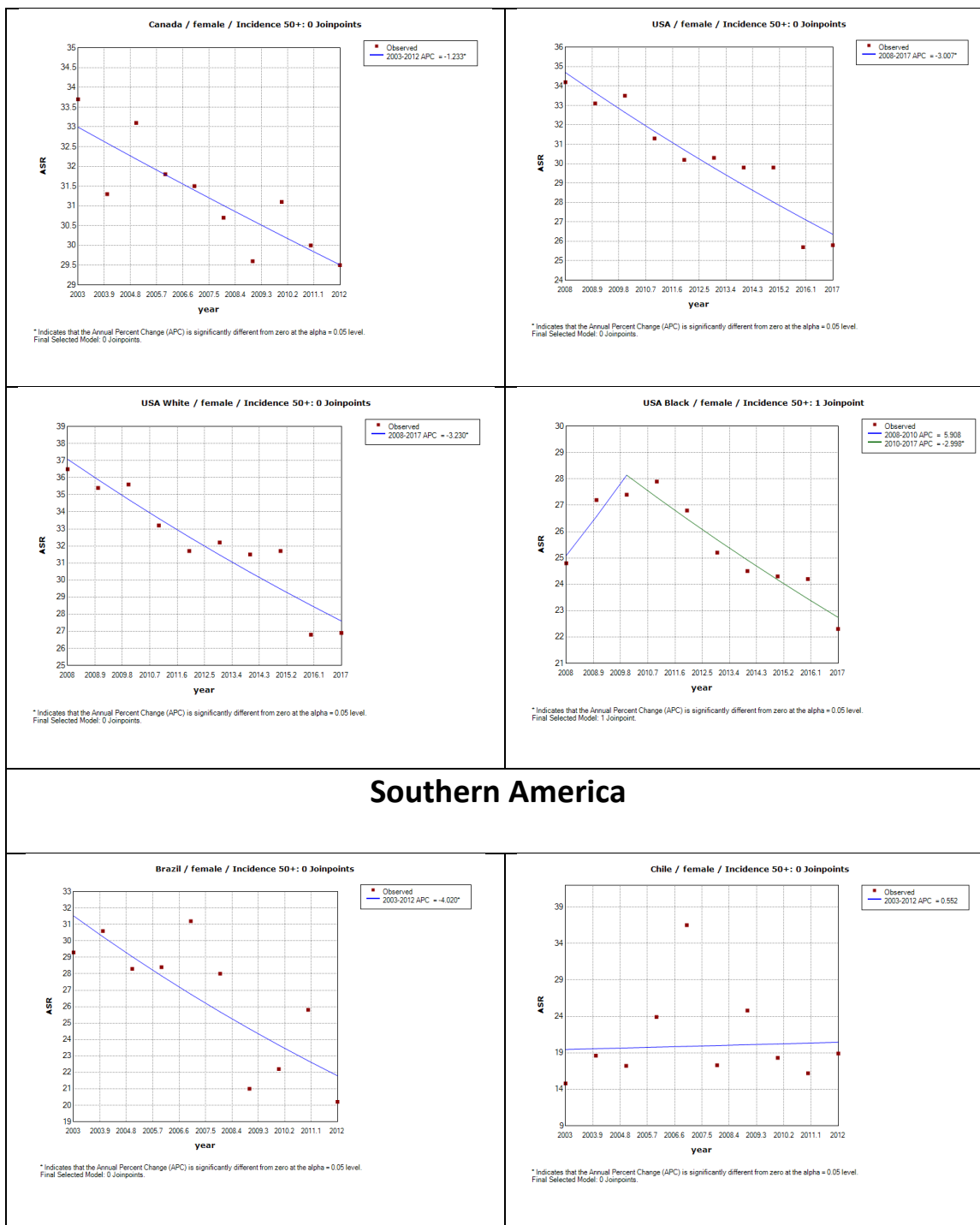


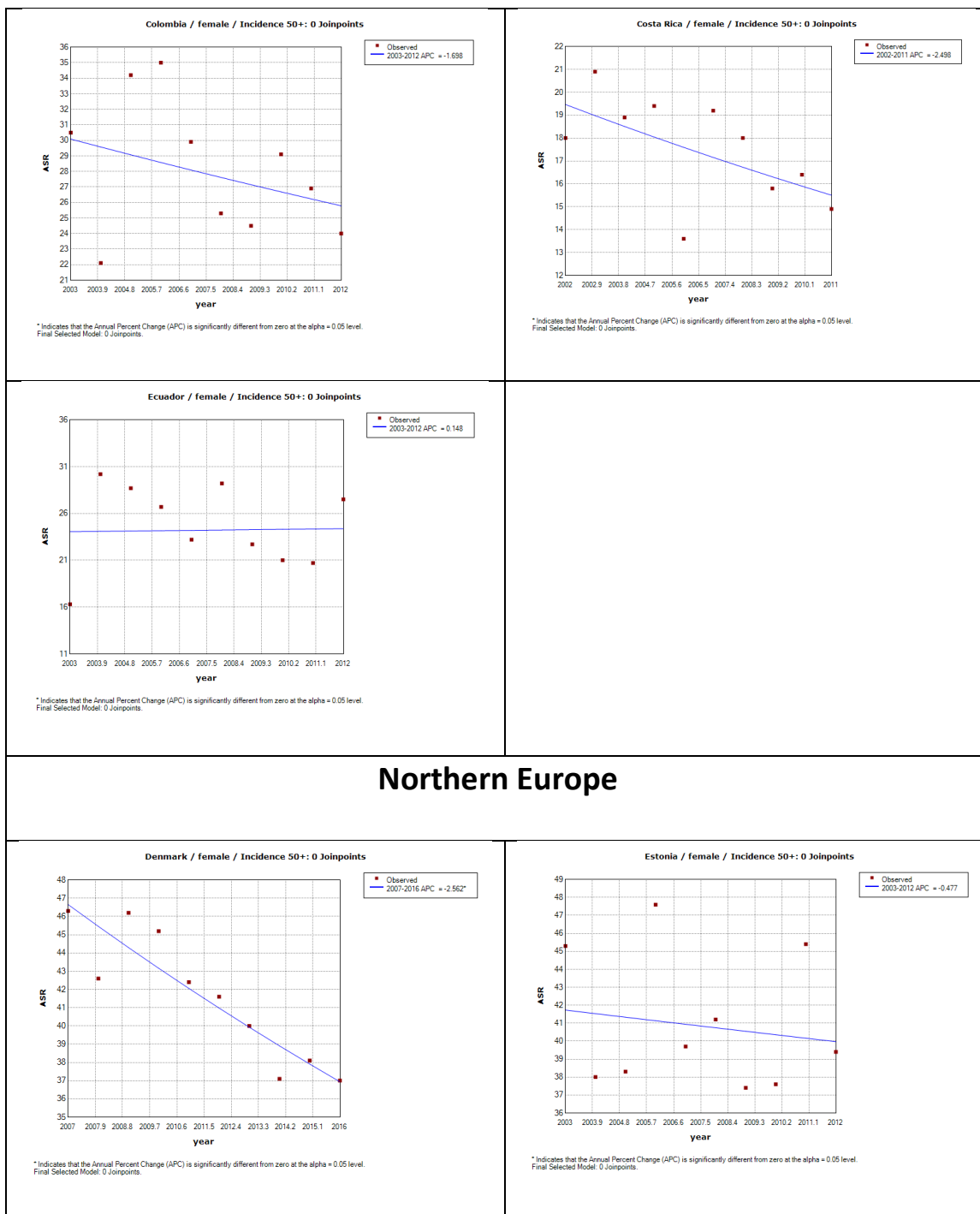
d.) Incidence female above 50 years old

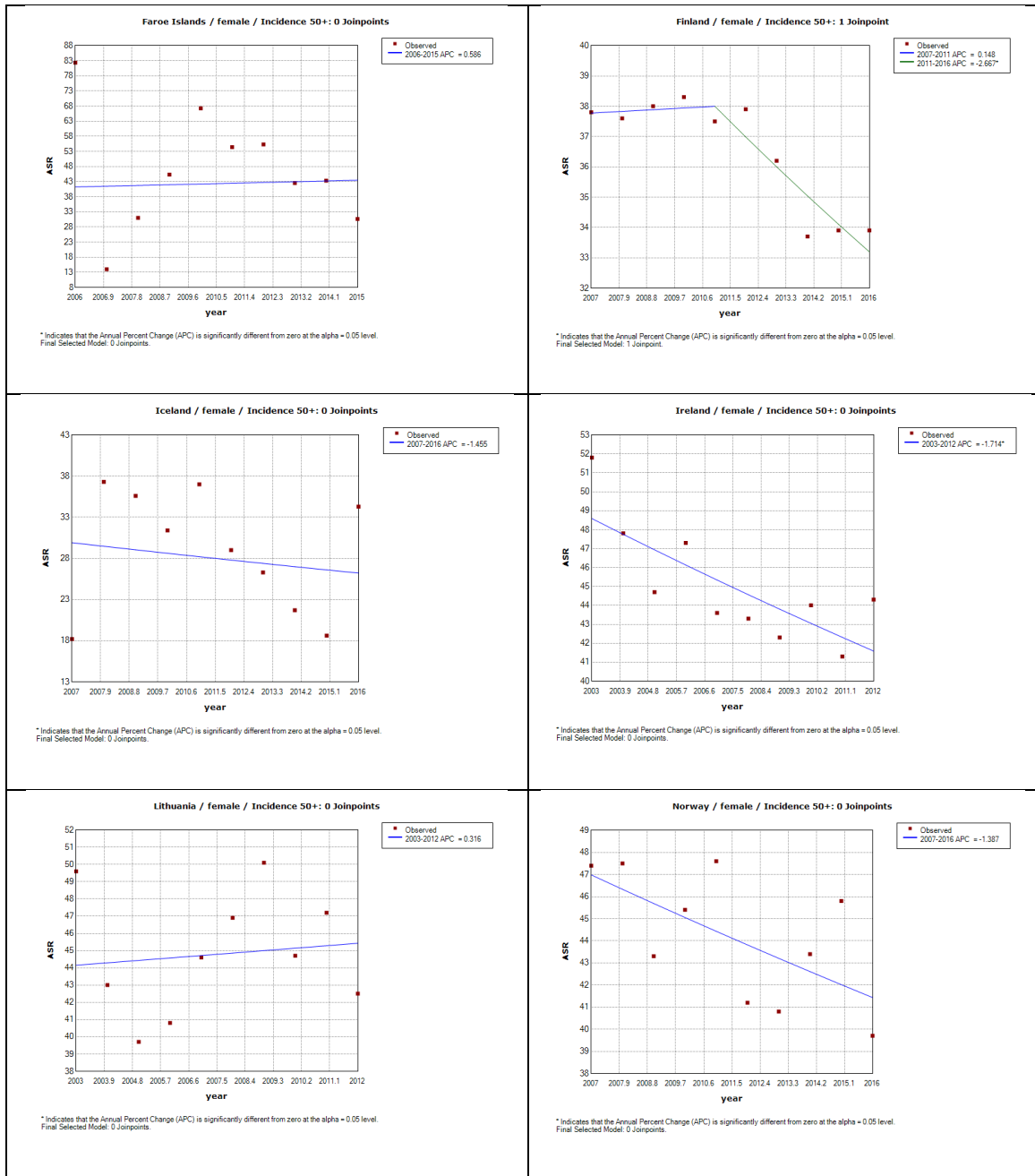
## Asia

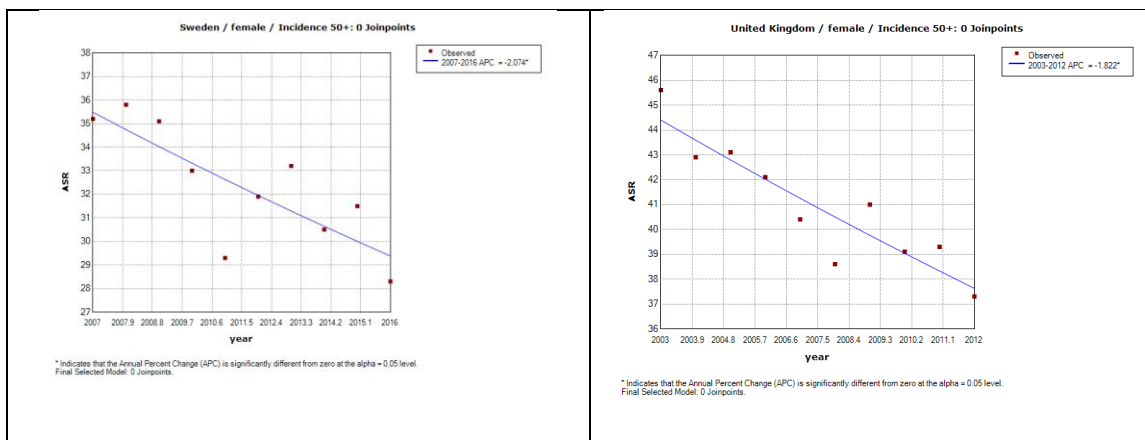




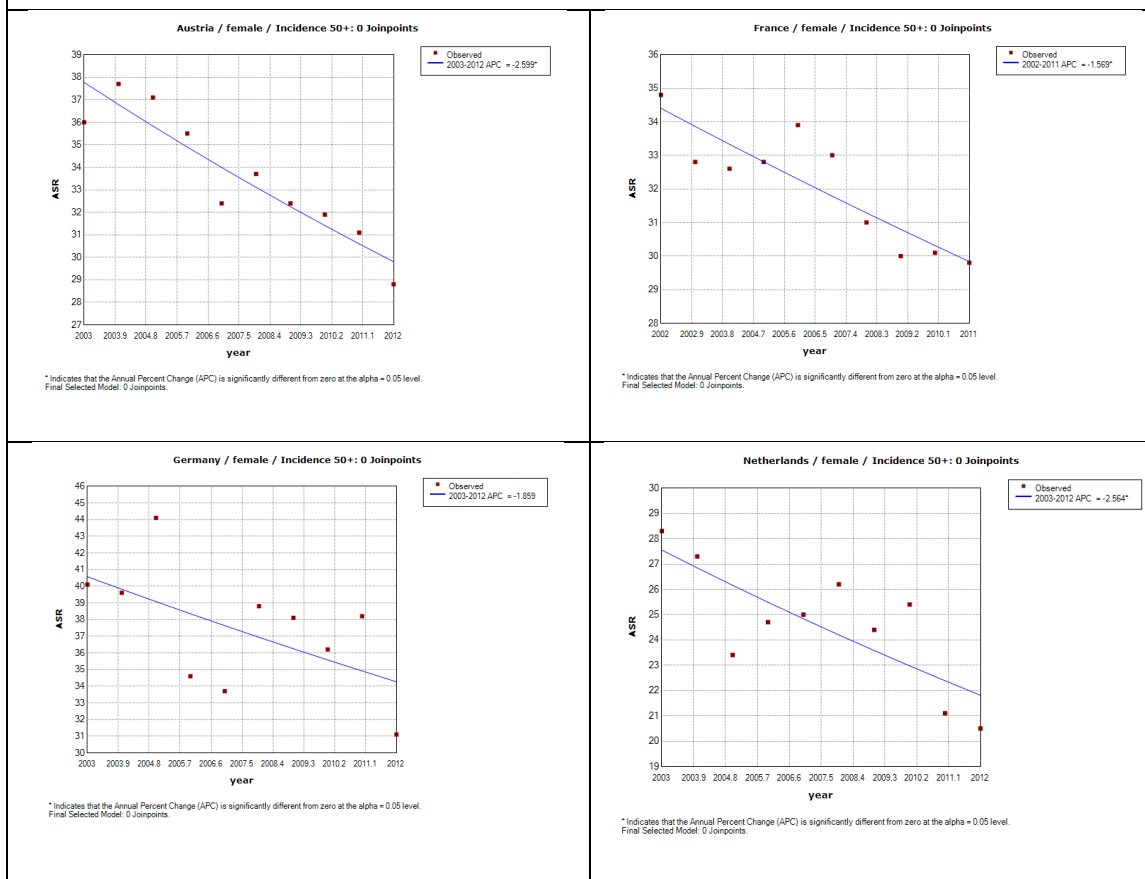


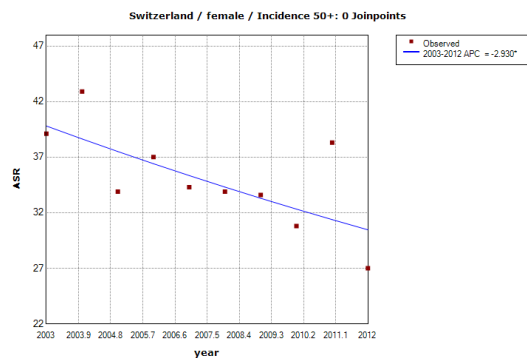






