

Oral Session 1

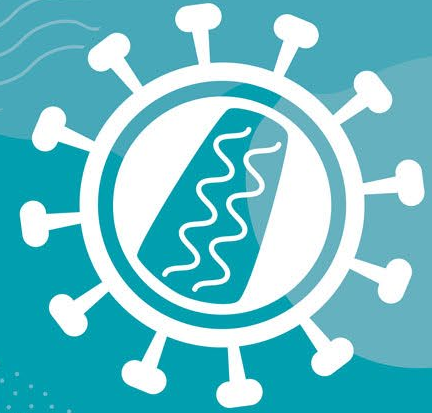
O5 Estimating the number of people living with transmissible HIV in England in 2020

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UK Health Security Agency, UK

This educational event is supported by an unrestricted medical education grants from

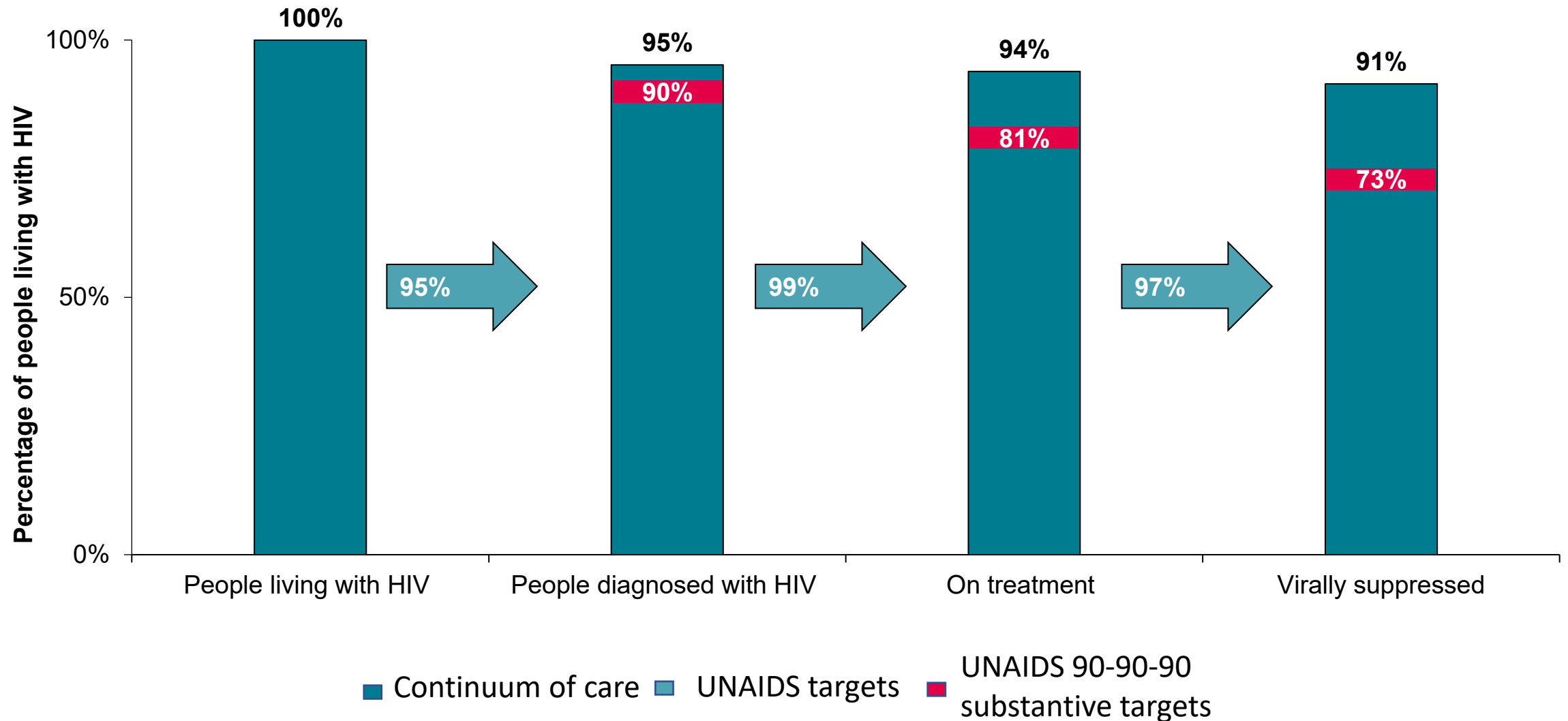




005 -Estimating the number of people living with transmissible HIV in England in 2020

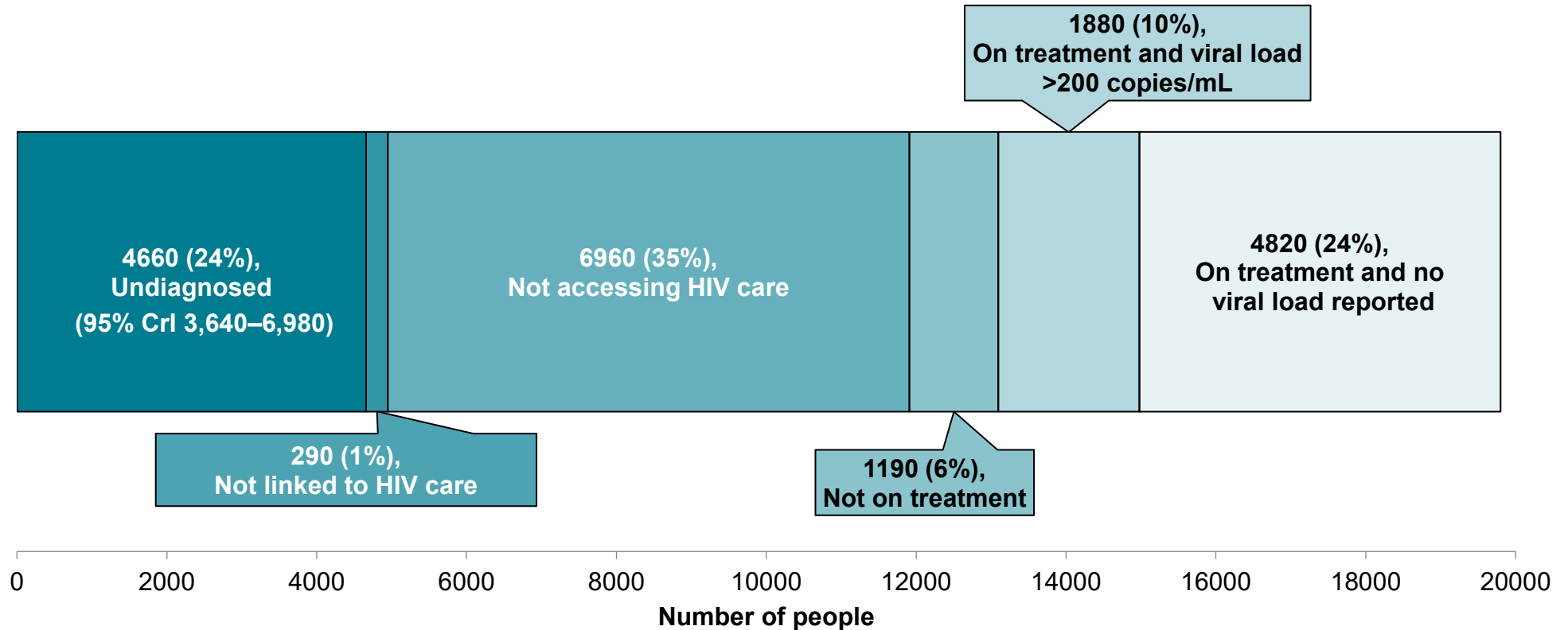
Veronique Martin, UK Health Security Agency (UKHSA)

