



Estimates & Projections

PSUG 14 December 2022



Projections & Estimates

- 2021-based projections
 - Model updates and data
 - BPO projections
 - Schedule
- Estimates
 - ONS releases
 - GLA backseries



Estimates

Mid Year Estimates

- 2021 MYE will be released Wednesday 21 December
- Rolled-forward estimate from the Census
- Estimates for 2 periods
 - Census – MY2021 (April-June)
 - MY2020 to MY2021 (July-June)
- We expect:
 - Population by single-year-of-age & sex
 - Total components (no age breakdown)

Mid Year Estimates

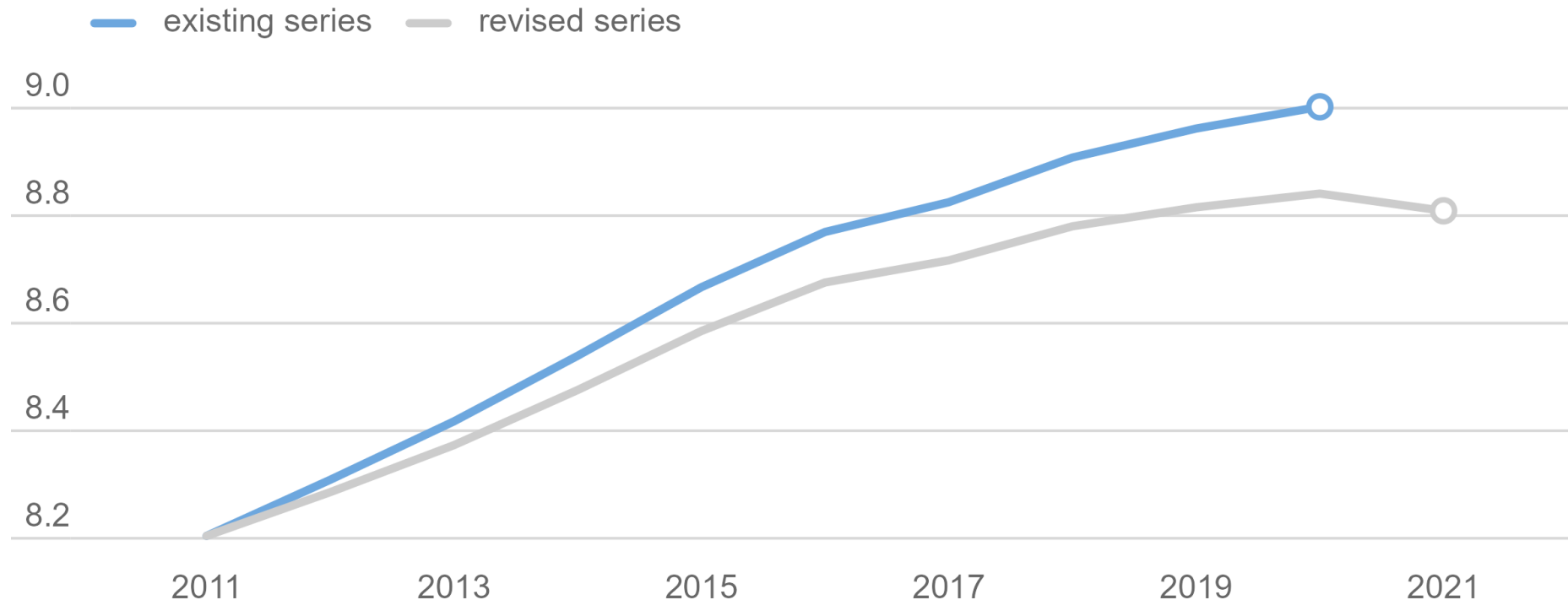
- ONS have suggested previously that these estimates will be updated at some point in 2023 as new/better data become available
- Small area estimates for mid-2021 not expected until November 2023
- Revised backseries for 2012-2020 in 'Spring 2023'

MYE backseries

- We can't wait for the ONS backseries
- We have a process ready to do our own
- Population is modelled as the 'most plausible' series between the 2 census points
- Then international flows over the period are adjusted so that components sum to revised population
- Births, deaths and domestic don't change

