

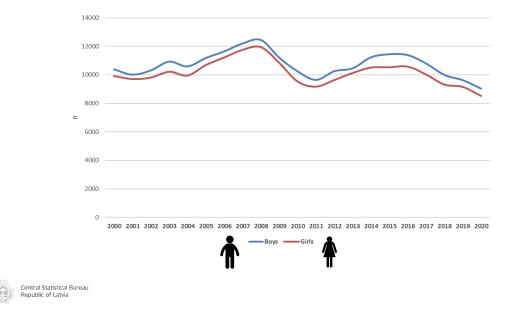
Gender disparities in life expectancy and mortality from preventable diseases in Latvia from 2000 to 2020

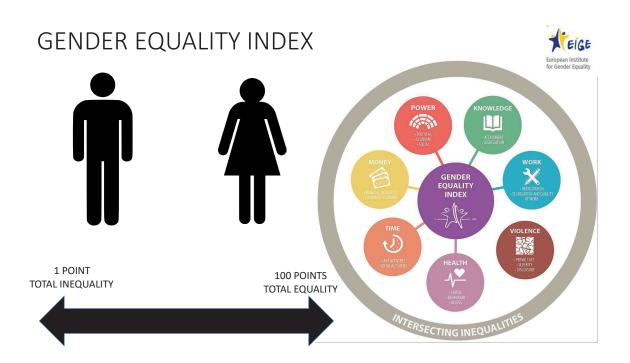
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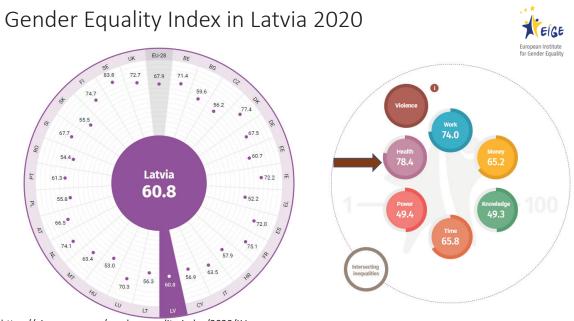
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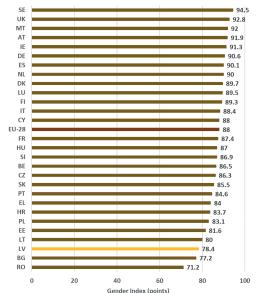
Number of live births by sex in Latvia: 2000 – 2020







https://eige.europa.eu/gender-equality-index/2020/LV



Gender equality index in health domain, EU: 2020

HEALTH INDICATORS

Health Status (Source: Eurostat. EU SILC, 2018)

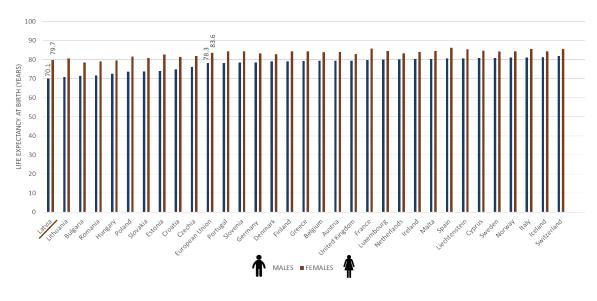
- Percentage of people assessing their health as 'very good' or 'good' out of total;
- Life expectancy at birth (Source: Eurostat, 2018);
- Healthy life years measures the number of remaining years that a person of a specific age is expected to live without any severe or moderate health problems.

Health behaviours (Source: Eurostat. EHIS, 2014)

- Percentage of people who are not involved in risky behavior, i.e. do not smoke and are not involved in heavy episodic drinking. Heavy episodic drinking is intake of six drinks or 60+ grammes of pure alcohol on one occasion. monthly or more often. during the past 12 months;
- Percentage of people who are physically active at least 150 minutes per week and/or consume at least five portions of fruit and vegetables per day.
- Access to health care (Source: Eurostat. EU SILC, 2018)
- Self-reported unmet need for medical examination;
- > Self-reported unmet need for dental examination.

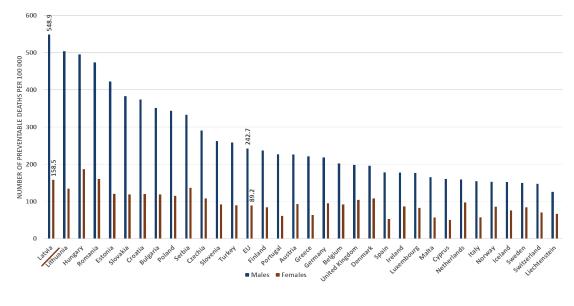
Gender Equality Index on health status

EU countries	Self-perceived health: good/very good (%)	Self-perceived health: good/ very good (%)	Life expectancy at birth (years)	Life expectancy at birth (years)	Healthy life years at birth (years)	Healthy life years at birth (years)
EU-28	66.9	71.6	83.6	78.3	63.8	63.4
EE	49.7	54.2	82.7	74.0	55.0	52.7
LV	42.9	52.0	79.7	70.1	53.7	51.0
LT	41.1	48.9	80.7	70.9	59.1	56.3
PL	56.8	61.8	81.7	73.7	64.3	60.5



Life expectancy at birth, 2018: Eurostat

Preventable deaths rate per 100 000, 2018: Eurostat



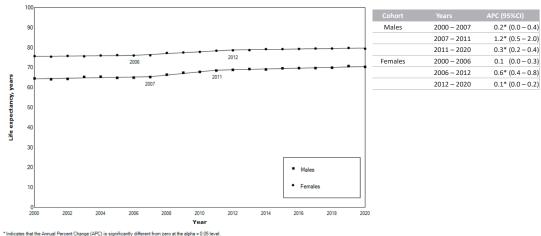
Study questions:

- Gender differences in trends in life expectancy in Latvia from 2000 to 2020; Α.
- Gender differences in trends of leading causes of preventable deaths affecting both males and females for those under 75 years: Β.
- lung cancer (C33-C34),
- chronic obstructive pulmonary disorders (COPDs) (J40 J47),
- ischemic heart diseases (I20 I25),
- cerebrovascular diseases (160 169),
- intentional self-harm (X66 X84),
- accidental injuries (W00 X39; X46 X59),
- transport accidents (V01 V99),
- alcohol-related disorders and poisonings (E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, Q86.0, R78.0, X45, X65, Y15)

* Methods:

1) Data sources

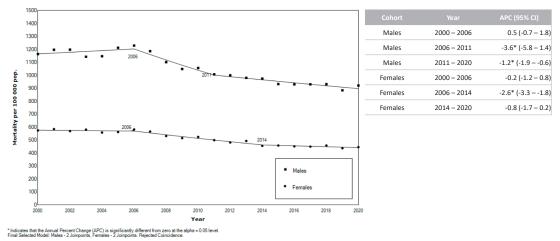
- Life expectancy data (Central Statistical Bureau)
- Mortality data from National database of Causes of Death (Centre for Disease Prevention and Control)
- ICD-10 codes from the 2018 joint OECD/Eurostat list of preventable and curable causes of death were used.
- 2) Statistical analysis
- Joinpoint regression analysis.
- The annual percentage change (APC) and the average annual percentage change (AAPC) in mortality rates with the corresponding 95% confidence interval (CI) were estimated. The two-sided P-value threshold was set at 0.05.



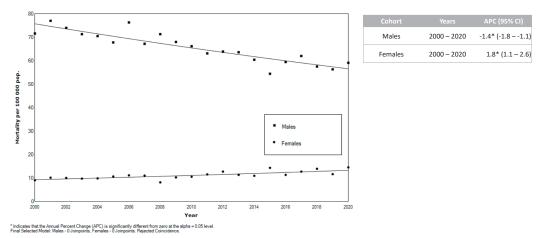
Life expectancy trends: 2000 - 2020

* Indicates that the Annual Percent Change (APC) is significantly different from zero at the Final Selected Model: Males - 2 Joinpoints, Females - 2 Joinpoints. Rejected Coincidence.

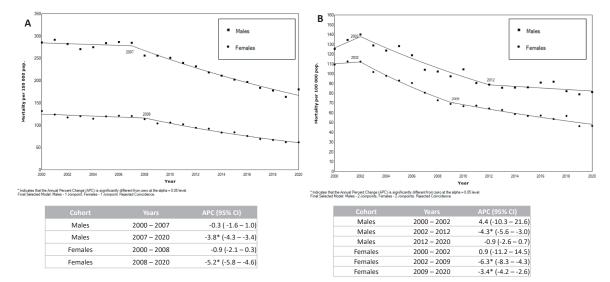
All-cause mortality per 100 000, persons under age of 75 years: 2000 – 2020



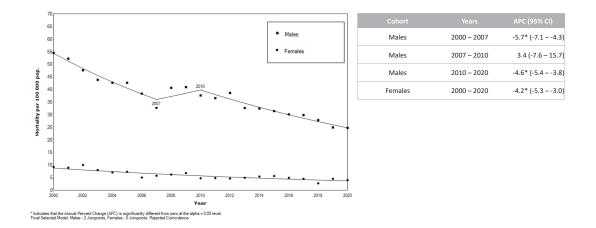
Mortality from lung cancer per 100 000, persons under age of 75 years: 2000 – 2020



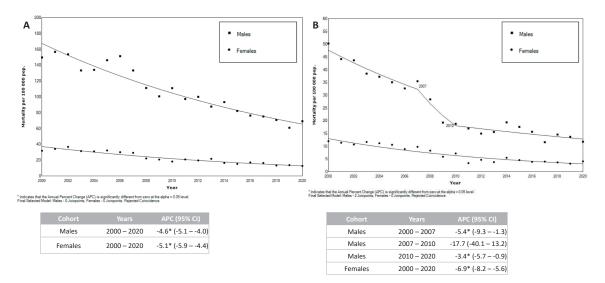
Mortality per 100 000, persons under age of 75 years: 2000 – 2020 (A) ischemic heart diseases and (B) cerebrovascular diseases



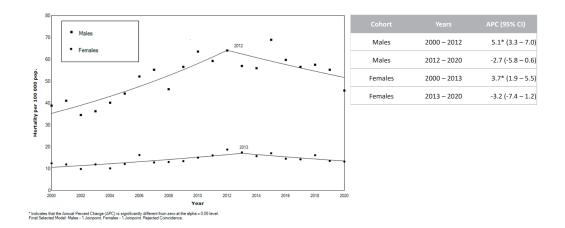
Mortality from intentional self-harm per 100 000, persons under age of 75 years: 2000 – 2020



Mortality per 100 000, persons under age of 75 years: 2000 – 2020 (A) accidental injuries and (B) transport accidents



Mortality from alcohol-related disorders and poisonings per 100 000, persons under age of 75 years: 2000 – 2020



Conclusions

- While health status indicators on life expectancy and all-cause and preventable mortality have improved in Latvia over the last two decades, a significant gender gap in health status remains.
- In-depth analyses are required to understand the underlying individual and environmental factors accounting for gender variations in health.
- Persisting gender disparities in life expectancy and preventable mortality rates suggest a continuing lack of tailored public health policies to tackle the gender gap in health status in Latvia.