Continuum of HIV care and UNAIDS targets: England, 2020



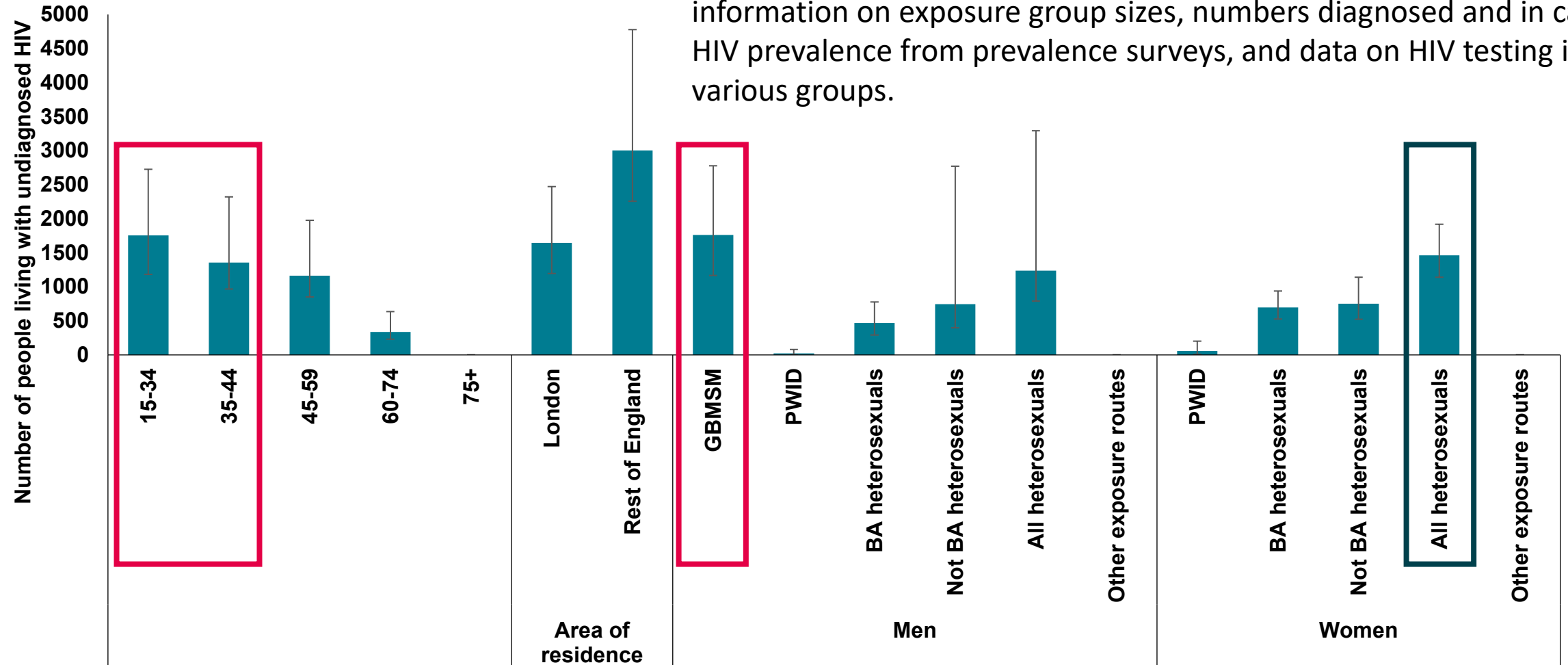
Estimated number of people with transmissible levels of HIV: England, 2020

- An estimated **19,800** people had transmissible levels of virus in 2020, corresponding to **20%** of the estimated 97,740 (95% credible interval [95% CrI] 96,400–100,060) people living with HIV in England.

