

Monitoring mobility during country lock-down

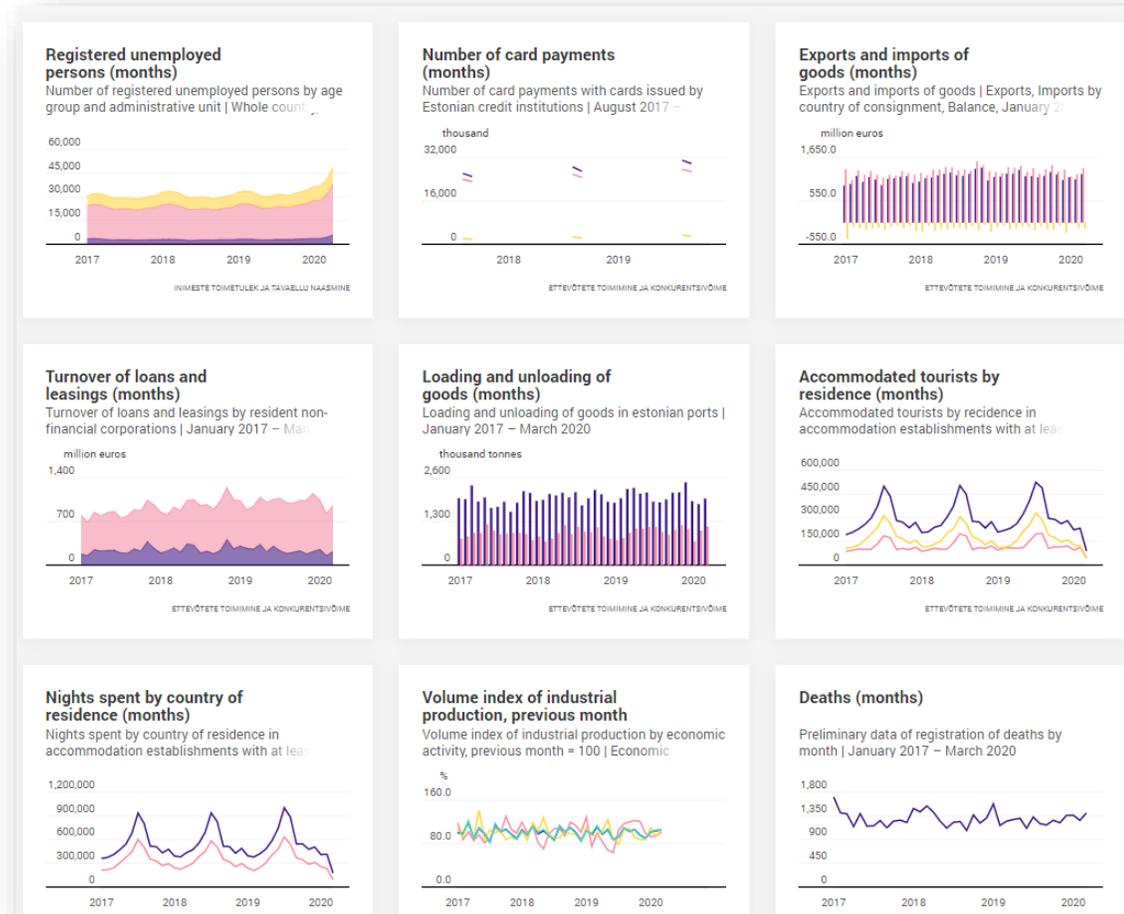
Statistics Estonia and Positium

Mart Mägi
Director General

Statistics Estonia as central co-ordinator of data

Statistics Estonia was appointed immediately by the Cabinet as the central co-ordinator and producer of all key social and economic indicators:

- health data: COVID-19 (daily) (delivered by the Health Board);
- mobility (daily);
- consumption (daily);
- deaths (weekly);
- labour market (weekly);
- economy (monthly).

