Traditional and newly emerging data quality problems in countries with functioning vital statistics: experience of the Human Mortality Database

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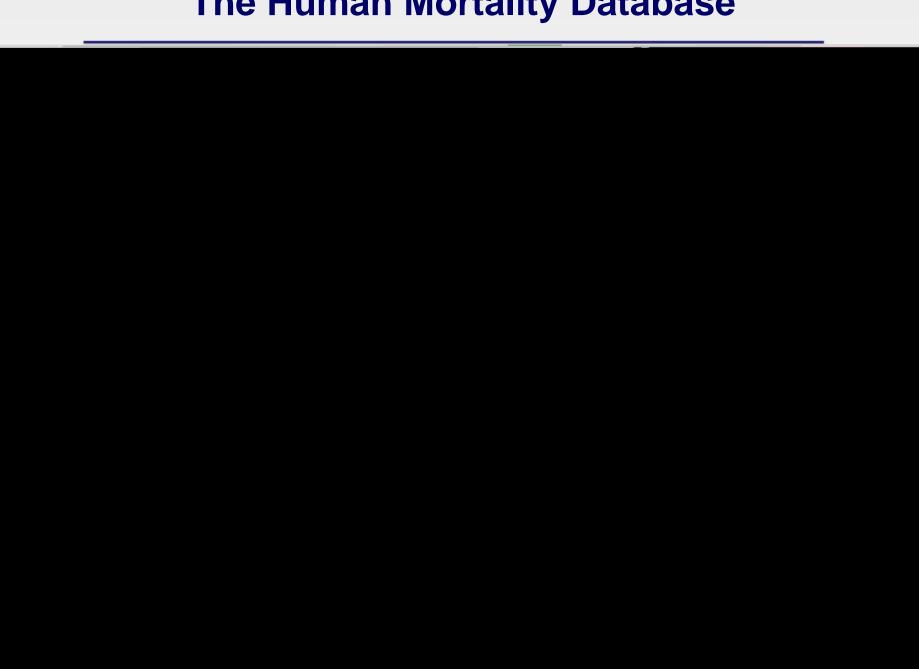
United Nations Expert Group Meeting on the methodology and lessons learned to evaluate the completeness and quality of vital statistics data from civil registration