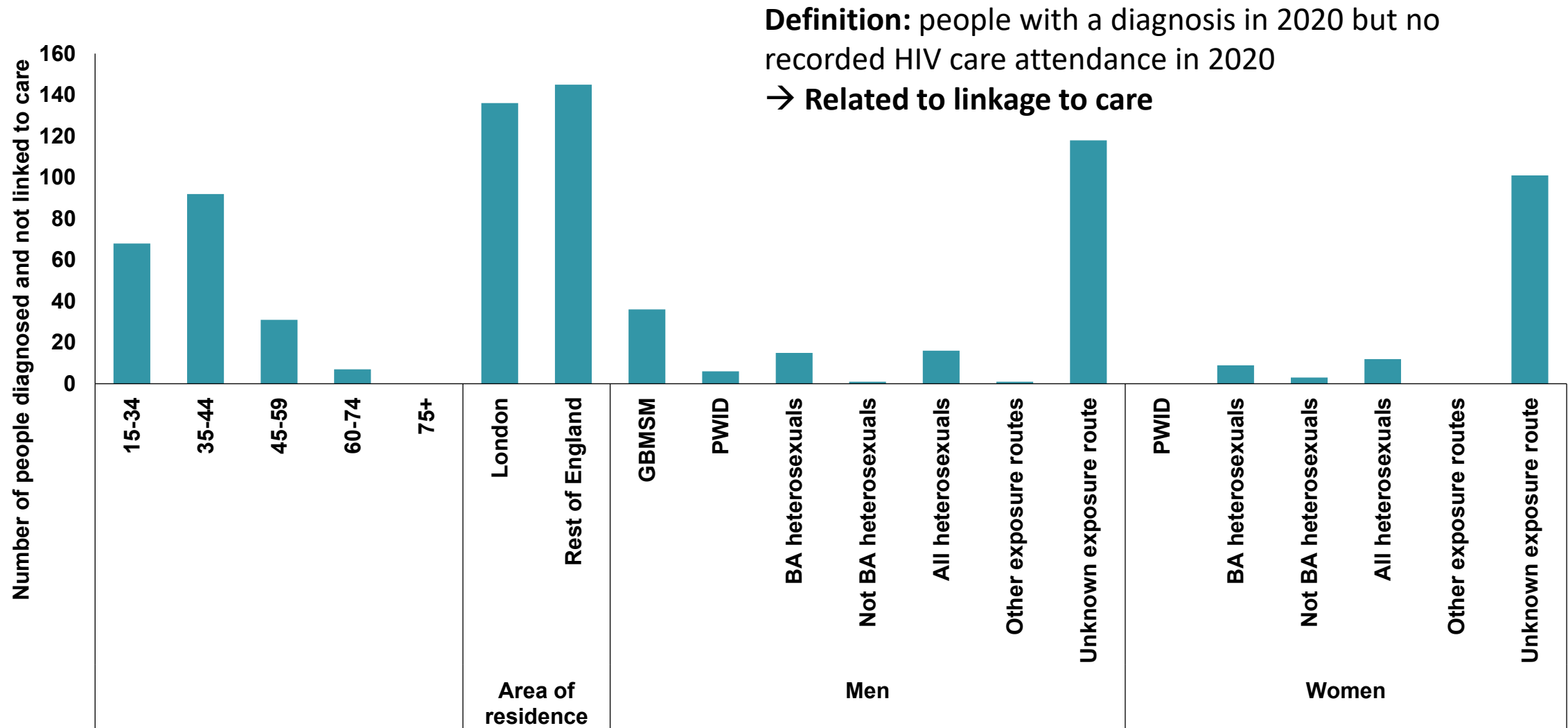


Estimated number of people living with undiagnosed HIV: England, 2020

Definition: undiagnosed numbers were estimated using a Multi-Parameter Evidence Synthesis (MPES) statistical model that triangulates multiple sources of surveillance and survey data, information on exposure group sizes, numbers diagnosed and in care, HIV prevalence from prevalence surveys, and data on HIV testing in various groups.



