

Sentinella data summary v1

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Summary of components

The sentinella data is made up of 2 basic components.

- Consultations. These are clinical consultations reported by general doctors for both ARI (Acute respiratory infections) and ILI (Influenza Like Infections) - According to FOPH ILI is a subset of ARI - so I use ARI as 'total consultations'
- Test results. A selection of consultations are then swabbed and the samples are sent for laboratory testing. They test for a panel of pathogens - we get data on positive/negative test results for Influenza A, Influenza B, RSV and SARS-CoV-2.

Sentinella regions

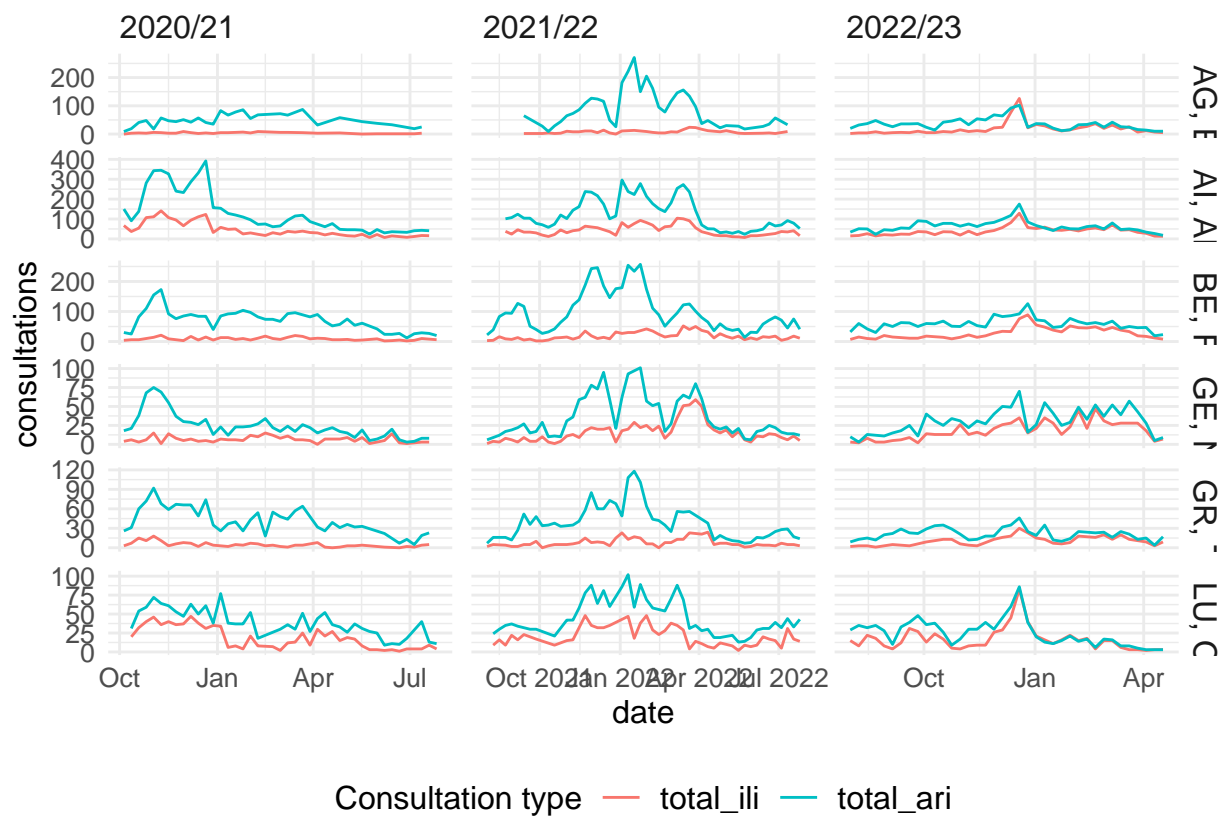
All the data we receive is reported weekly for 6 'sentinella regions':

Table 1: Table 1. Sentinella regions

region	region_nr
GE, NE, VD, VS	1
BE, FR, JU	2
AG, BL, BS, SO	3
LU, OW, NW, UR, SZ, ZG	4
AI, AR, GL, SG, SH, TG, ZH	5
GR, TI	6