MYE Backseries - Population

Existing & Revised MYE Series, London



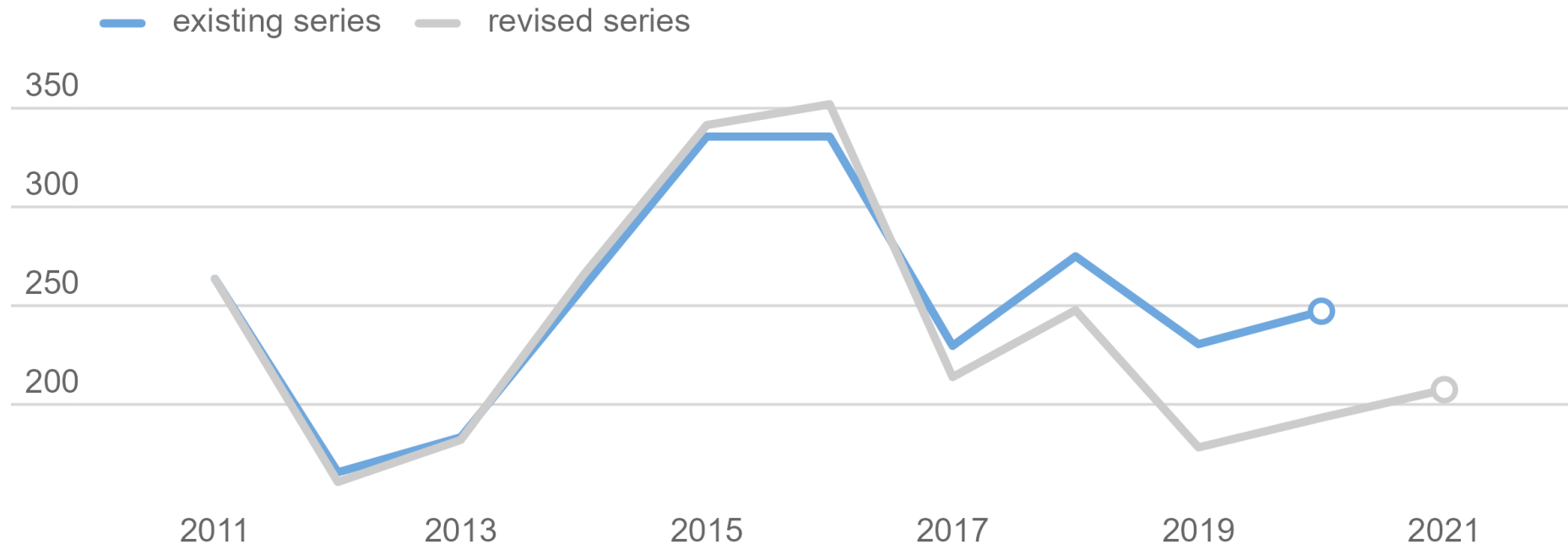
Source: ONS MYE & GLA experimental revised series

Note: Revised series is indicative only. Actual data yet to be produced.

MYE Backseries – International Net

Existing & Revised International Migration, London

persons (thousands)