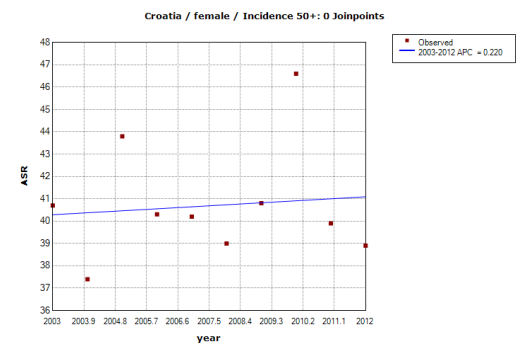
## Western Europe



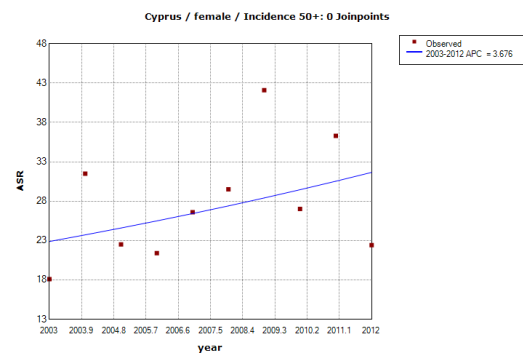


\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints

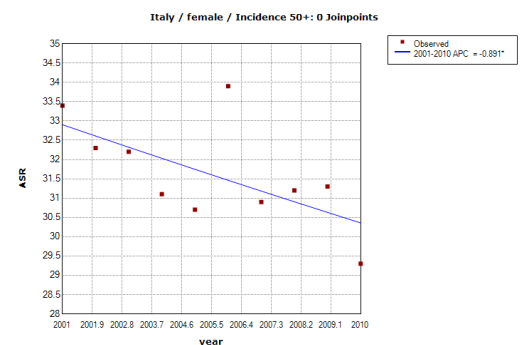
## Southern Europe



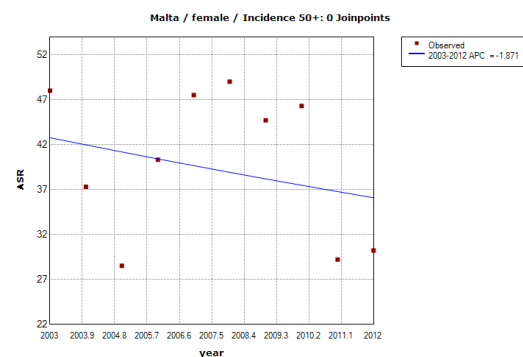
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints



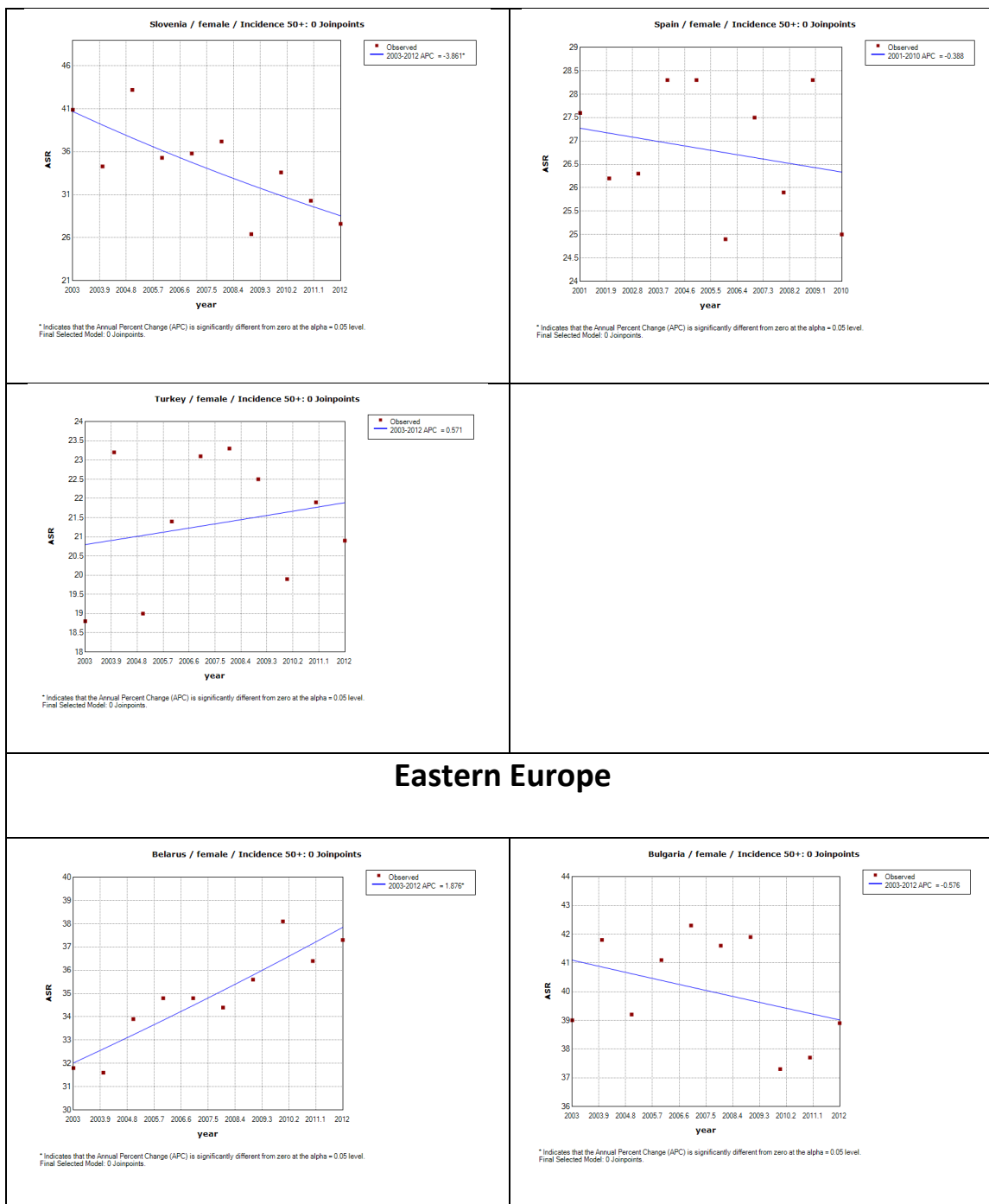
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints



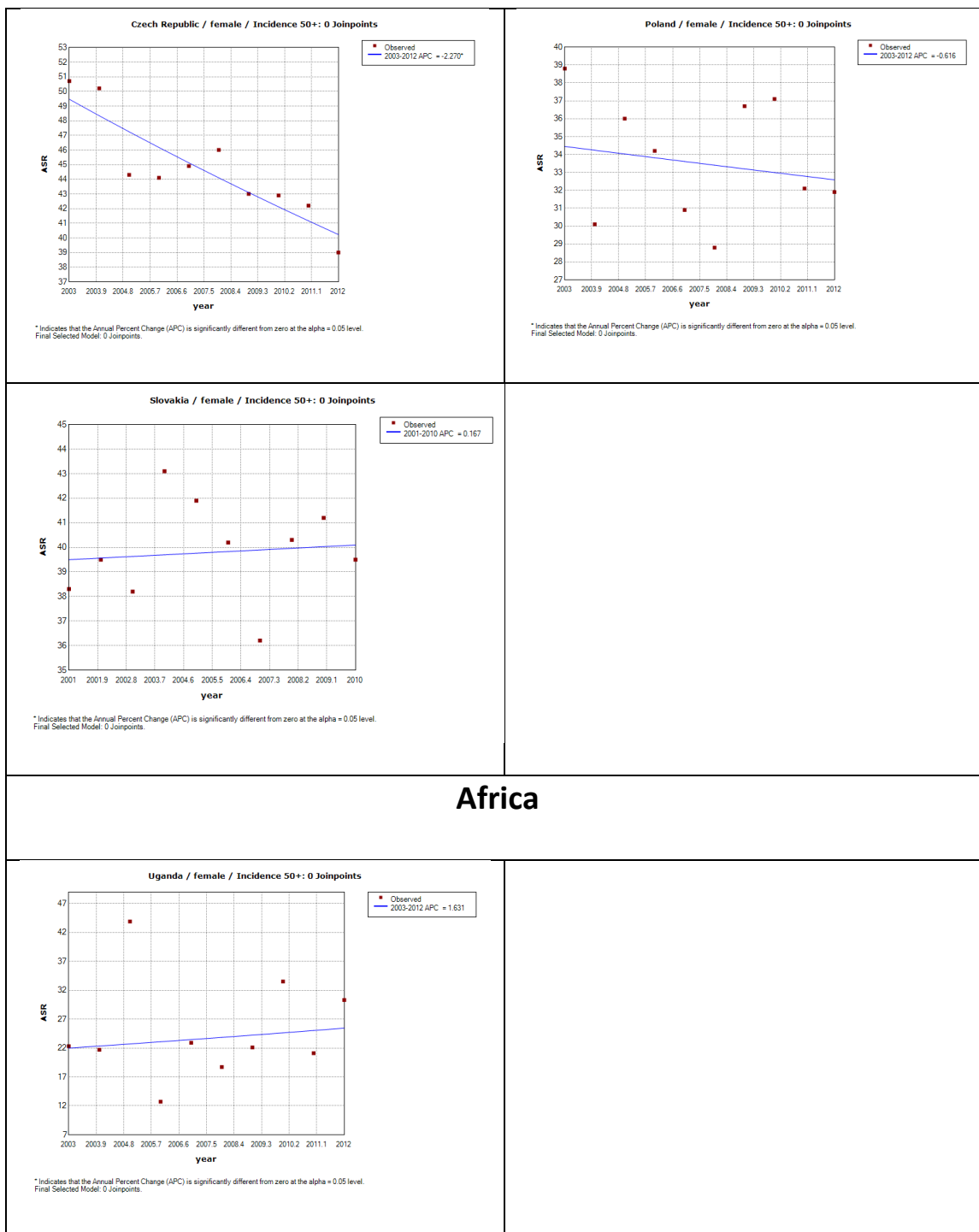
\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints



\* Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 0 Joinpoints

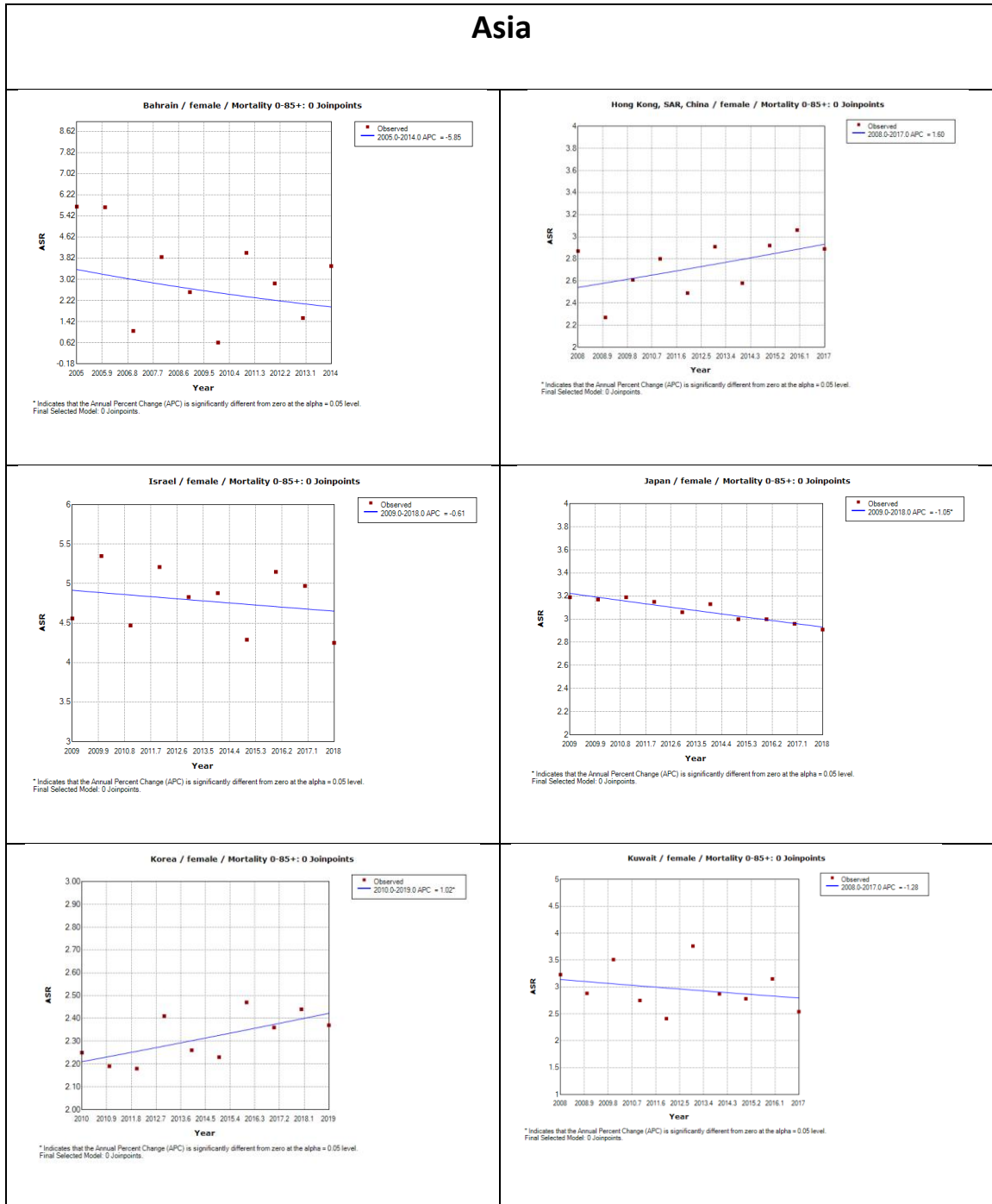


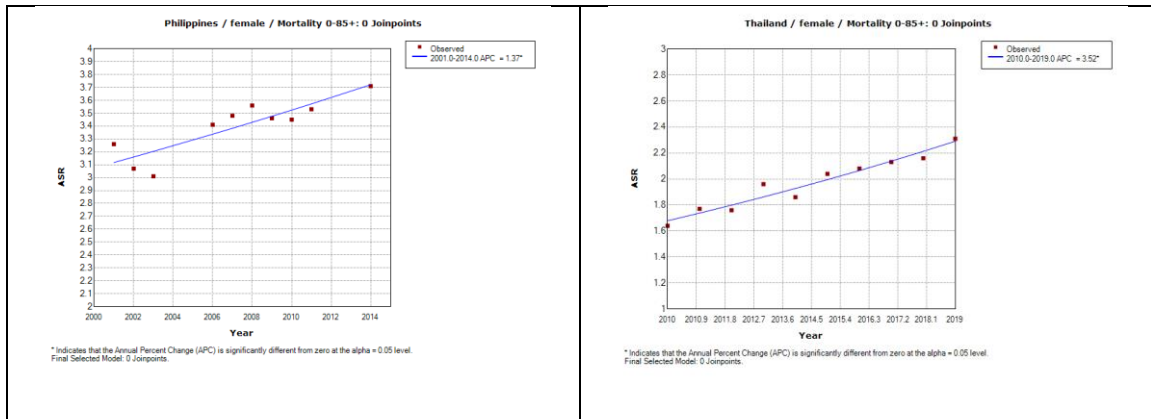




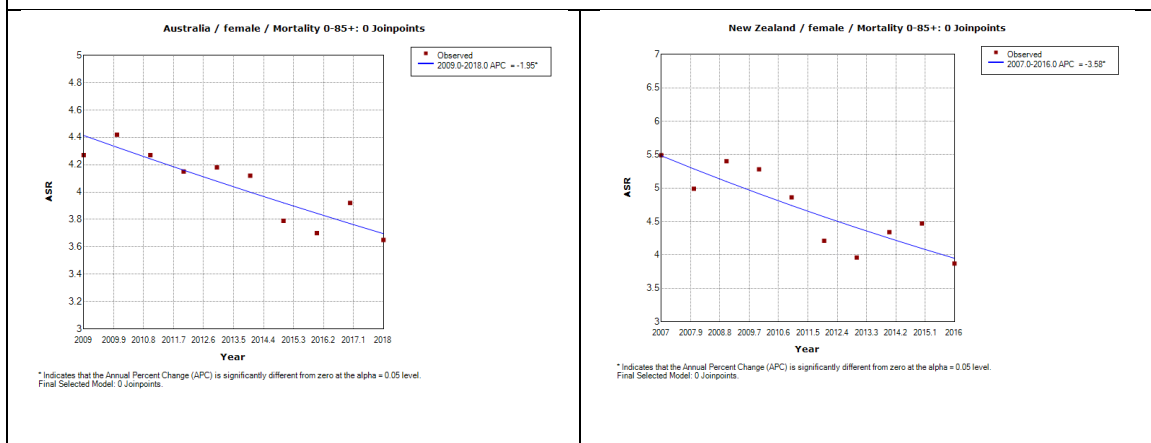
