Some good news, some bad news

1. Cases
2. Hospitalisations
3. Deaths
4. Age breakdown
5. Vaccination data

NB: ONS infection survey is late reporting this week so not included in today’s slides

With many thanks to Bob Hawkins and Catherine Finnecy for their help in collating the data and discussions on interpretation.
Cases
Number of new UK confirmed COVID-19 cases by reported date (people who have had a positive test)

Data from https://coronavirus.data.gov.uk
Percentage positivity – UK nations – “specimen date” to 9th Jan

Data from:
Scotland: https://www.opendata.nhs.scot/dataset/covid-19-in-Scotland
England: https://coronavirus.data.gov.uk

Visualisation courtesy of Bob Hawkins
Positivity rate for all English Regions
Comparison of week ending Jan 8 to prior week

Regions Ranked by Cases

Data from https://coronavirus.data.gov.uk
Visualisation courtesy of Bob Hawkins
Cases per 100,000 people by age to 10th January

Figure 4: Weekly laboratory confirmed COVID-19 case rates per 100,000, tested under Pillar 1 and Pillar 2, by age group

Going down in all age groups except the over 80s

Incidents in care homes increasing (is this a Christmas effect??)

Over 15% of 85+ yr olds are in a care home

Incidents in workplaces increasing

Figure 21: Number of acute respiratory infection (ARI) incidents in workplace settings by virus type from week 27, England

Incidents in workplaces increasing but not schools

The 15 London local authorities with the lowest attendance by last week of term

Hospitalisations
Number of people in hospital per million people – UK nations (daily 7 day average)

Data from [https://coronavirus.data.gov.uk](https://coronavirus.data.gov.uk).
Number of new hospital admissions with COVID-19 per day in England to 12th Jan

Data from https://coronavirus.data.gov.uk/
Number of new hospital admissions with COVID-19 per day in England to 12th Jan – by wave (31st August boundary)

114,143 admissions

172,044 admissions,
100,371 since 1 Dec

Data from https://coronavirus.data.gov.uk/
7-day average of daily number of new hospital admissions with COVID-19 per day / million people across different regions in England to 12th Jan

Data from https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-hospital-activity/
Critical care occupancy in London and East is double what it was in 2019.
Critical care occupancy in London is higher than in first wave.
Hospital occupancy is 50% higher than in first wave.
It’s already taking longer to come down.

Data from https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-hospital-activity/
Deaths
Number of new UK deaths from COVID-19 registered per week, to 1\textsuperscript{st} January

Data from:
- England and Wales: www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/deathsregisteredweeklyinenglandandwalesprovisional/latest
- Northern Ireland: www.nisra.gov.uk/publications/weekly-deaths
Number of deaths within 28 days of +ve COVID test reported per day across the UK to 14th Jan

Data from https://coronavirus.data.gov.uk/
Number of deaths within 28 days of +ve COVID test reported per day across the UK to 14th Jan – by wave (31st August boundary)

Data from [https://coronavirus.data.gov.uk/](https://coronavirus.data.gov.uk/)
Age breakdowns
How age plays a role in infections, hospitalisations, deaths and vaccinations (using data since October)

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https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/deathsregisteredweeklyinenglandandwalesprovisional/latest
Vaccination data
Number of people vaccinated (1\textsuperscript{st} jab) per week in the UK

Data from https://coronavirus.data.gov.uk/

Daily figures have just started being published.

Almost 280,000 people received their first dose on 13\textsuperscript{th} Jan – on track for 2 million a week.

Over 35\% of over 80s have now been vaccinated.

Data from https://coronavirus.data.gov.uk/
Number of people vaccinated (1\textsuperscript{st} jab) per week in the UK

English NHS regions are administering the coronavirus vaccine to people aged 80+ at varying rates

Nearly half of people aged 80+ in the North East and Yorkshire have received at least one dose of the vaccine

- 46% North East & Yorkshire
- 38% North West
- 36% Midlands
- 29% East of England
- 37% South West
- 31% London
- 37% South East

London and the East of England have so far vaccinated the lowest proportion of their residents aged 80+

Guardian graphic. Source: NHS England, ONS population per NHS region

Graph from: https://www.theguardian.com/world/2021/jan/14/covid-vaccinations-discrepancies-london-east-of-england-lag-nhs-regions
Summary

Case numbers and positivity rates now falling in all nations.

Hospitals are under enormous pressure which is still getting worse. Will hopefully ease over coming weeks.

Deaths will continue to increase for at least a few more weeks.

Lockdown is working but not yet well enough – possible still that cases will plateau at a high level. And we have to get cases down as fast as possible given pressure on hospitals and availability of vaccines.

Need to start planning for spring and summer now – how will keep cases low? How will we prevent new variants arising here or coming in from elsewhere?