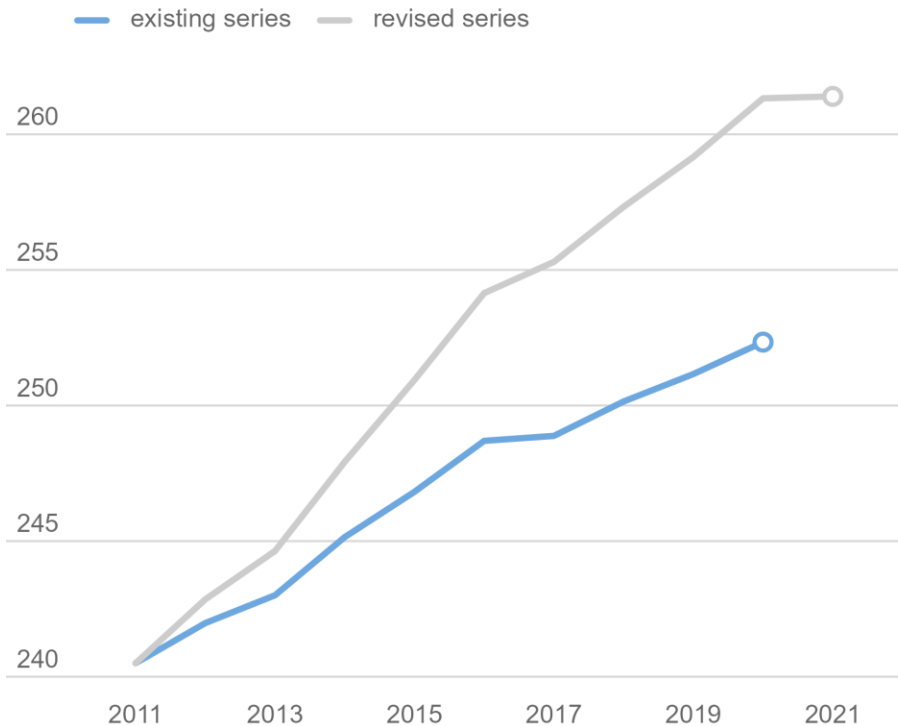


Source: ONS MYE & GLA experimental revised series

Note: Revised series is indicative only. Actual data yet to be produced.

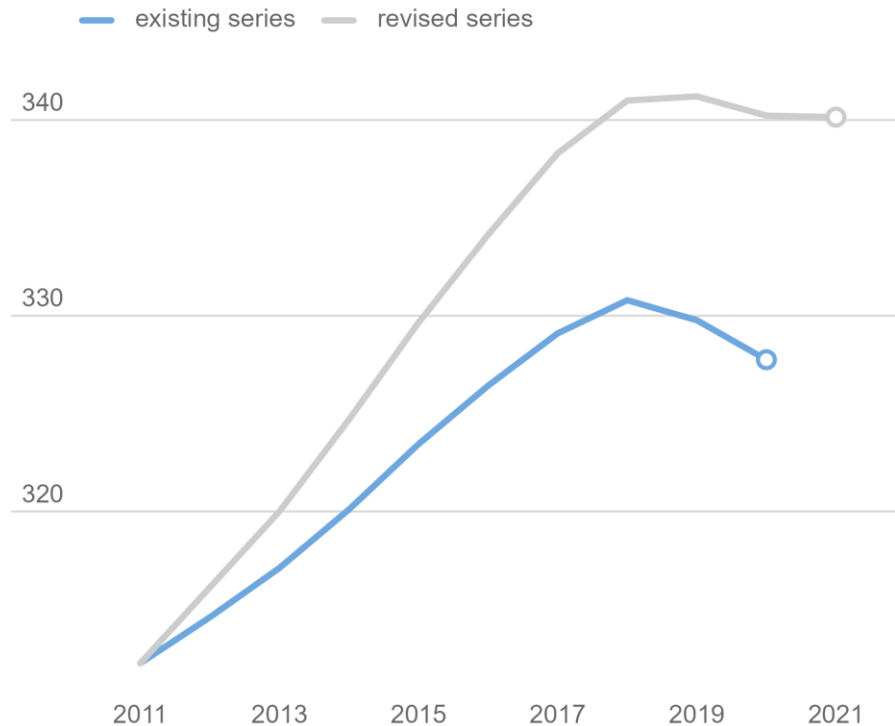
MYE Backseries

Existing & Revised MYE Series, Harrow
population (thousands)



Source: ONS MYE & GLA experimental revised series
Note: Revised series is indicative only. Actual data yet to be produced.