## e.) Mortality female all ages

### Asia

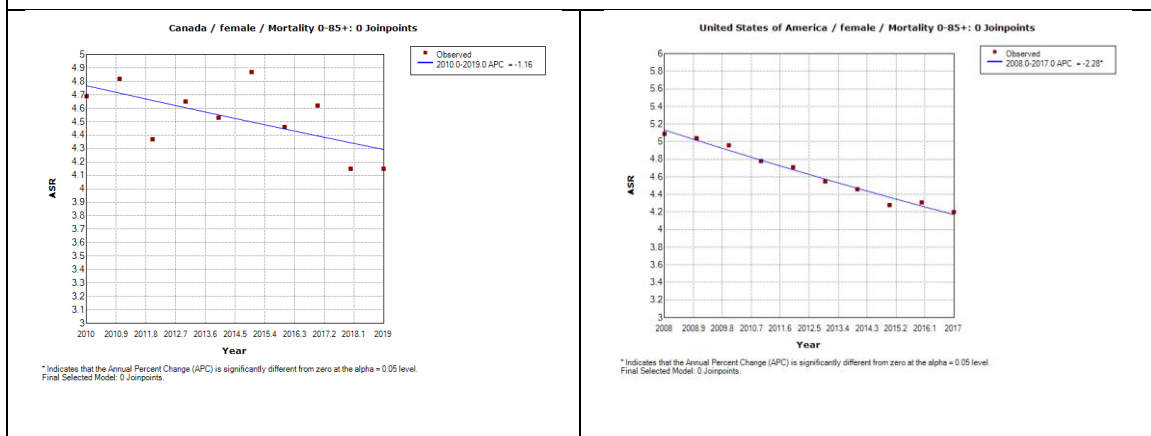


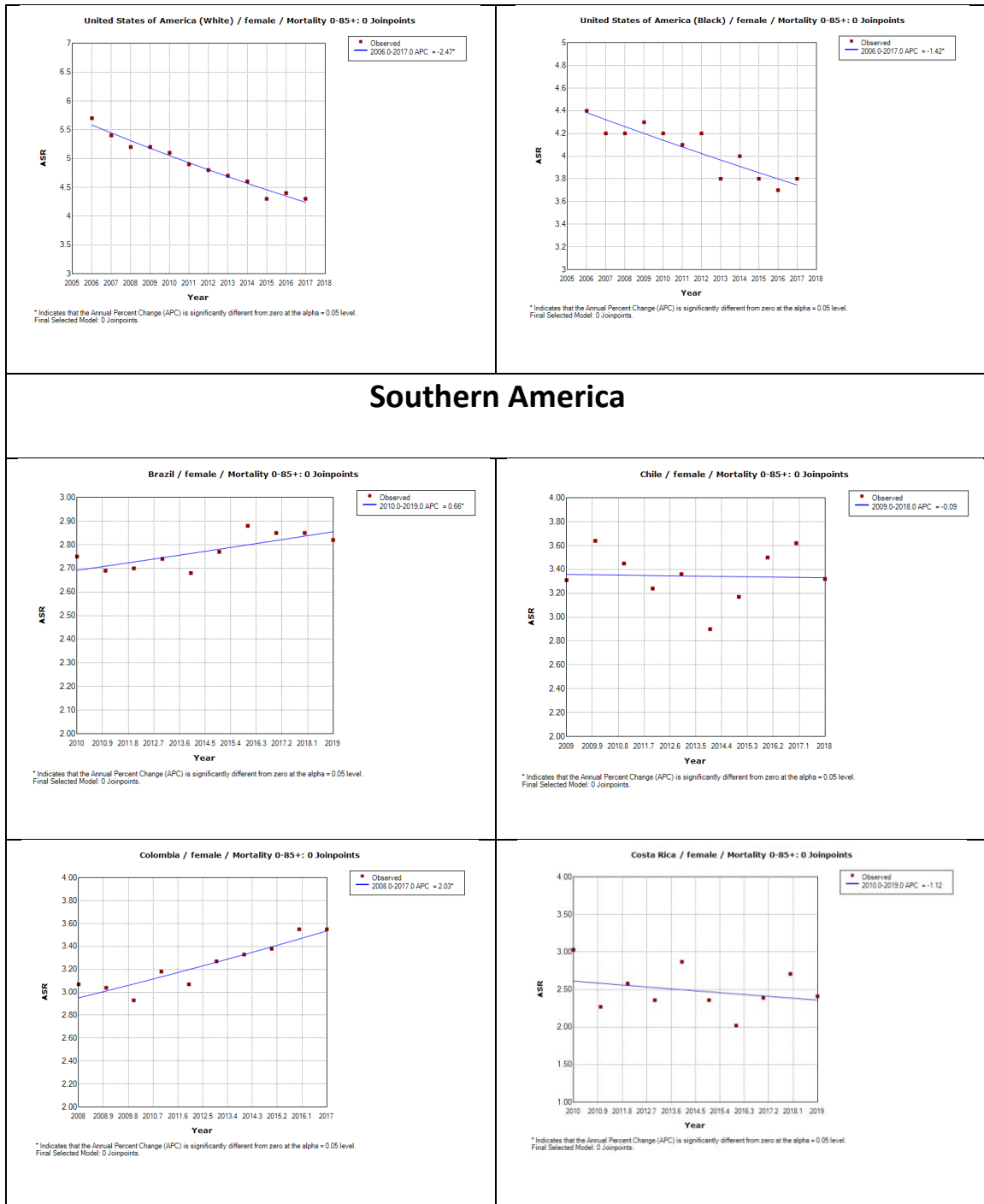


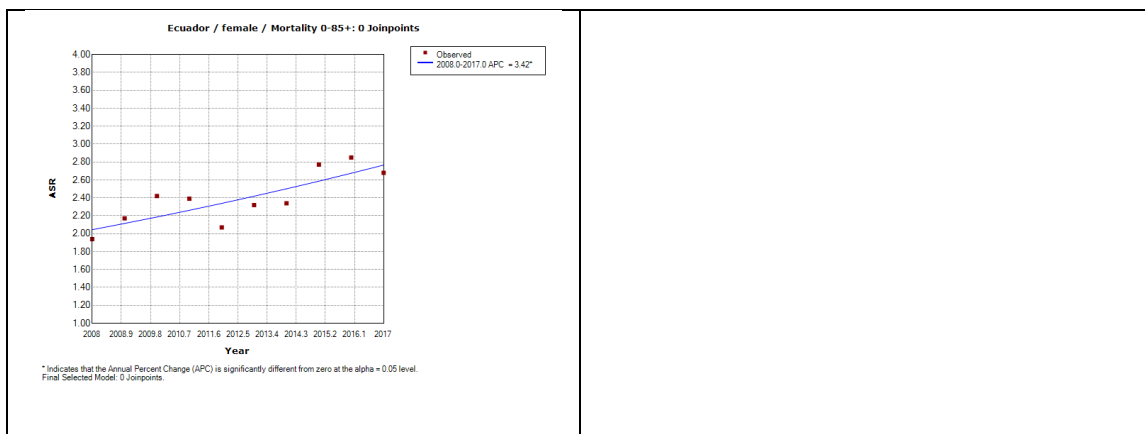
## Oceania



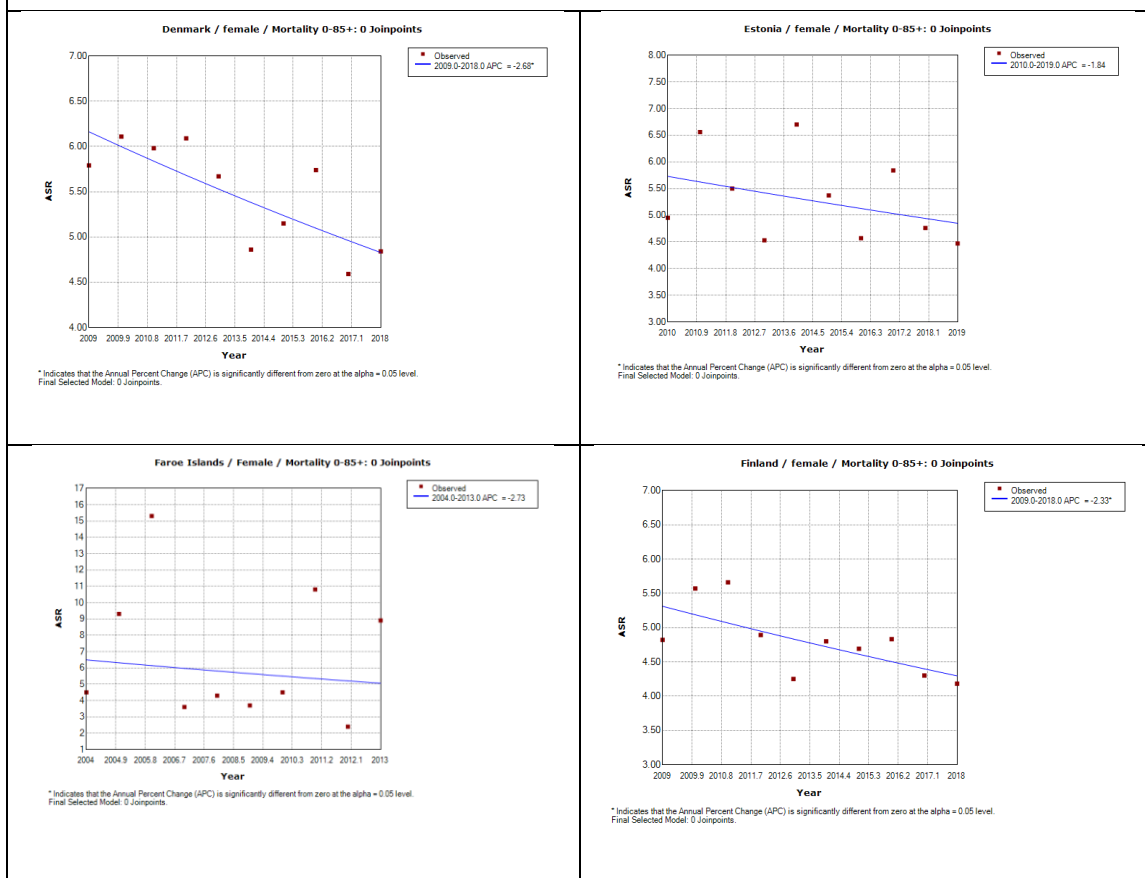
