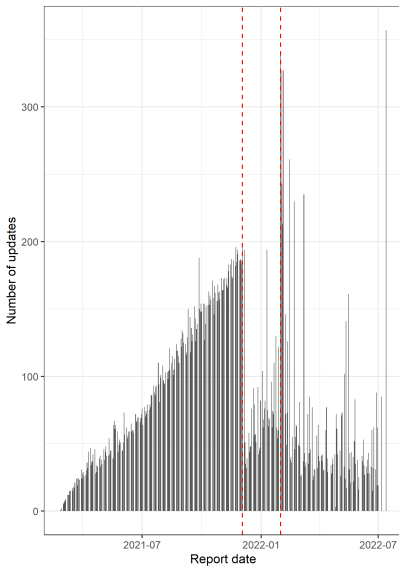
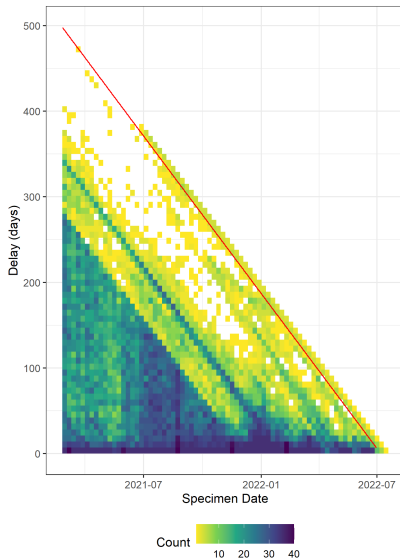


Action items from previous meeting

1. Visualise extra-long delays
2. Analyse test-specific case data

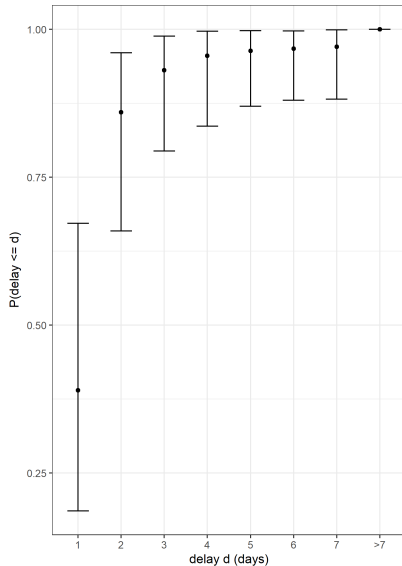
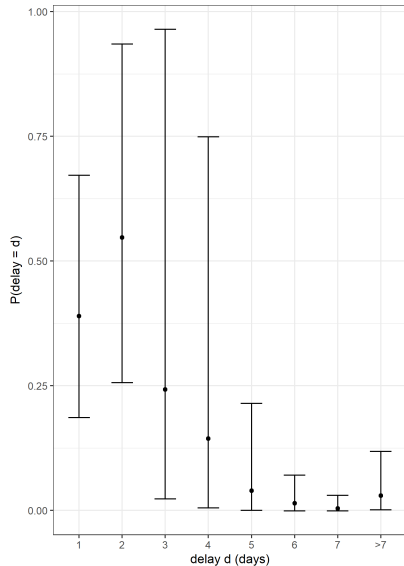
Extra-long delays