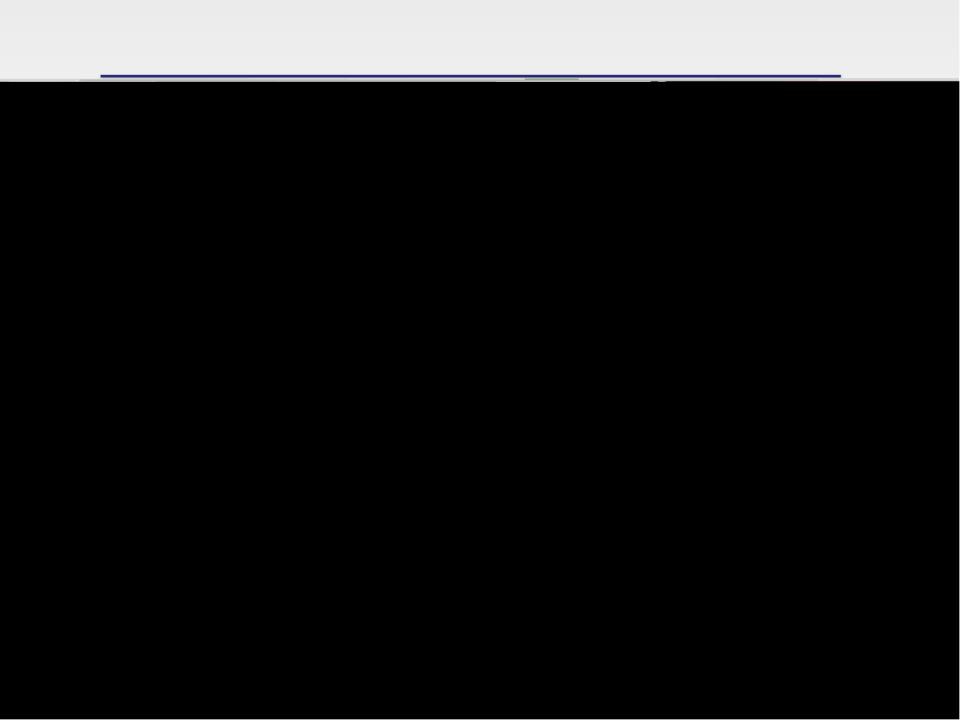
New York, November 3-4, 2016



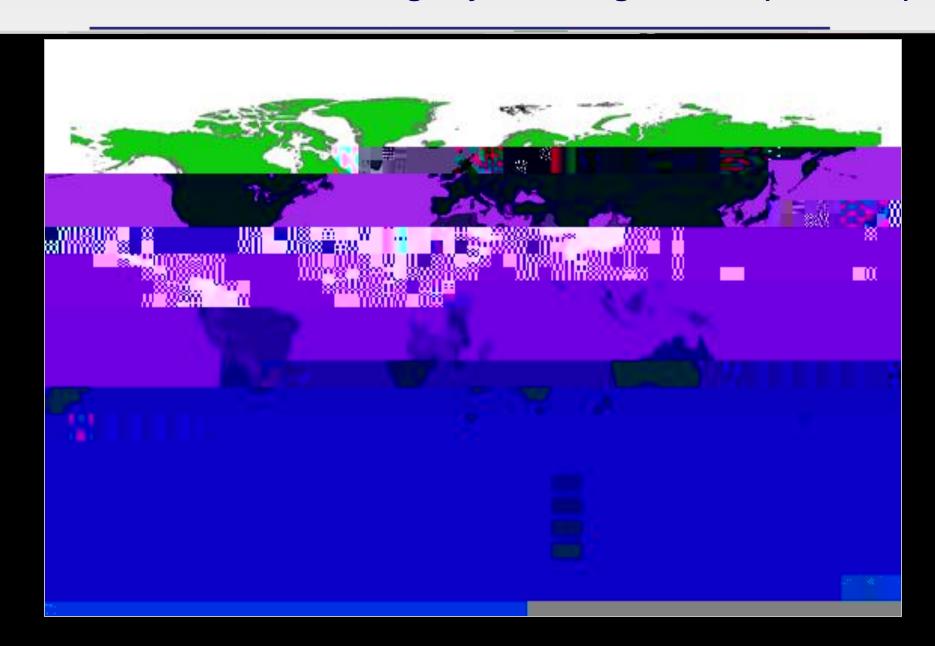


The Human Mortality Database





UN assessment of coverage by death registration (Dec 2014)