## Northern America

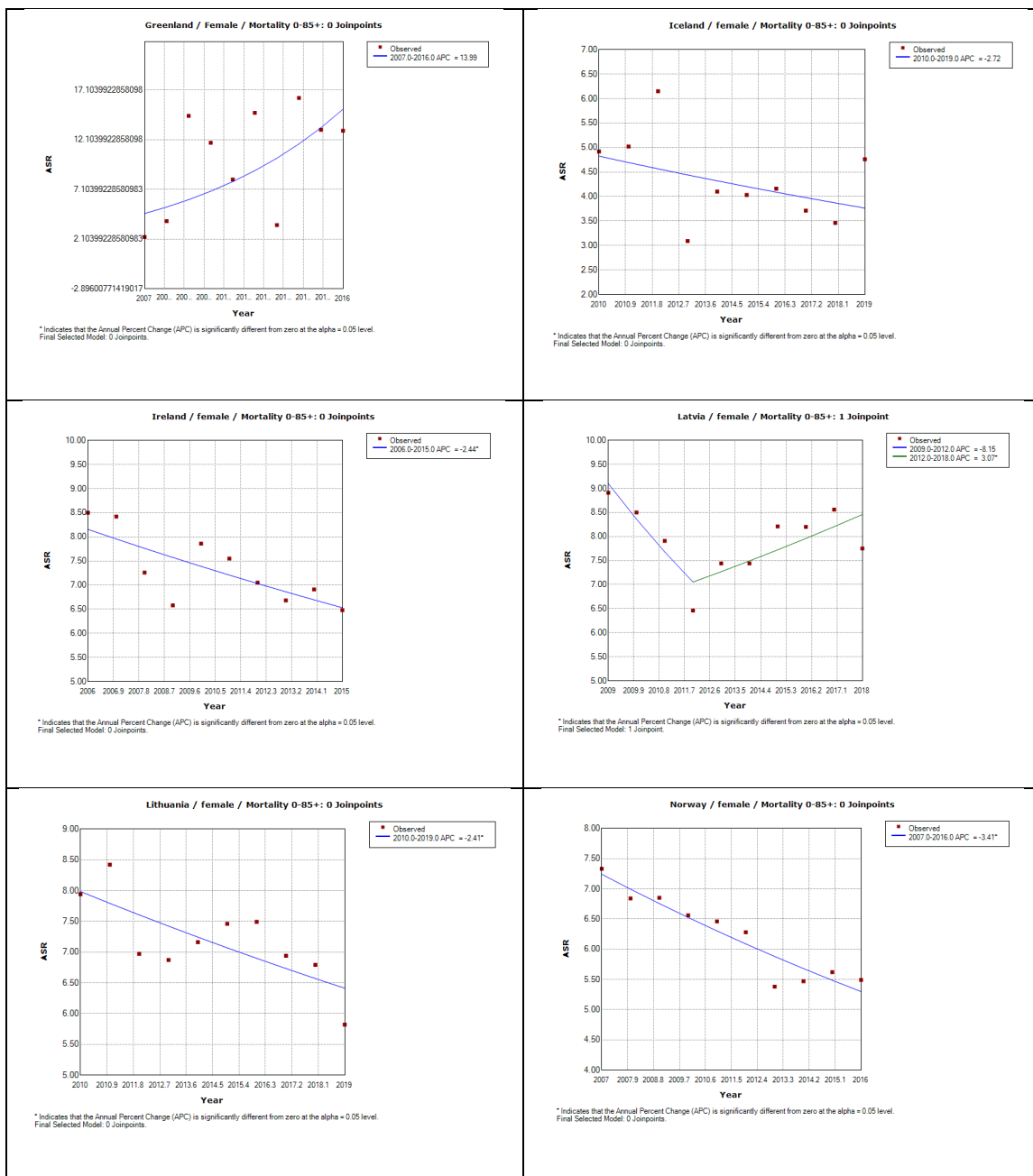


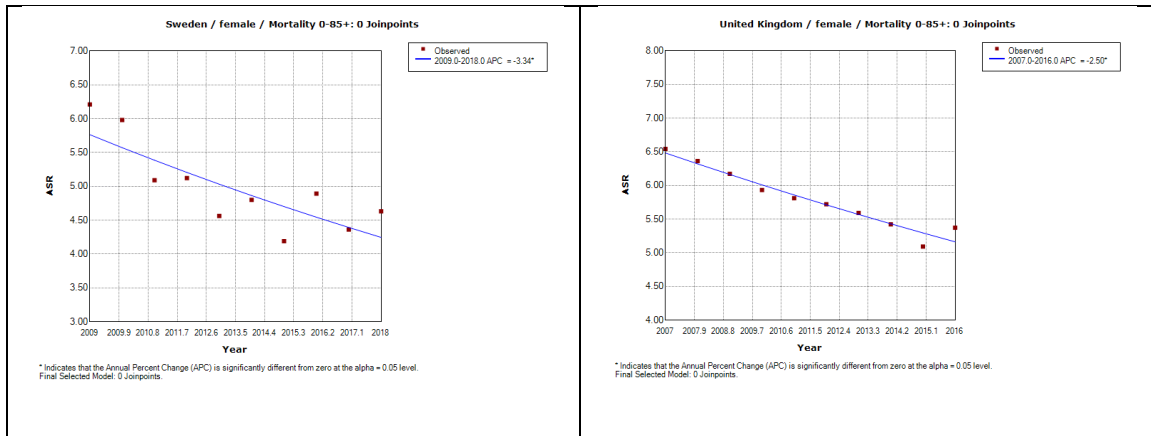




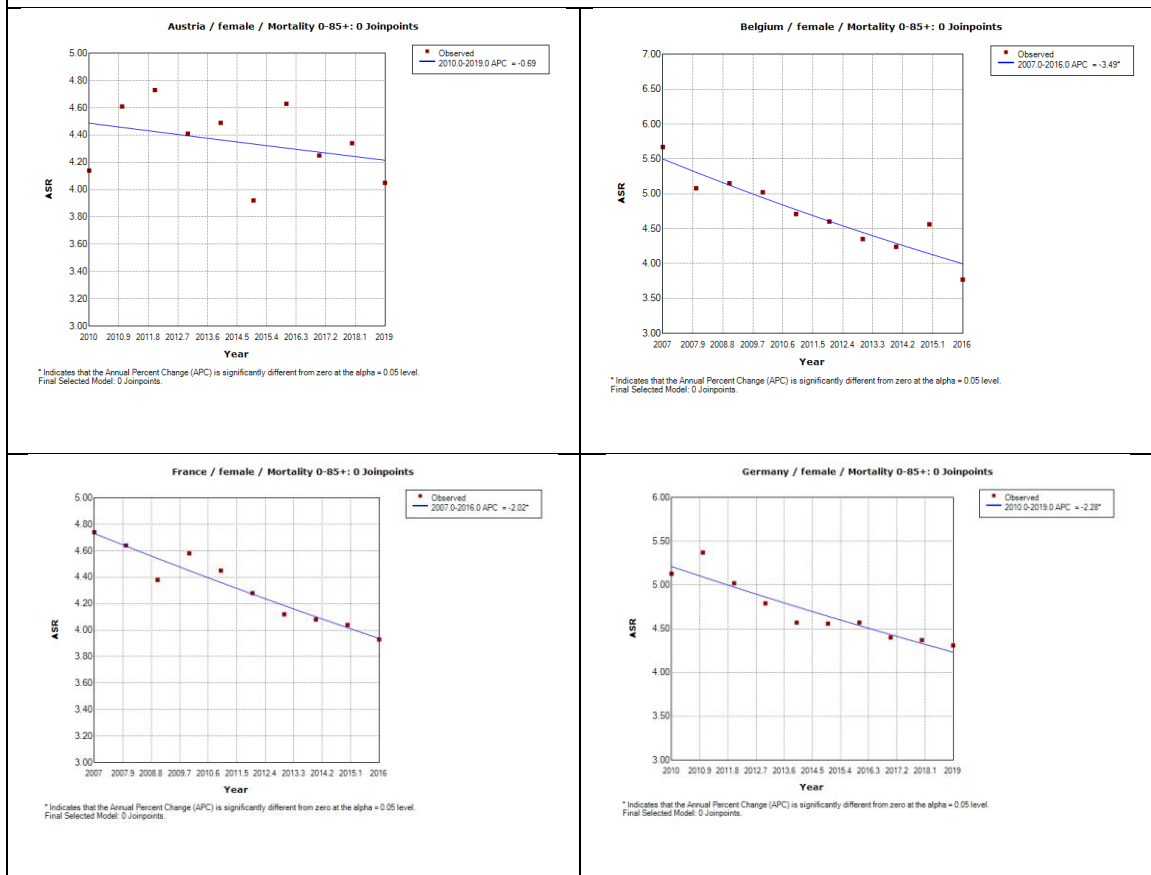
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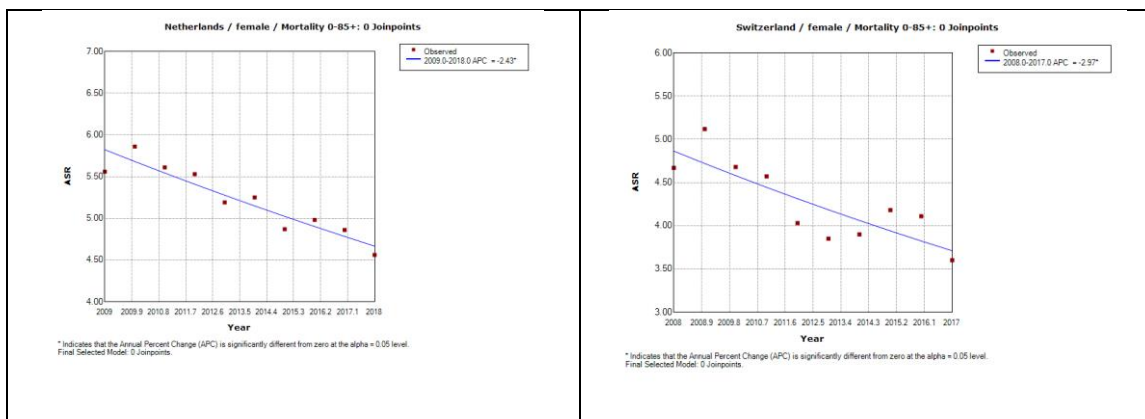