Extra-long delays

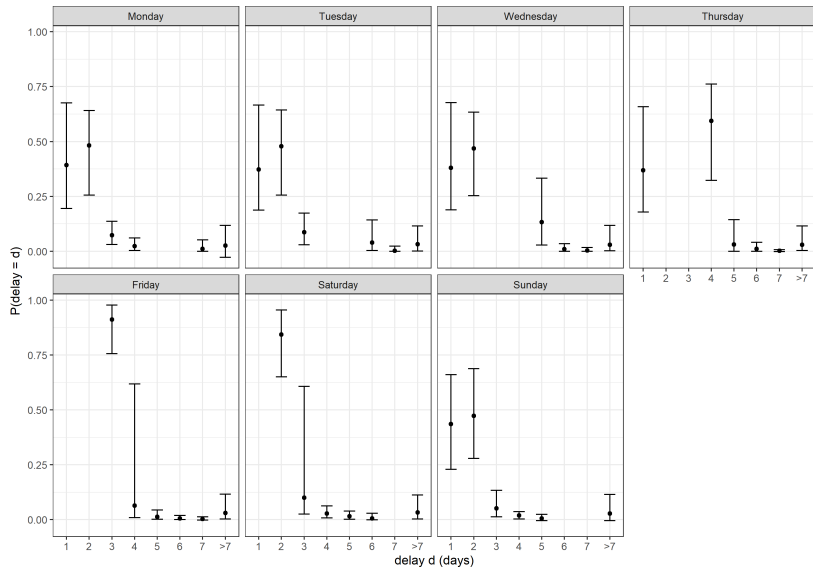
- ▶ Number of updates per report date increased quite steadily till 03/12/21
 - ▶ Unsure about why this happened
- ▶ Large number of updates on 31/1/22
 - ▶ Updating of case definition to include multiple infection episodes
 - ▶ Cases by specimen date revised back to the beginning of the pandemic
- ▶ Conclusion: might be reasonable to assume a maximum delay of ~50 days?

Distribution of cases by delay



Day of week

Sanity check

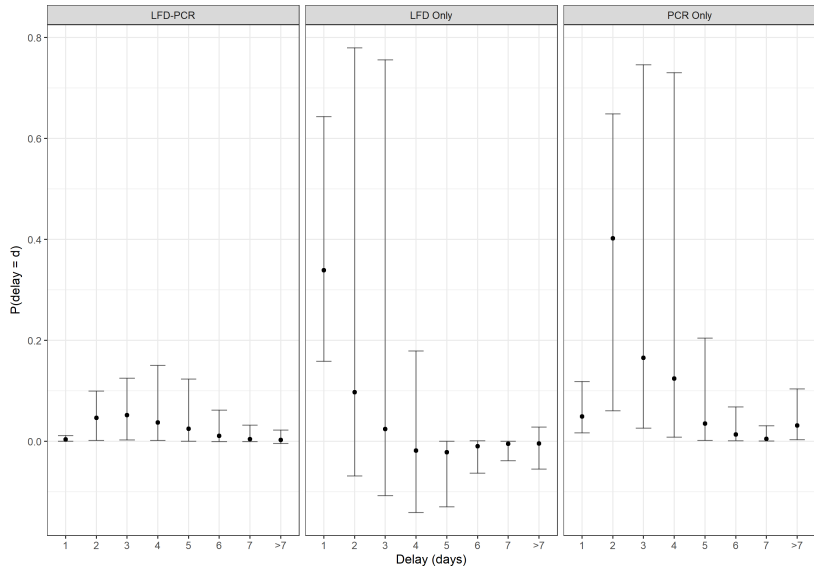


Test-specific case data

New cases by specimen date is the sum of three separate data sources:

1. LFD confirmed by PCR
 - ▶ Identified by LFD and confirmed by PCR within 3 days
 - ▶ Date reflects LFD test date
2. LFD only
 - ▶ Identified by LFD and not confirmed by PCR within 3 days
 - ▶ If subsequent PCR is negative, cases will be removed
3. PCR only
 - ▶ Identified by PCR excluding those identified by LFD within 3 days

Test type



Test type

- ▶ Might be able to nowcast LFD-PCR and PCR only streams separately
 - ▶ updates for these streams are not all positive, occasionally some case definition revisions lead to large negative updates
 - ▶ e.g. Revision to episode-based case definition on 1/2/22 led to large drops in PCR only cases for a few dates (7-10/1/22) in the thousands
- ▶ Need a different model for LFD only stream

Next steps

- ▶ Try out epinowcast
- ▶ Explore further stratification by location and age
- ▶ Create counterfactual datasets with alternative reporting schedule (weekdaily vs weekly)