



Dealing with economic shocks – Corona pandemic in Sweden

2022-09-15

Mariah Nilsson

Statistics Sweden

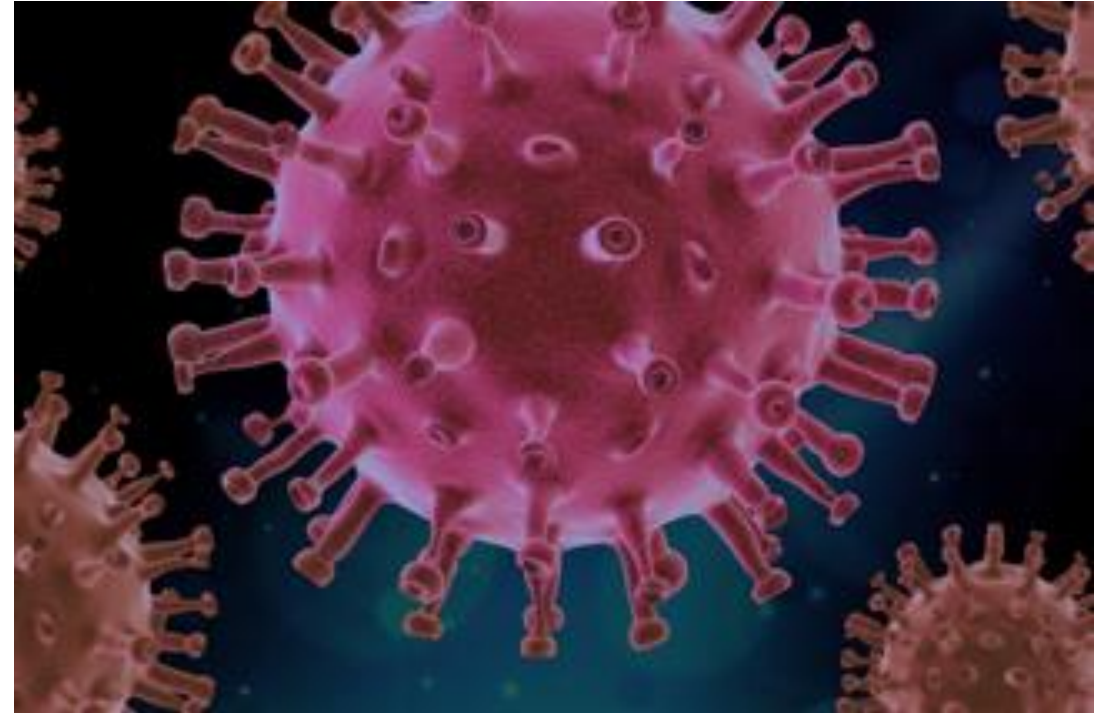


Outline of presentation

- Pandemic in Sweden
- Pandemic at Statistics Sweden
 - Data Collection
 - Response rates/Imputation
- Pandemic effects in the business sector
 - Industry analysis

Pandemic in Sweden

- Covid-19
- No lockdown
- Social distancing
- Limitations for public gatherings
- Governmental support to businesses



Pandemic at Statistics Sweden

- Sustain production
- Work from home
- Pro-active measures to reduce negative effects

- Limited consequences



Data collection during the pandemic

- Functioned as before
- Cancelled the use of financial penalties
- Increased sample size
- Response time
- Admin data

Response rates and imputations

- Administrative data
 - 85 % response rate
 - Mean value imputation

Response rates and imputations (2)