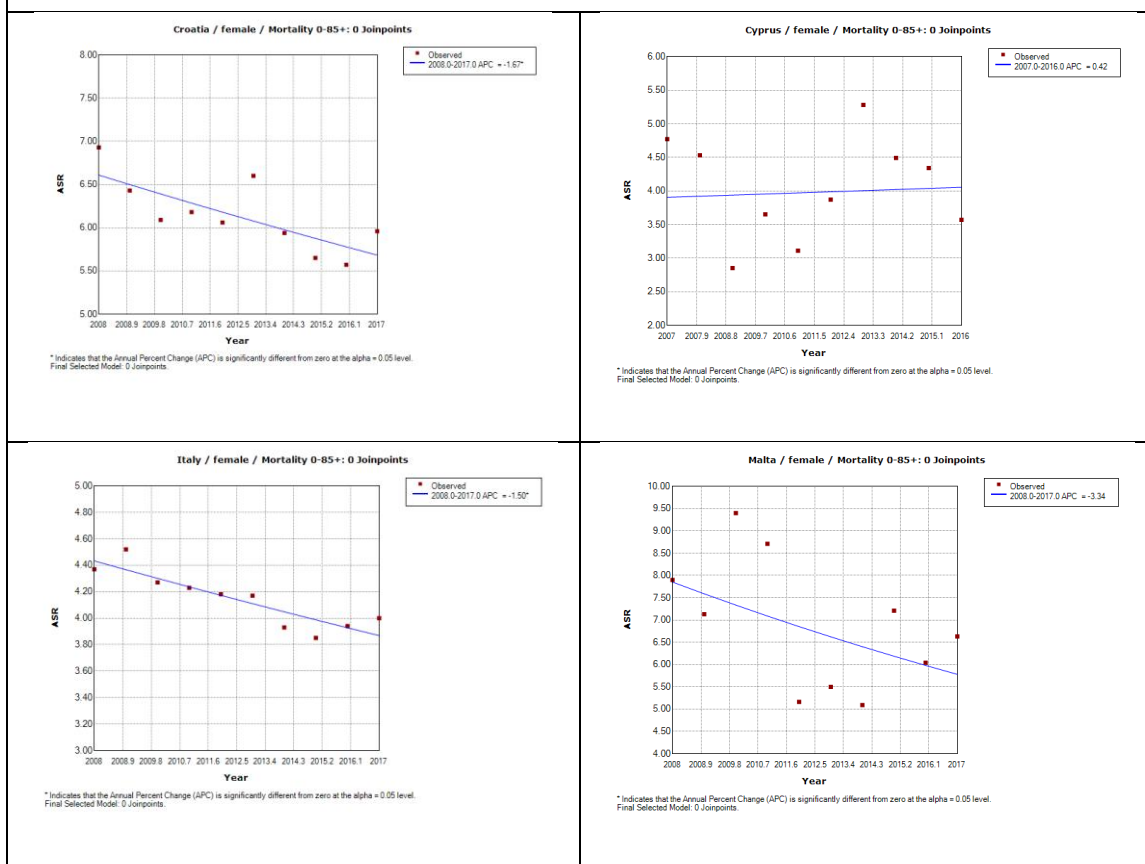


## Western Europe

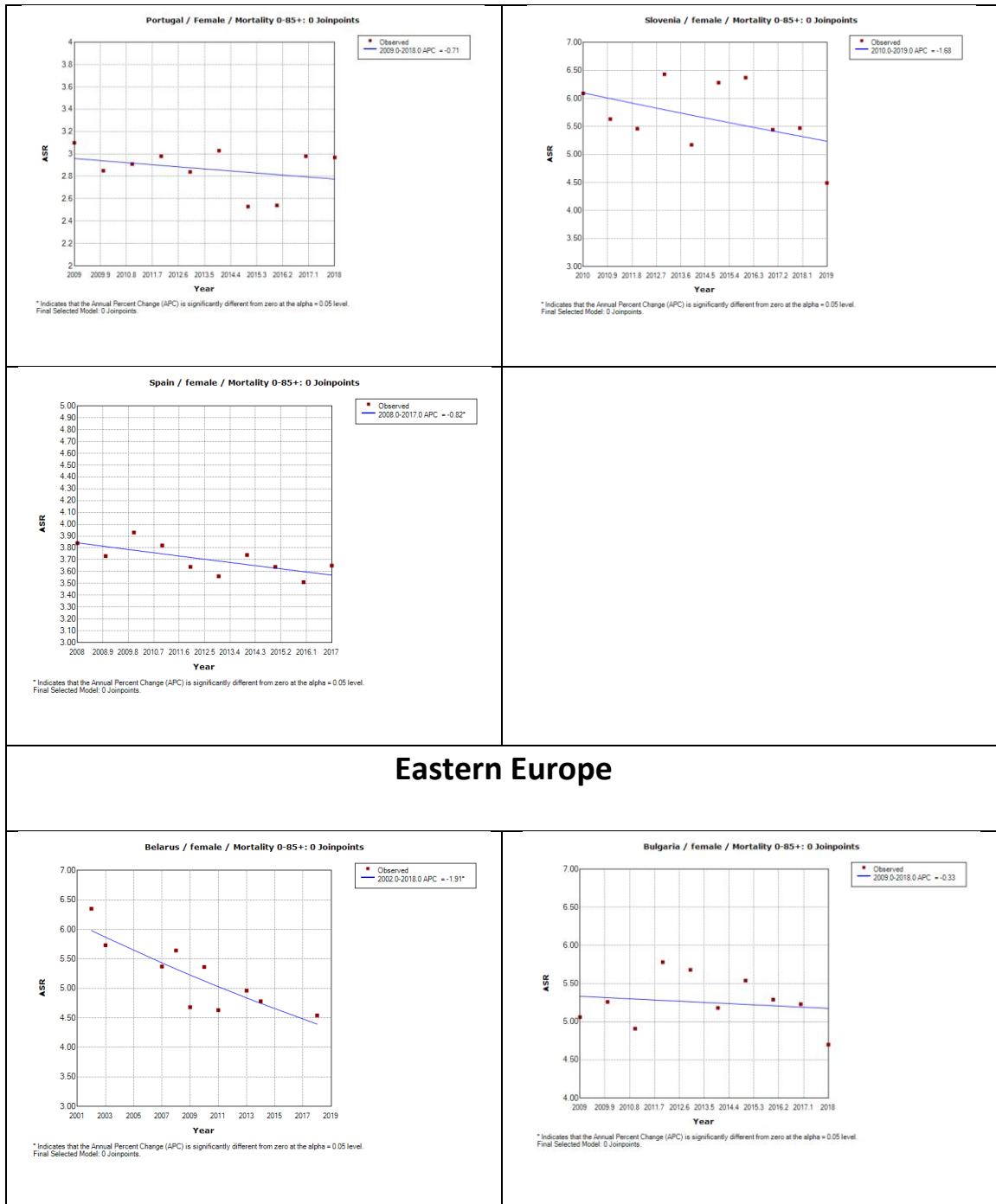


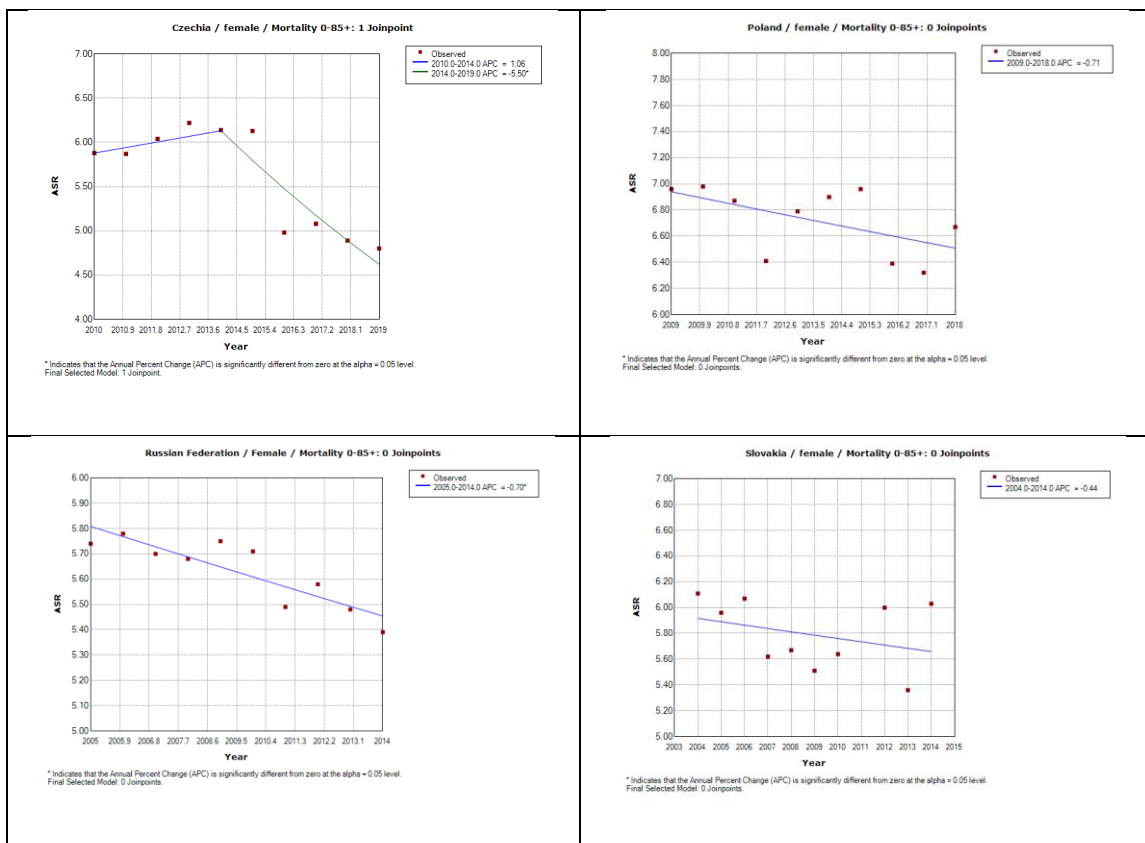


## Southern Europe

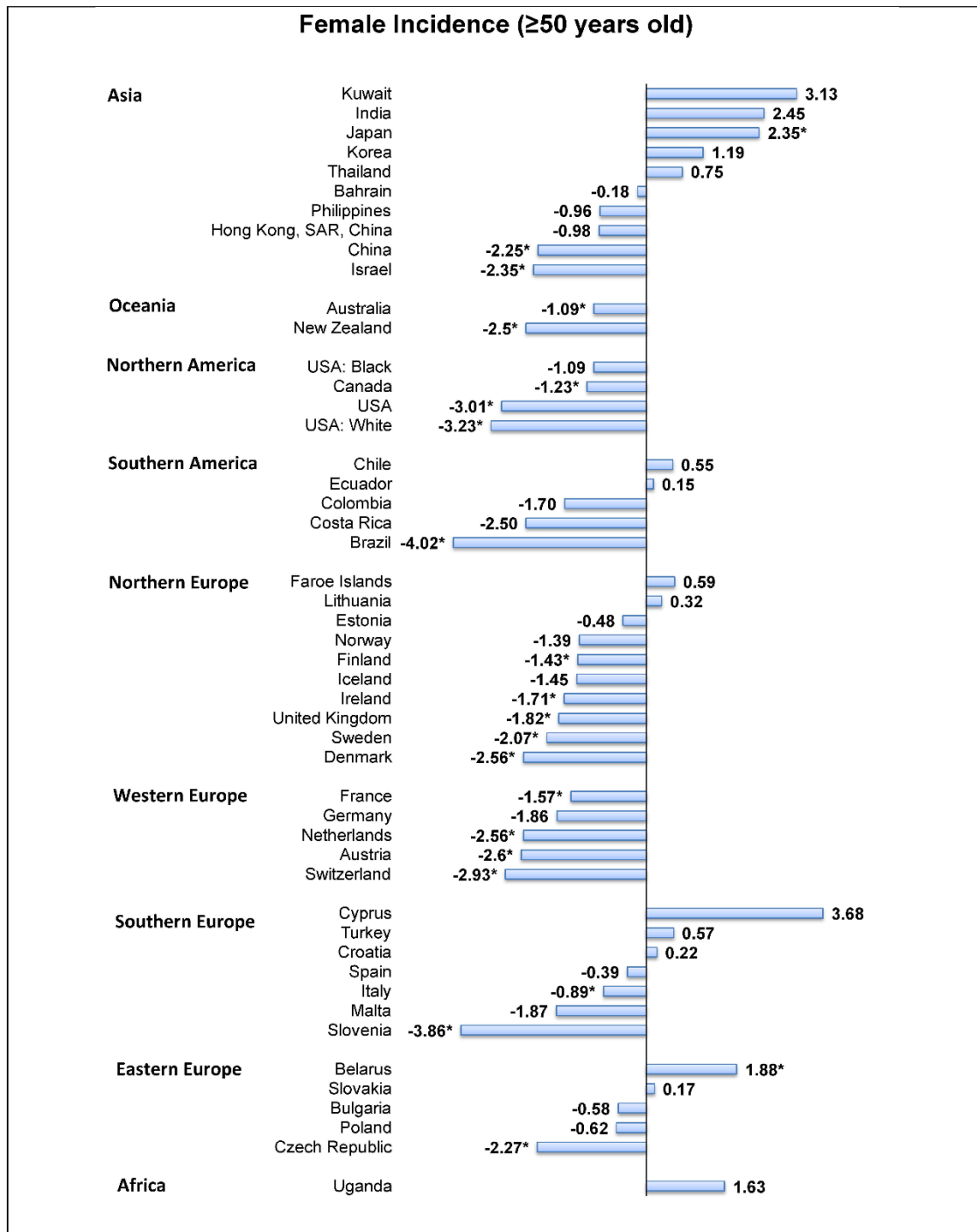




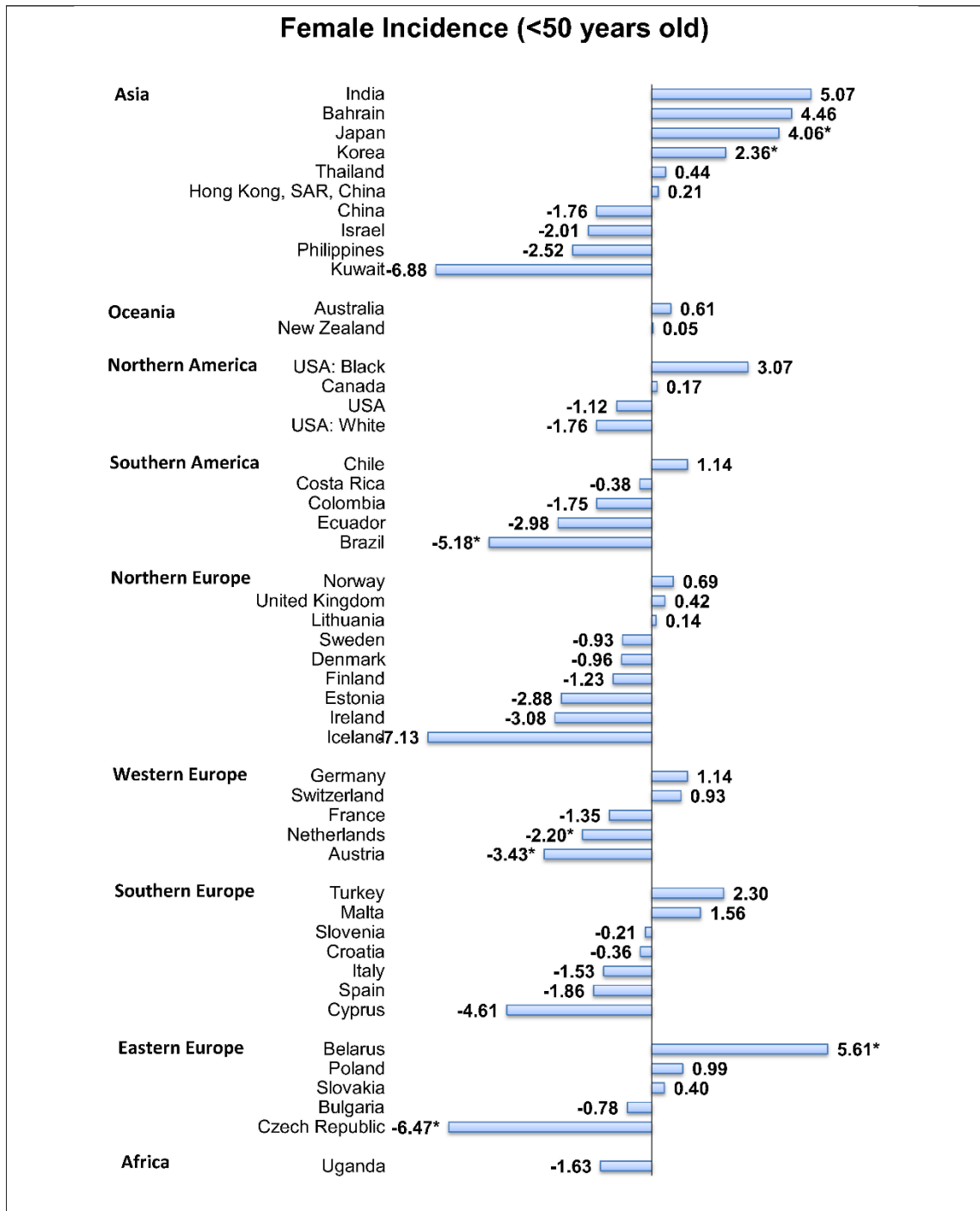




**Supplementary Figure S3. AAPC of incidence of ovarian cancer aged 50 years and older**



**Supplementary Figure S4.** AAPC of incidence of ovarian cancer aged < 50 years old



**Supplementary Figure S5.** AAPC of incidence of ovarian cancer aged < 40 years old