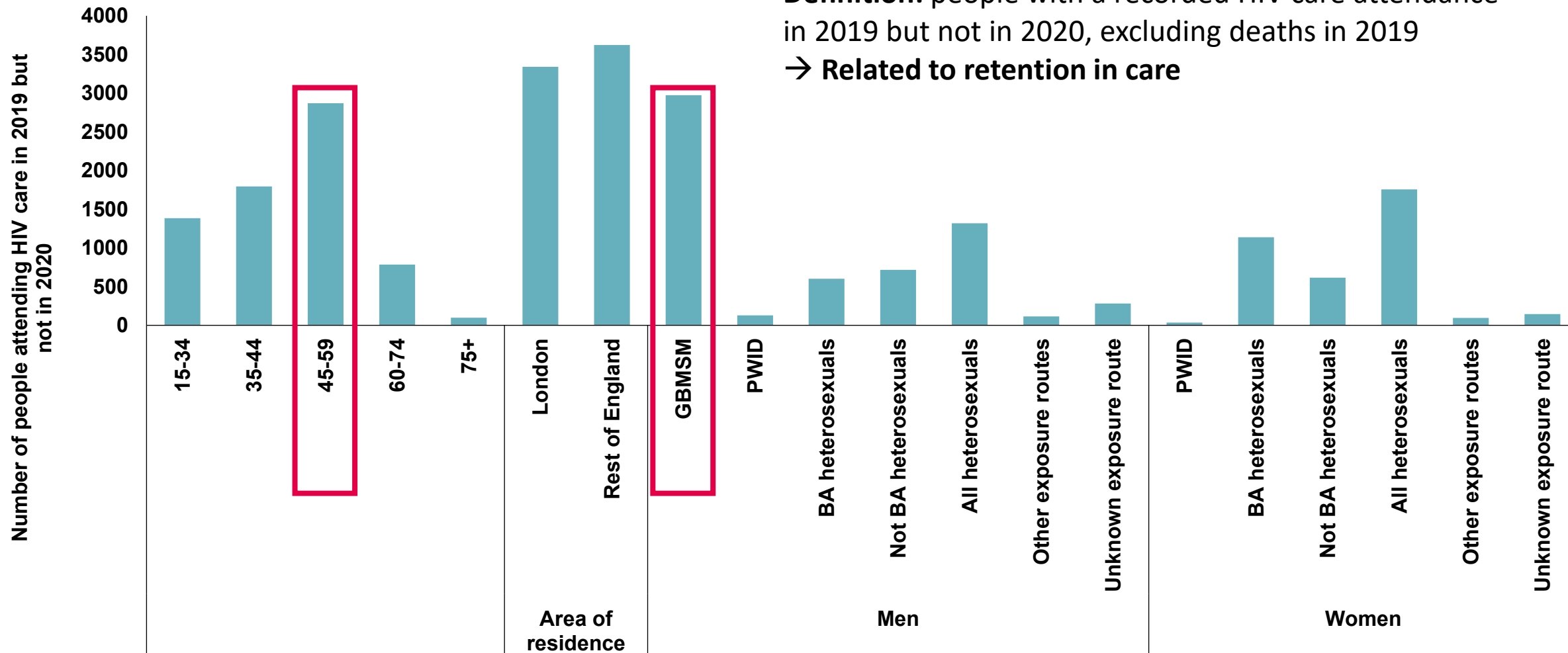
Number of people diagnosed in 2020 who did not attend HIV care by age group: England, 2020