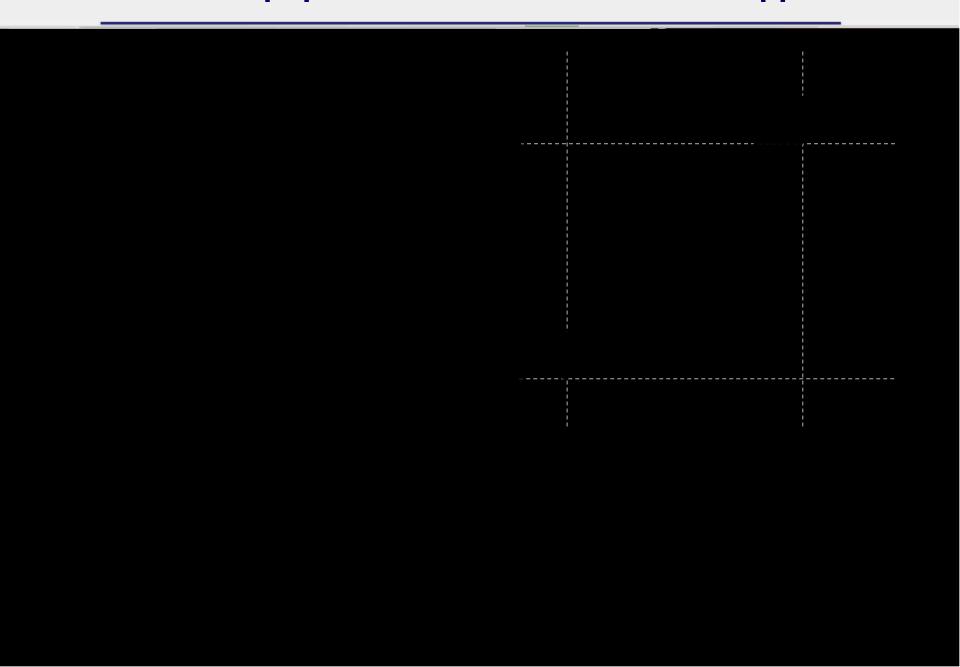


Censuses and assessment of the population denominator

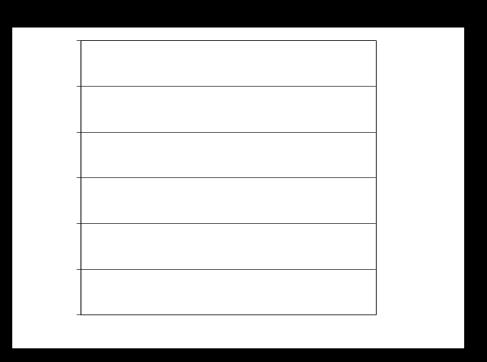
Censuses and inter-censal population estimates

Migration

Inter-censal population estimates: the HMD approach

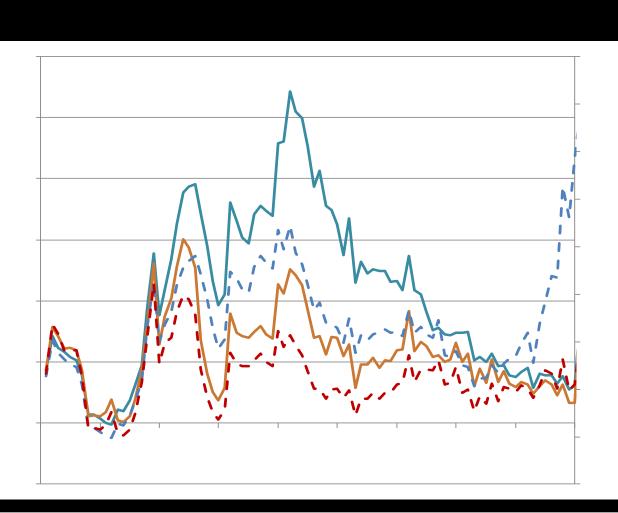


Bulgaria: correction of population data (inter-censal estimates)