- Response rates in survey data, 82.1 %
- Obligation to respond

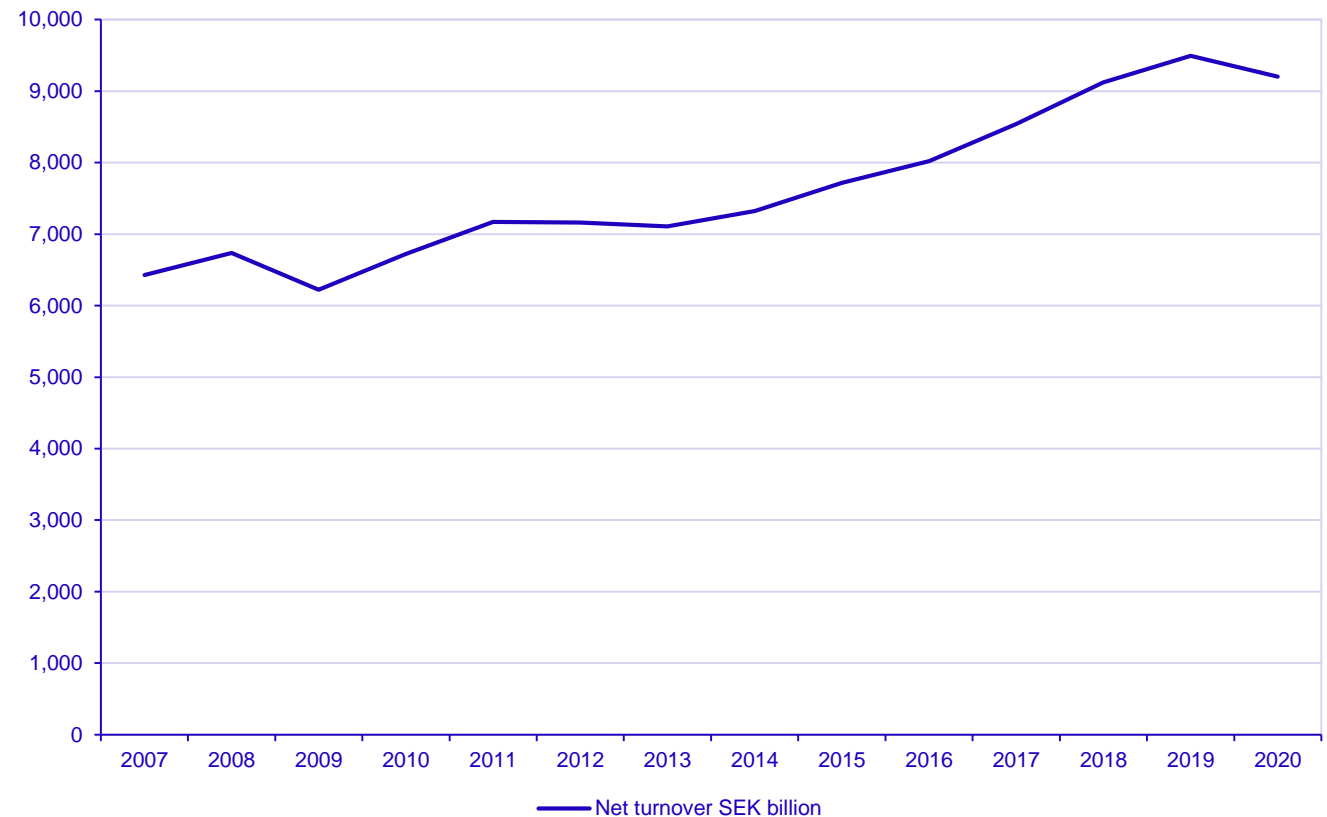
NACE Rev.2		Un-weighted response rate			
		2017	2018	2019	2020
49.41	Freight transport by road	74,0 %	72,6 %	65,5 %	68,7 %
56.1+56.3	Restaurants and mobile food service activities + Beverage serving activities	71,8 %	73,4 %	67,4 %	62,0 %
69.10	Legal activities (excl. advisory activities concerning patents and copyrights)	91,3 %	91,9 %	87,3 %	86,1 %
71.12	Engineering activities and related technical consultancy	91,3 %	91,0 %	87,2 %	85,9 %
Total 01-96 (excl. 64-66, 84)		86,3 %	87,4 %	83,5 %	82,1 %

Response rates and imputation (3)

- Freight transport & Restaurants
 - Small enterprises
 - Less persons employed in admin
- Legal activities & Engineering activities
 - Office based
 - Personnel in admin
- Decreasing response rates an increasing problem
- Same imputation method as for the admin data
- Recommendation – use the same method during crisis if possible