Number of people seen in 2019 not accessing HIV care in 2020: England, 2020

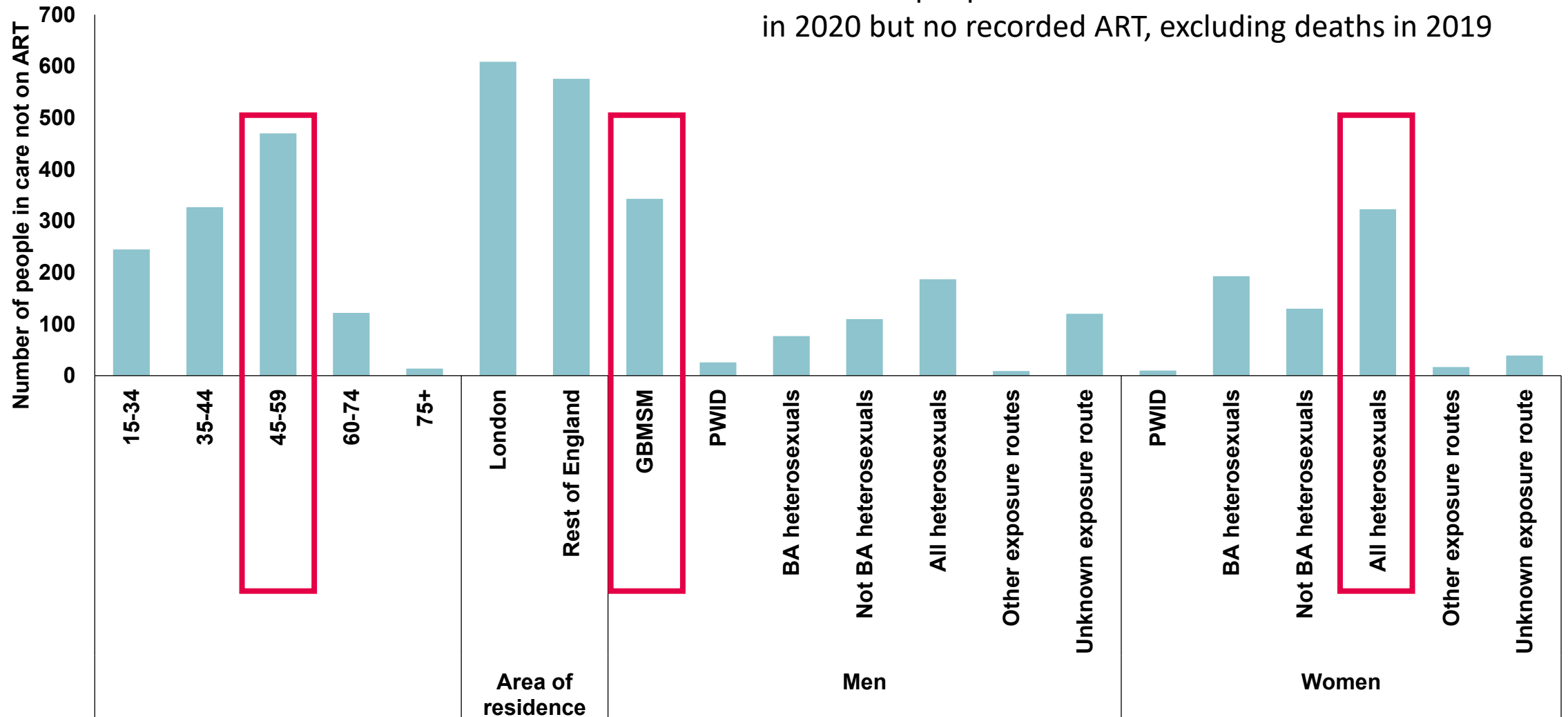
Definition: people with a recorded HIV care attendance in 2019 but not in 2020, excluding deaths in 2019