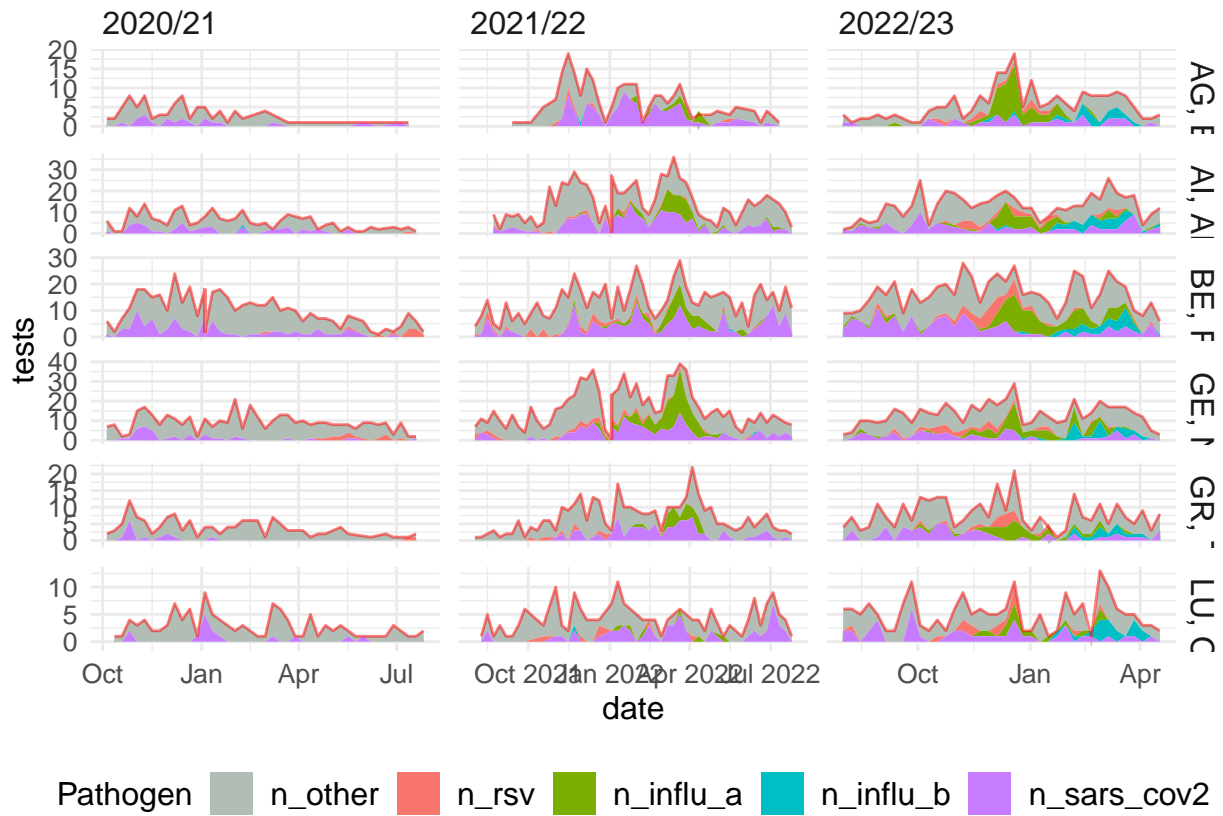
Consultations

we have data since autumn 2020. The number of consultations reported in a given week ranges between 3 and 392. Here are the consultations for the past 3 seasons by region.



Tests

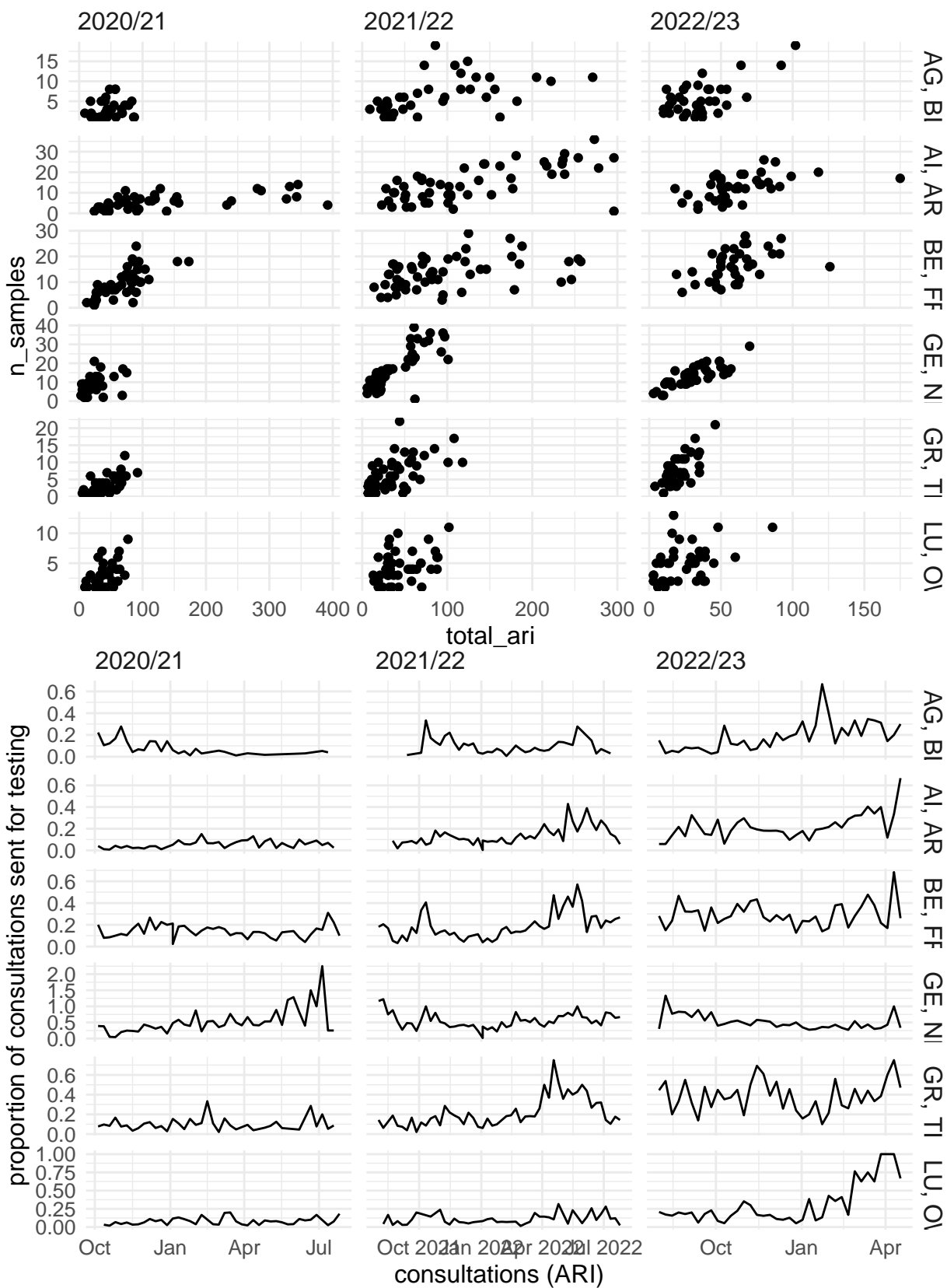
Test results are also reported by region weekly and represent a subset of the consultations.