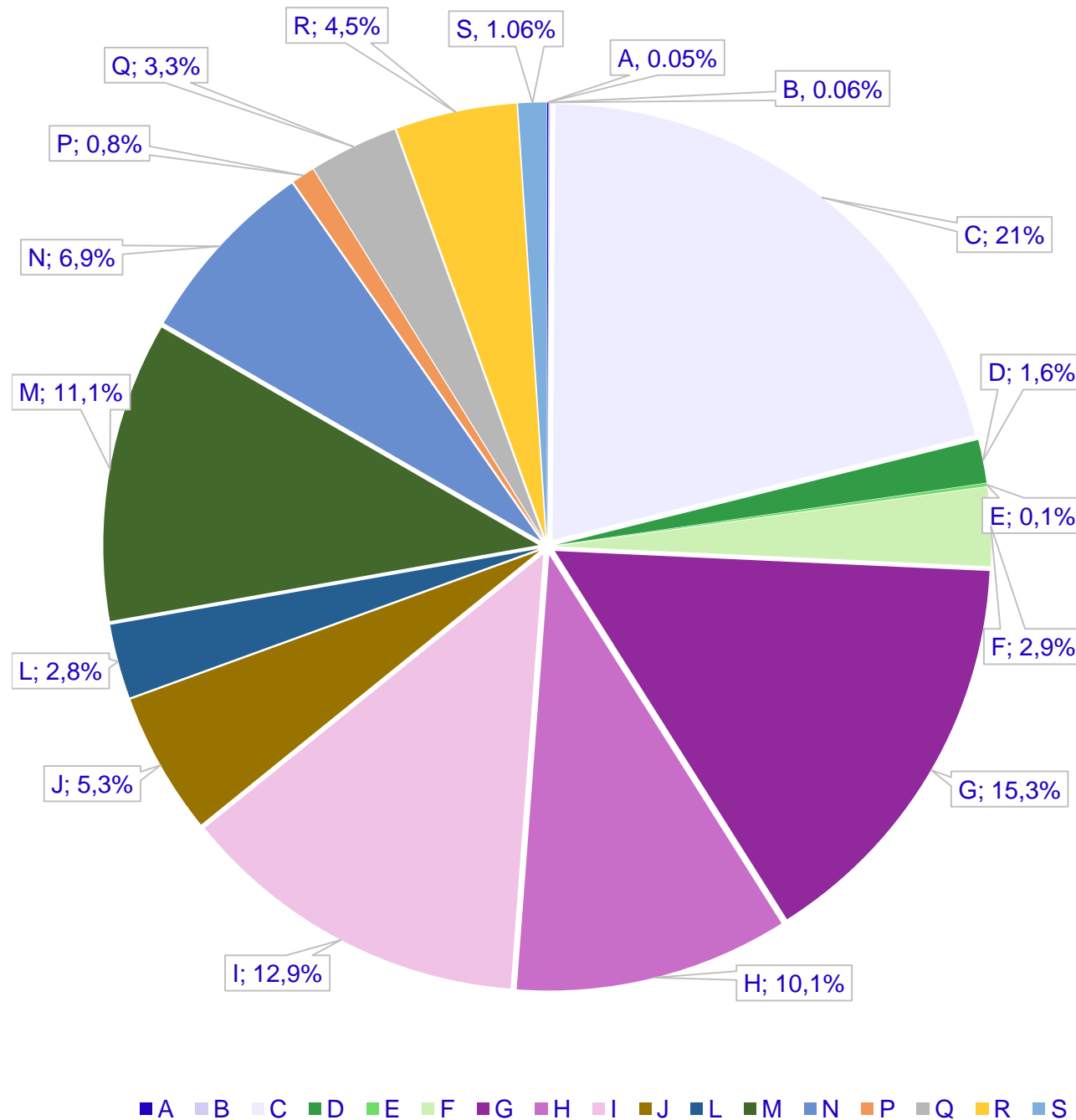
Pandemic effects in the business sector

- Not as significant as feared
- Smaller decrease than the financial crisis in 2008/2009
- Net turnover -3 %
- Employees (FTE) -2.5 %