→ **Related to retention in care**



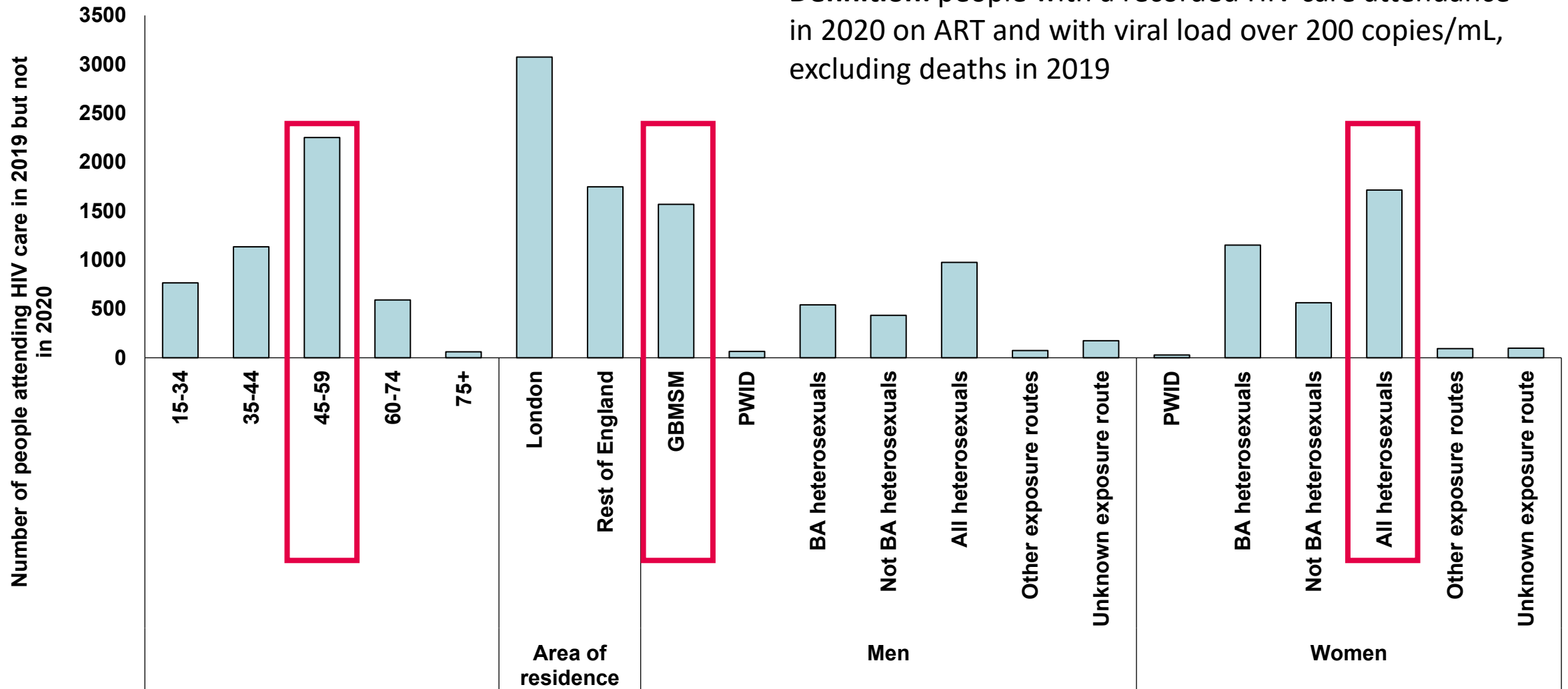
Number of people attending HIV care not on ART: England, 2020

Definition: people with a recorded HIV care attendance in 2020 but no recorded ART, excluding deaths in 2019