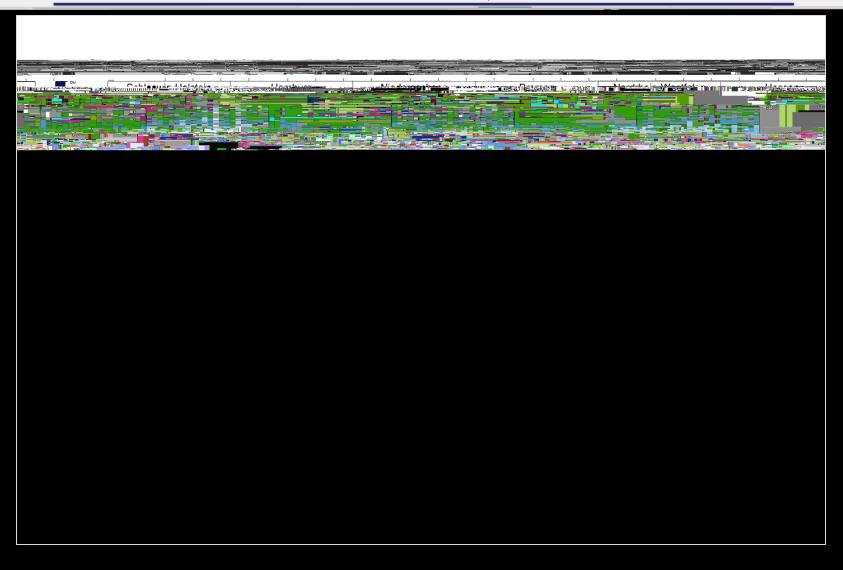


HMD Solution:

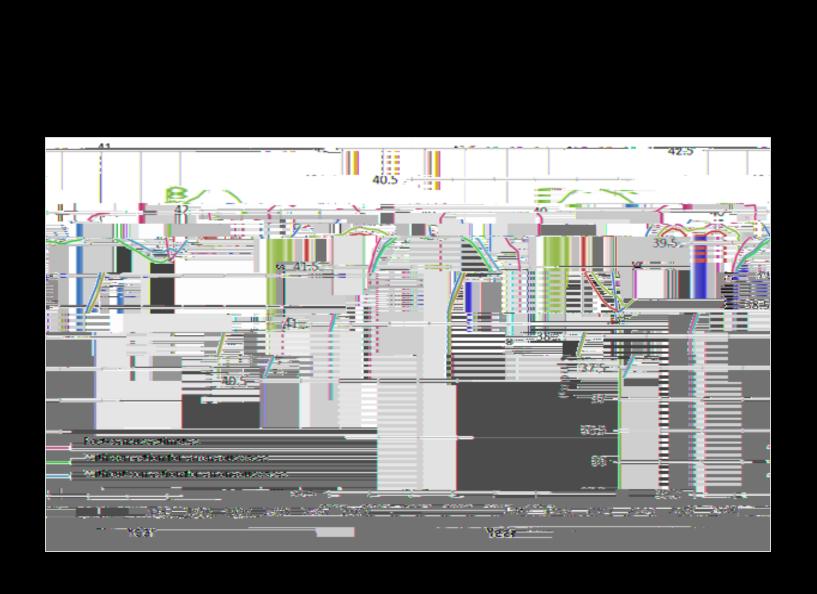
Germany: three decades between censuses



External outmigration intensities by age for the German lands, males



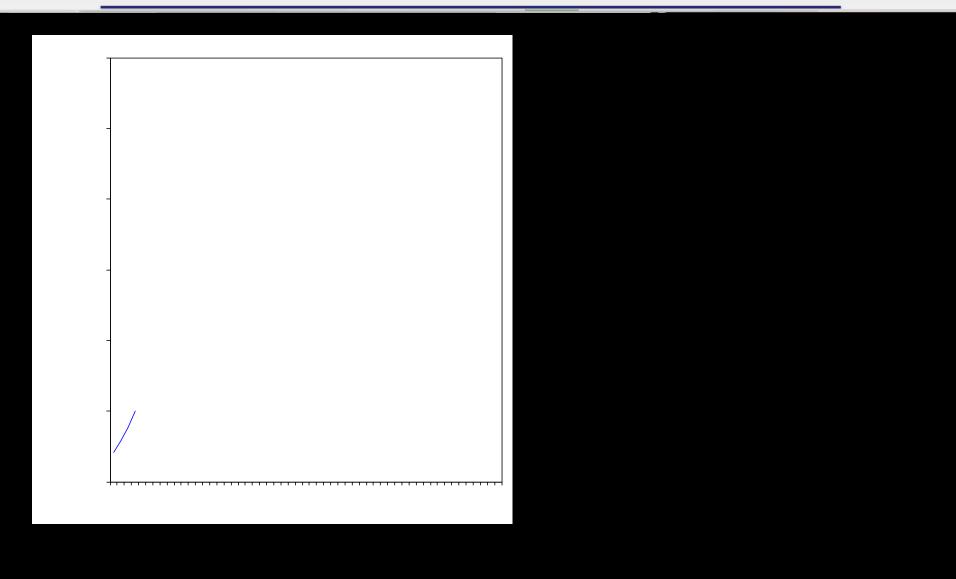
The HMD inter-censal estimates for Gerrmany