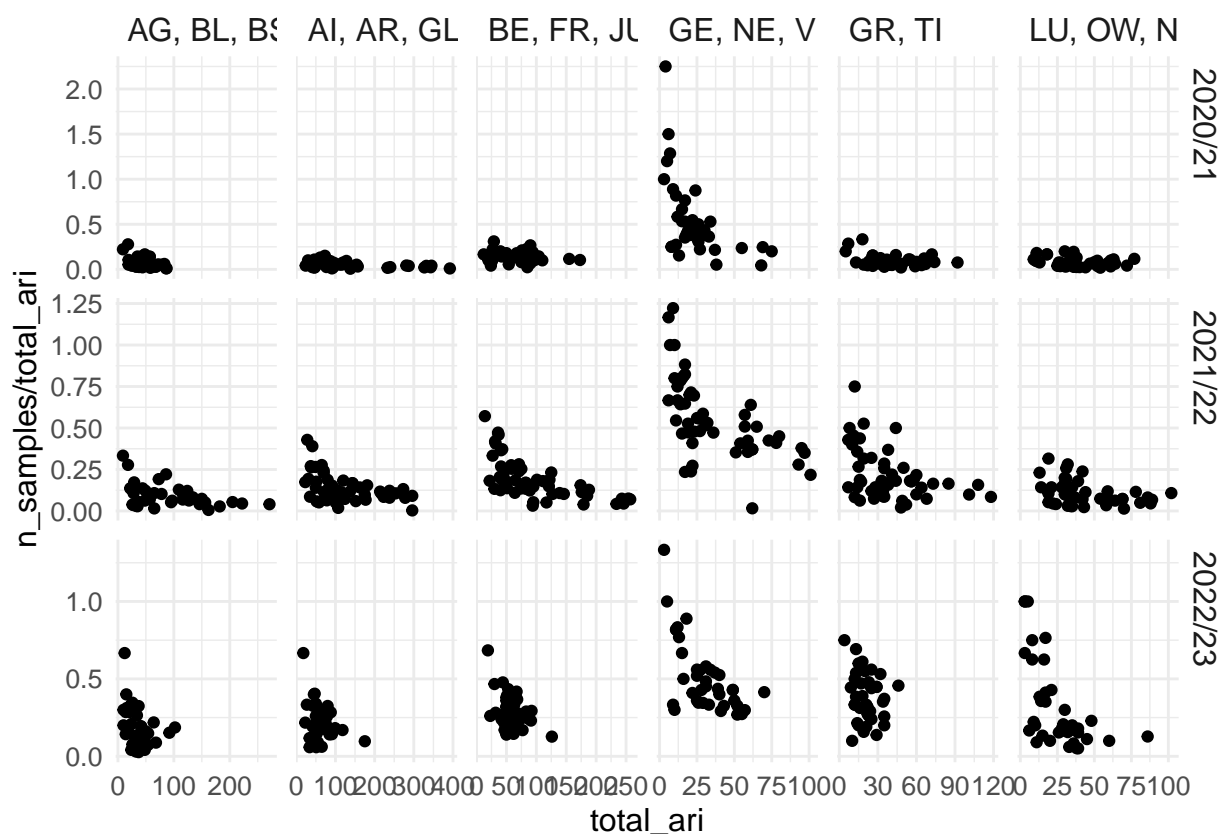


Note that SARS-CoV-2 really dominates the positive tests for much of the monitored period.

proportion of consultations tested

- Strong correlation between samples and consultations in some regions
- Some substantial outliers with very few tests for large numbers of consultations.
- In general proportion of consultations sent for testing reduced with the number of consultations.





So far i have assumed the proportion of consultations resulting from each pathogen is reflected in the proportion of tests positive for the pathogen.