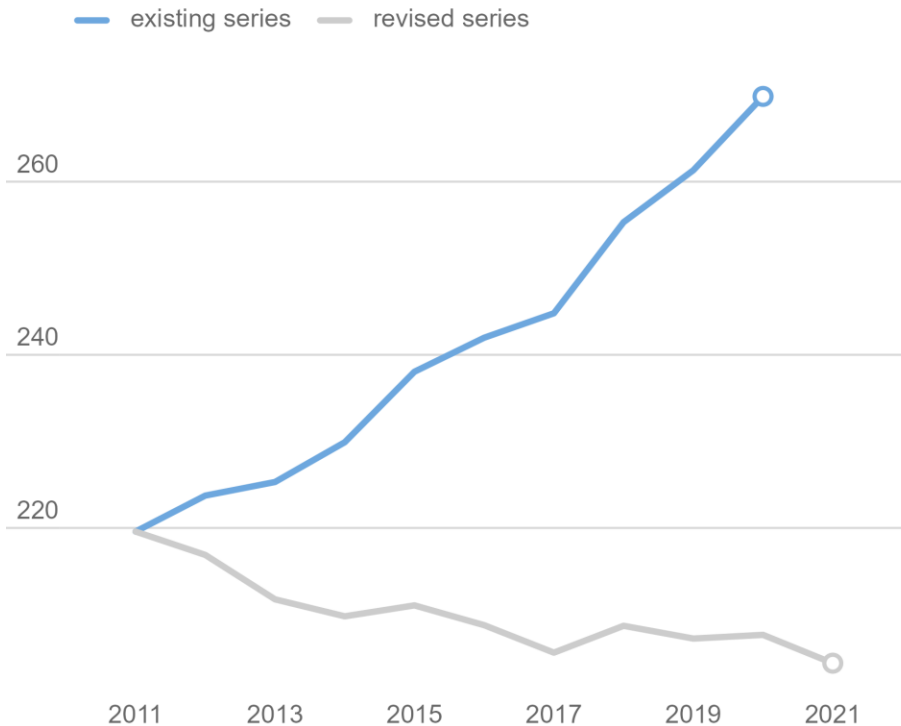
Existing & Revised MYE Series, Ealing
population (thousands)



Source: ONS MYE & GLA experimental revised series
Note: Revised series is indicative only. Actual data yet to be produced.

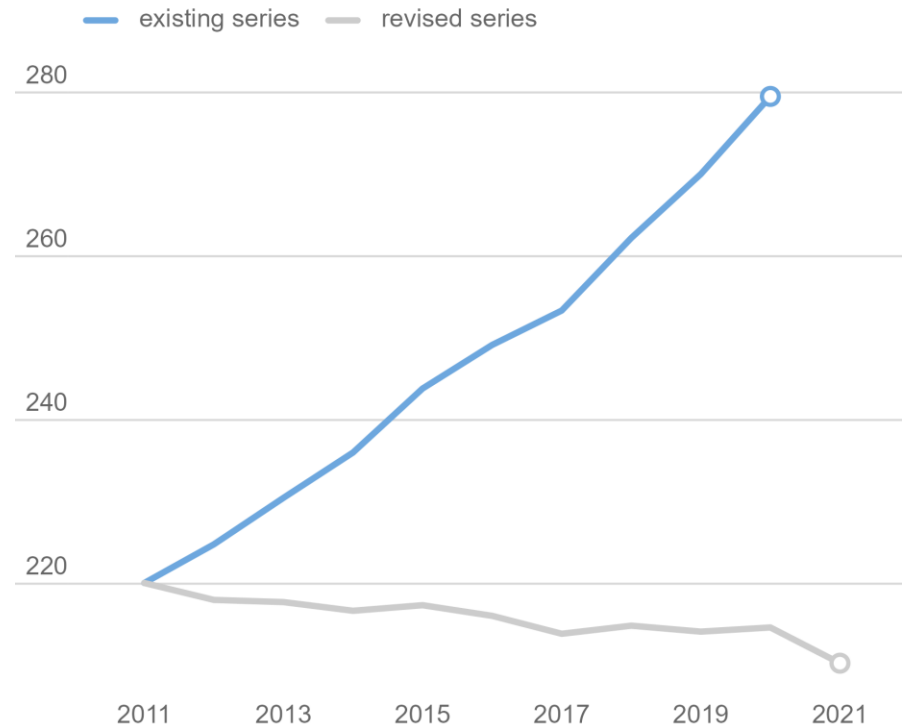
MYE Backseries

Existing & Revised MYE Series, Westminster
population (thousands)



Source: ONS MYE & GLA experimental revised series
Note: Revised series is indicative only. Actual data yet to be produced.

Existing & Revised MYE Series, Camden
population (thousands)



Source: ONS MYE & GLA experimental revised series
Note: Revised series is indicative only. Actual data yet to be produced.