Changeable population definitions across time

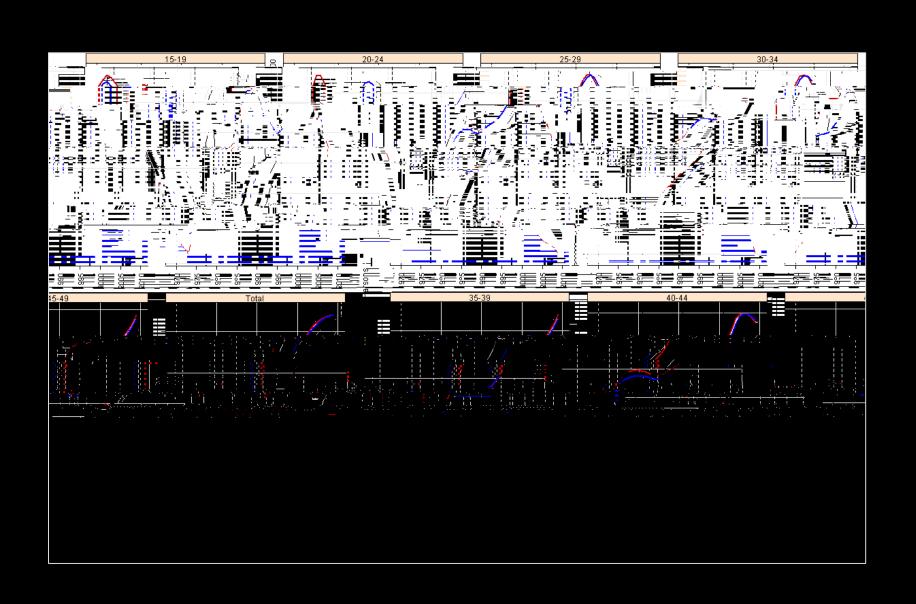


Changes in the definition of population: Poland

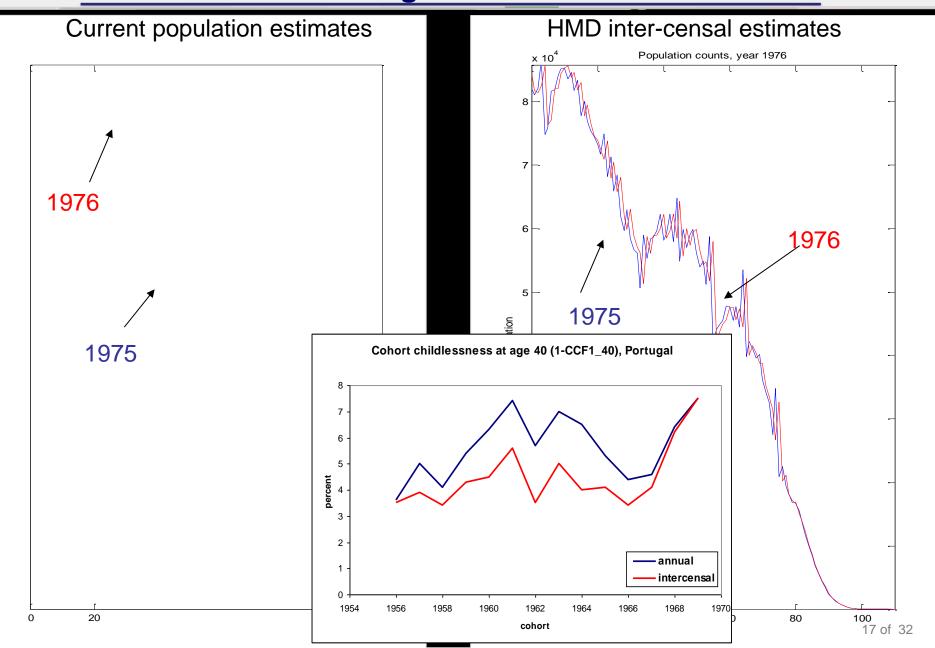


Change in the definition of ethnicity: New Zealand M ori

Impact of migration at working/reproductive ages on mortality and fertility estimates