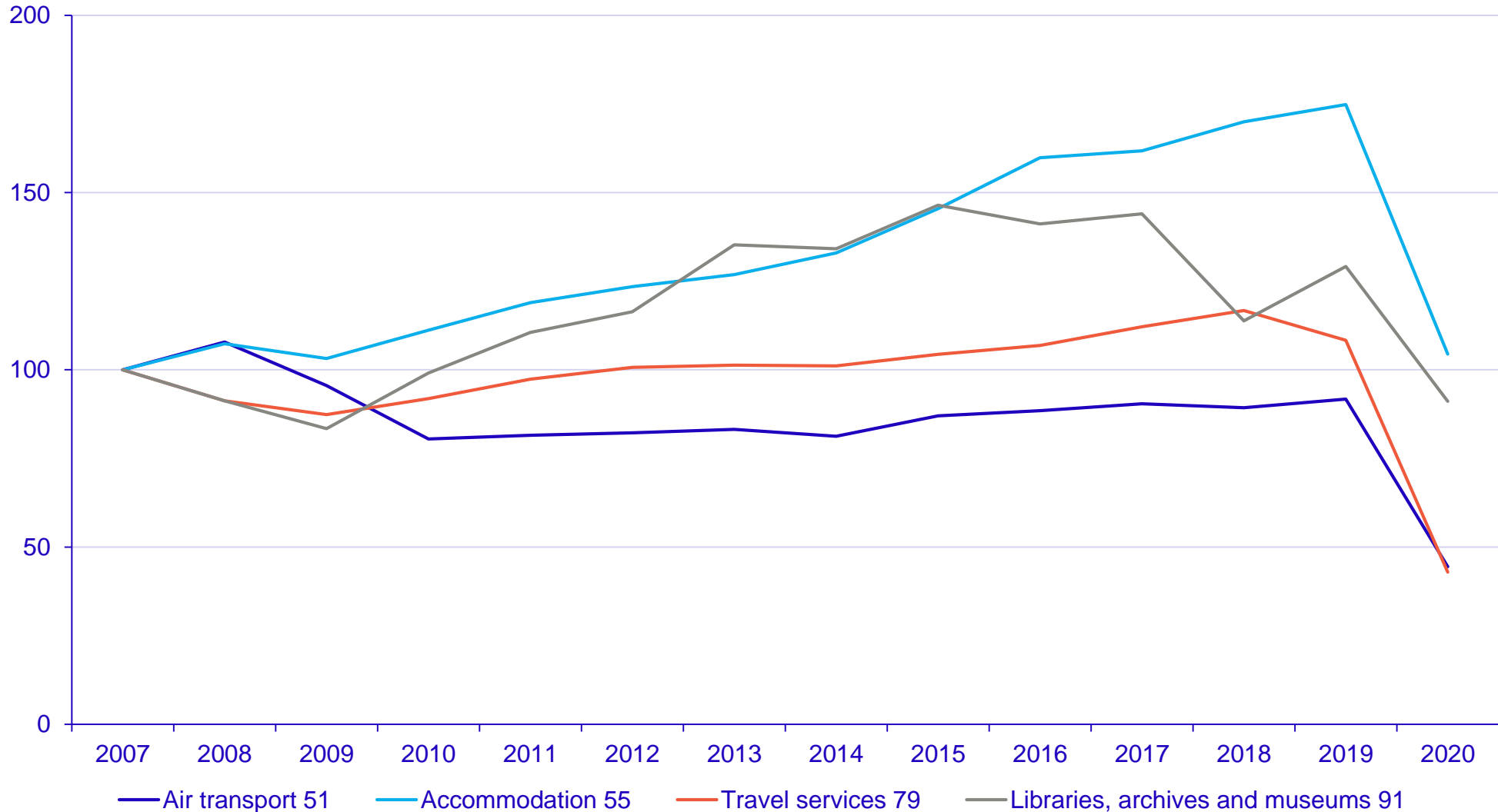
Pandemic effects (2)