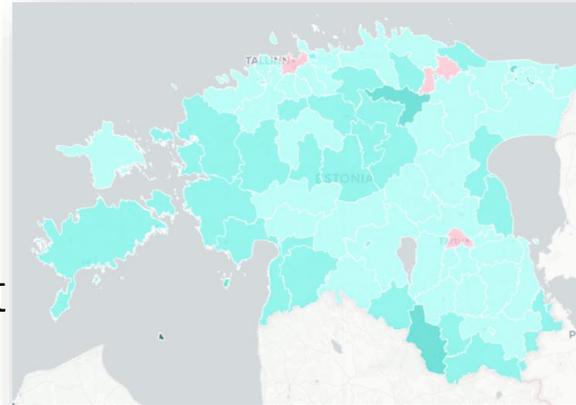


Daily data, information and trust building

- Signal data was obtained from all mobile operators daily.
- Daily information given to the public and government on key indicators:
 - Location
 - Time spent
 - Average distance travelled
- Interviews about confidentiality and trust

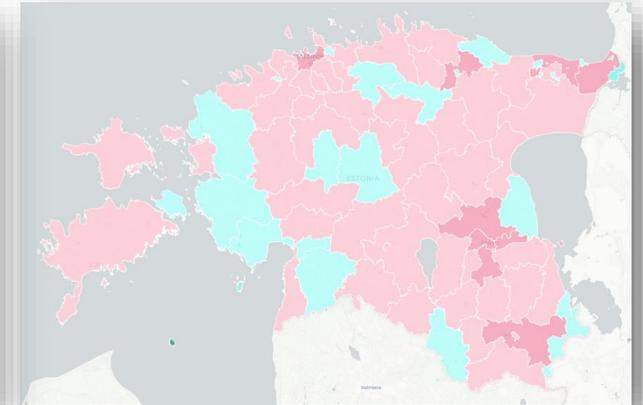
% of sedentary mobile phones

4 April 2020



Saturdays

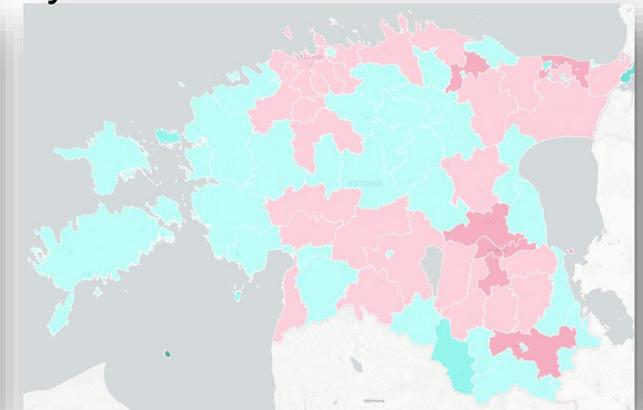
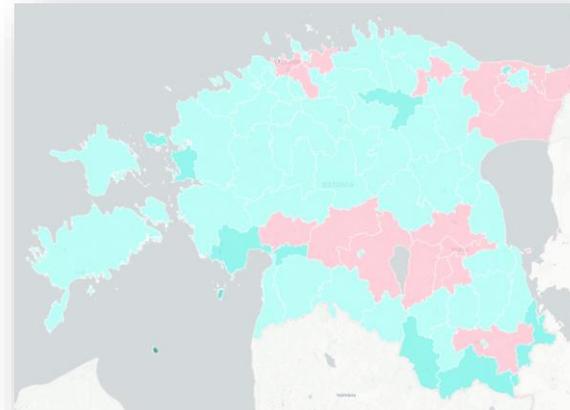
9 May 2020



30 March 2020

Mondays

11 May 2020



(darker green is more sedentary)

Conclusion

- Effective communication promoting what NSOs have to offer is crucial for creating win-win partnerships with policy-makers, other government agencies and the private sector.
- Effective communication is also critical to maintain and build trust in the society when using such sensitive data as mobile phone data.
- The framework for official statistics should be enlarged to include the new roles of NSOs. The scope of the NSS is widening, as new data sources become available and the society's expectations are changing regarding what new information data and statistics can provide.
- The international statistical community could widen its role and scope, developing new partnerships to create an international data community with MNCs (Google, Airbnb, etc.).

Thank you!

Mart Mägi
Director General
mart.magi@stat.ee

STATISTICS ESTONIA
www.stat.ee
Tatari 51, 10134 Tallinn