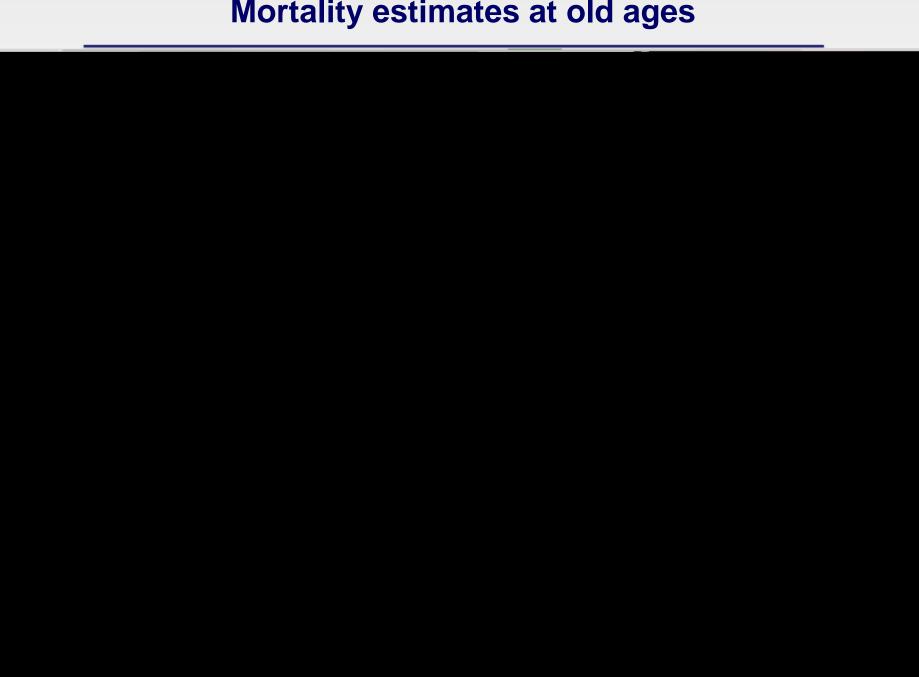


Inter-censal population estimates and fertility indicators: Portugal in 1975-76

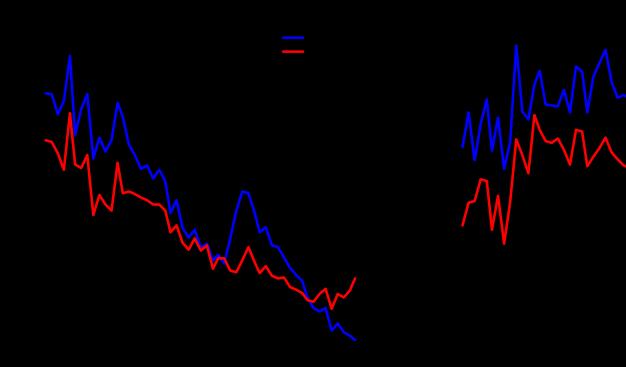








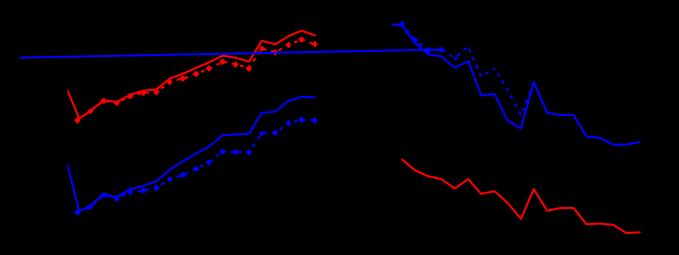
Germany: old ages



Germany: old ages (cont.)