MYE Backseries

- Work on the backseries will start once the 2021 MYE is published (21 Dec)
- Once we have that series we can then run the 2021-based projections



Projections



2021-based Projections

- Trend projections at local authority for England & Wales, national for Scotland and Northern Ireland
- Ward (2022 boundaries) projections for London
- Will use the 2021 MYE as their jump-off
- Will use rates calculated on the revised backseries
- Will include a modelled estimate of 2022 births
- International migration in 2022 consistent with LTIM



Flexible Area Model

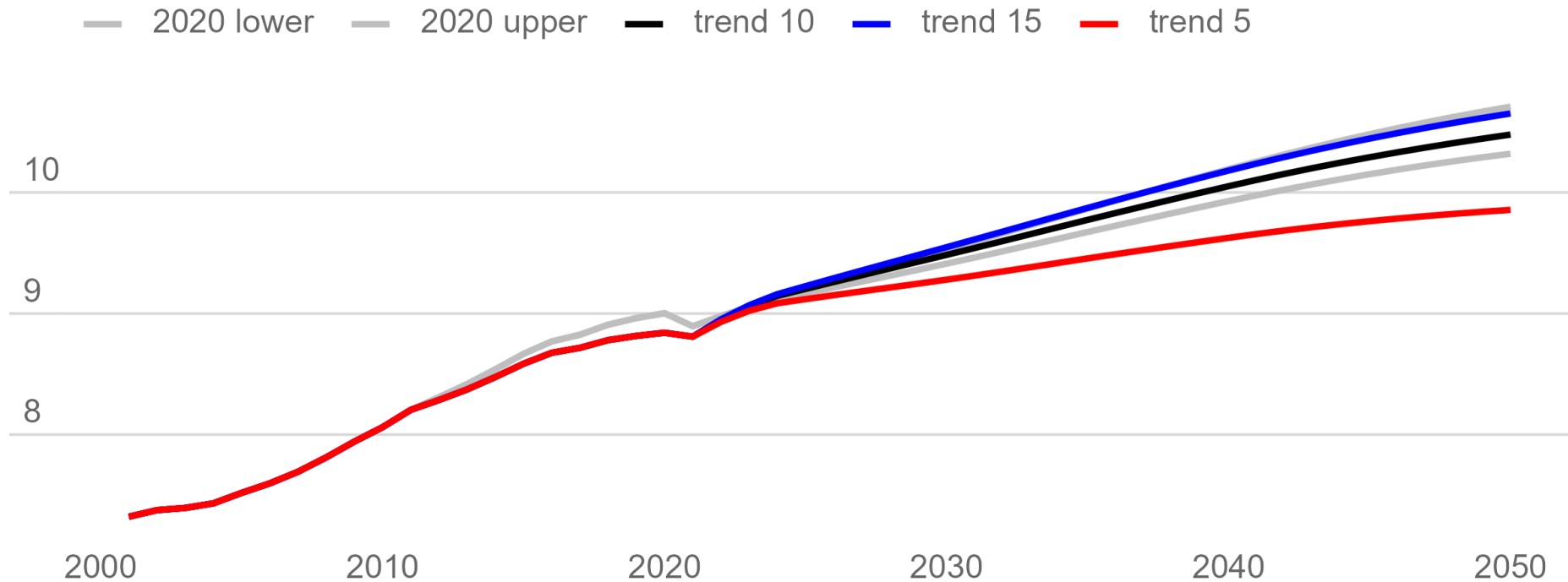
- This will be the second year the ward projections have been run using our new flexible area model
- It allows us to model migration in and out of wards directly and reduces the reliance on out-dated census information
- It also means we can provide projections on current ward boundaries (or any geography)
- Inputs are built by aggregating modelled output area components of change up to ward geographies

Census inputs

- Our flexible area model does still incorporate some data from the census
- Where possible this will be updated with 2021 census data
- In some cases the 2021 hasn't yet been released and so we'll continue to use 2011
- In other cases it will be a mixture of the 2 (e.g. communal est.)

2021-based Projections

Indicative 2021-based projections, London population (mil)



These are not official GLA projections. This chart is indicative only.



Projections schedule

- We will only be running on 2022 ward boundaries
- Slightly revised schedule this year
- BPO is the priority

BPO – Development Data

- Call has already gone out for development trajectories
- If trajectories are returned before mid-Jan then that assures your BPO will be part of the first run
- Returning dev data later will not prevent you from getting a BPO but may mean there is a longer wait due to GLA capacity to run the projections
- Those who don't want to return any dev data will have access to a projection run using 2017 SHLAA capacity data as a proxy for development

Projections

- Contact william.tonkiss@london.gov.uk with questions or to return a development template.