- Subsidies and grants
 - Short-time work allowance
 - Lowered employer contributions
 - Reduced income
 - Etc.
- Total corona related subsidies divided by NACE sections
 - C, G, I



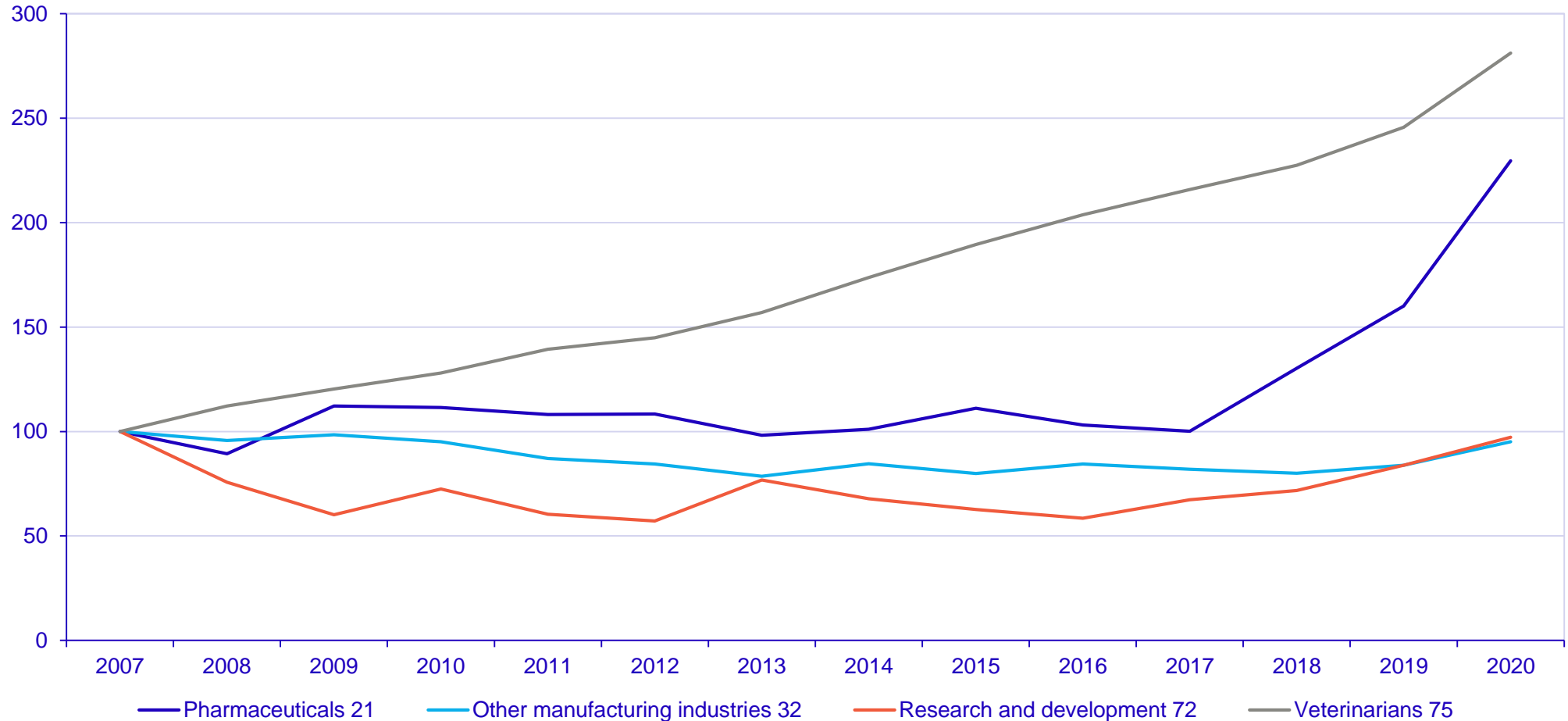
Industry analysis

Net turnover, 2007-2020, Index 2007=100, Industries with negative development during the first year of the Corona pandemic



Industry analysis (2)

Net turnover, 2007-2020, Index 2007=100, Industries with positive development during the first year of the Corona pandemic



Thank you for your attention

mariah.nilsson@scb.se