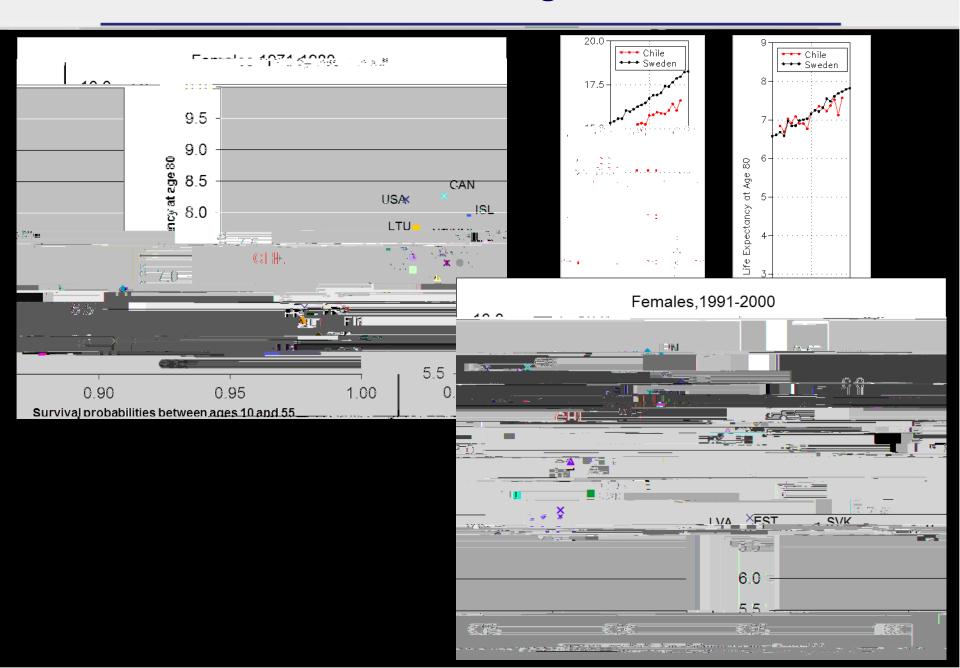


Life expectancy and probability of death for the corrected and the original data, West Germany, 1990-2008

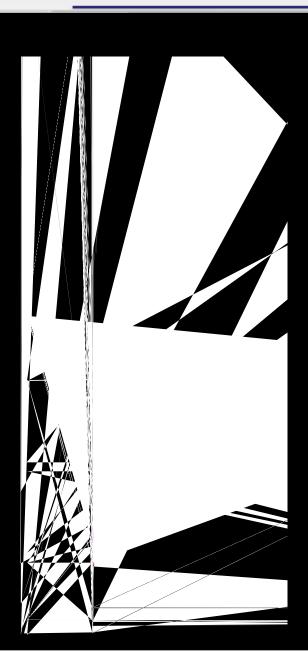




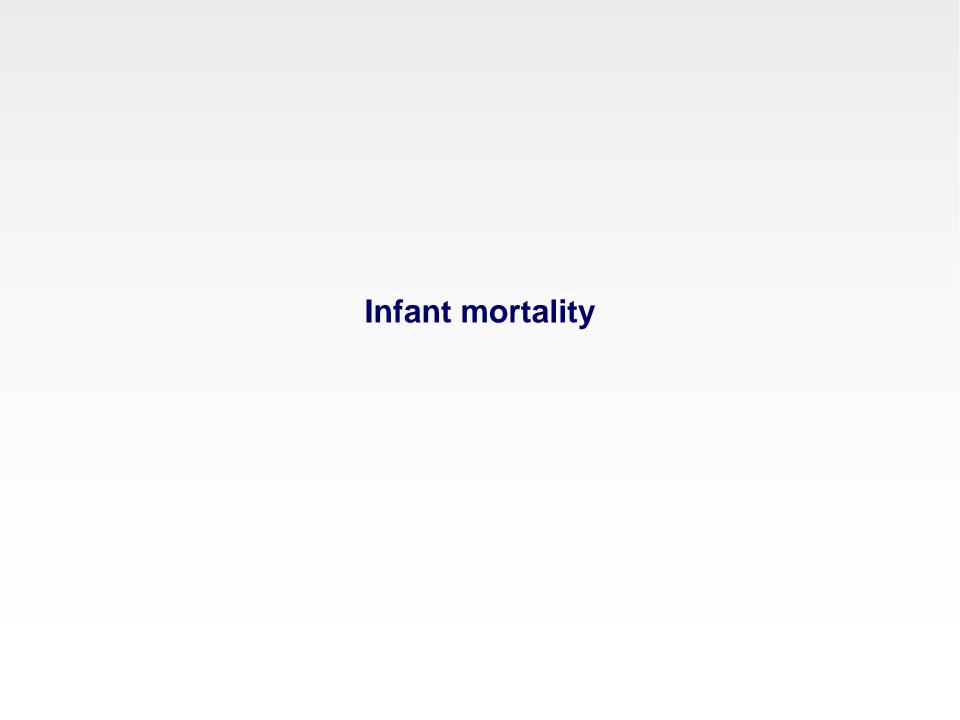
Chile: old ages



Costa-Rica: death rate ratios, males

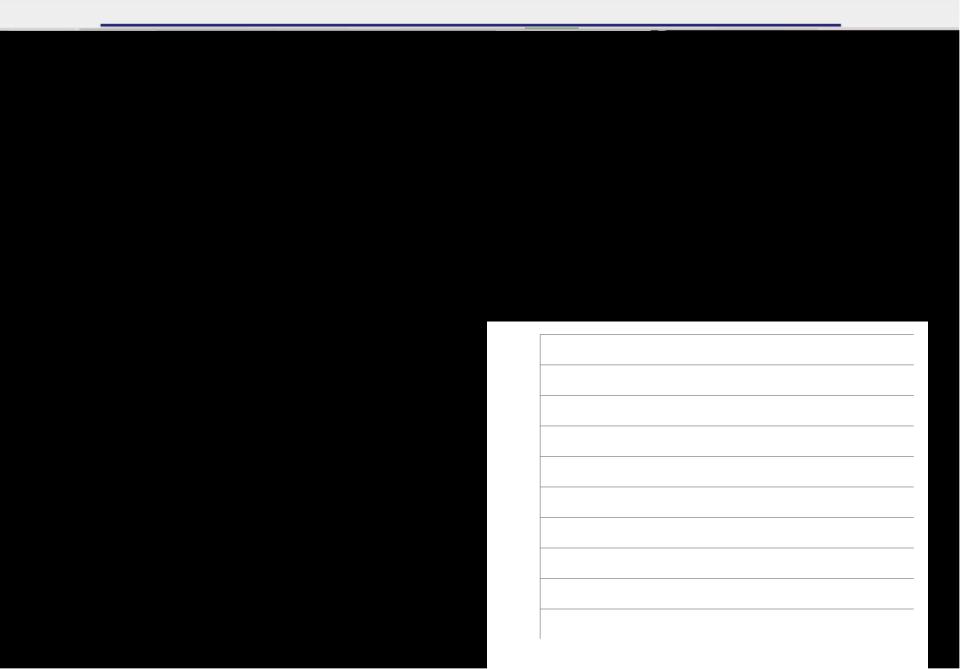


Costa-





South Korea: preliminary analysis



Conclusion

Thank you!