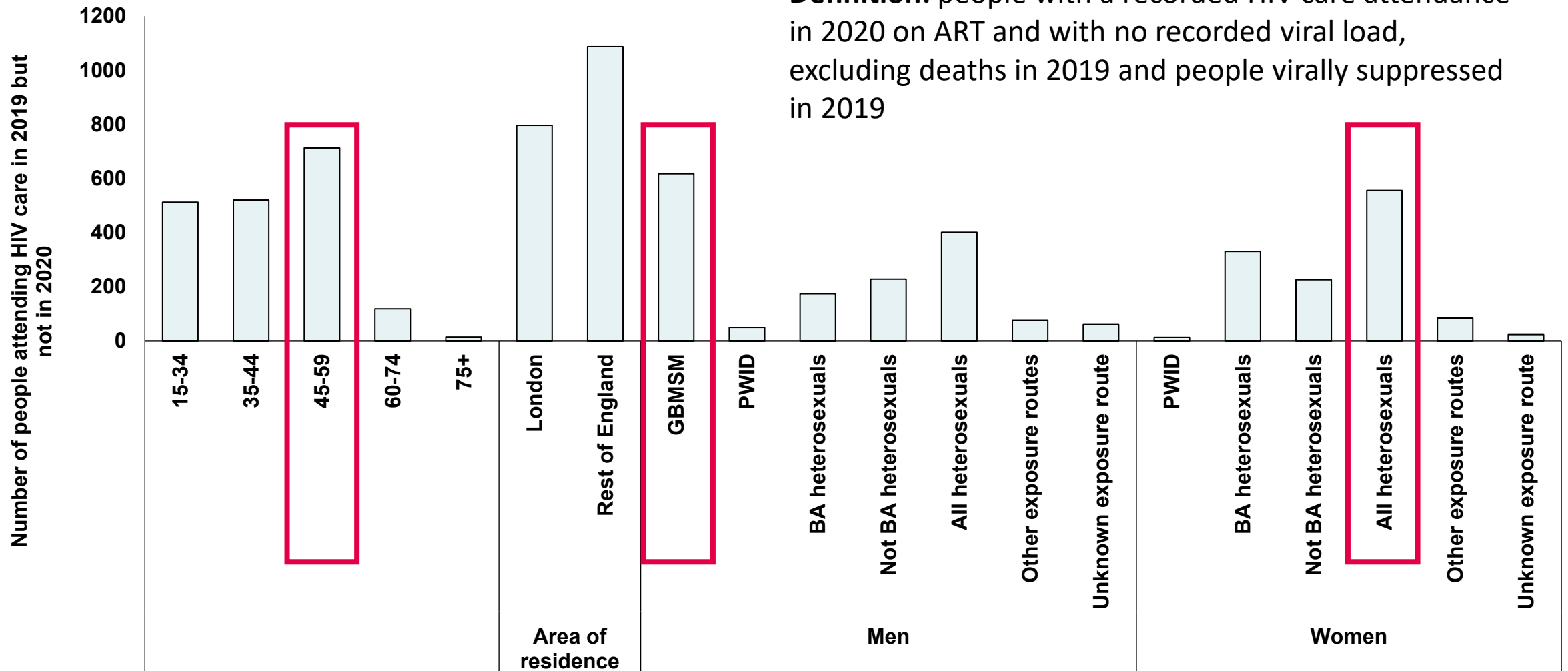
Number of people on ART with transmissible viral load: England, 2020

Definition: people with a recorded HIV care attendance in 2020 on ART and with viral load over 200 copies/mL, excluding deaths in 2019



Number of people on ART with no reported viral load: England, 2020

Definition: people with a recorded HIV care attendance in 2020 on ART and with no recorded viral load, excluding deaths in 2019 and people virally suppressed in 2019



Conclusion

- In 2020, we estimate that 24% of individuals living with transmissible levels of virus were undiagnosed in England.
- The remaining 76% of individuals with transmissible levels of virus were living with diagnosed HIV.
- To end HIV transmission, we must reduce the number of people with transmissible virus through prevention and prompt testing, and also by ensuring those living with diagnosed HIV receive support to remain in care, on treatment, and virally suppressed with a good quality of life.
- Understanding why certain populations are less likely to be diagnosed or engage in care and designing Interventions targeted to those populations will ensure the end of HIV transmission.

Thank you to our wonderful team and colleagues

HIV Team

- Adamma Aghaizu
- Alison Brown
- Amina Addow
- Amber Newbigging-Lister
- Ammi Shah
- Ann Sullivan
- Carole Kelly
- Cuong Chau

Modelling Team

- James Lester
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- Mark McCall
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- Valerie Delpech

- Anne Presanis
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- Ross Harris

UKHSA and NHSE/I colleagues

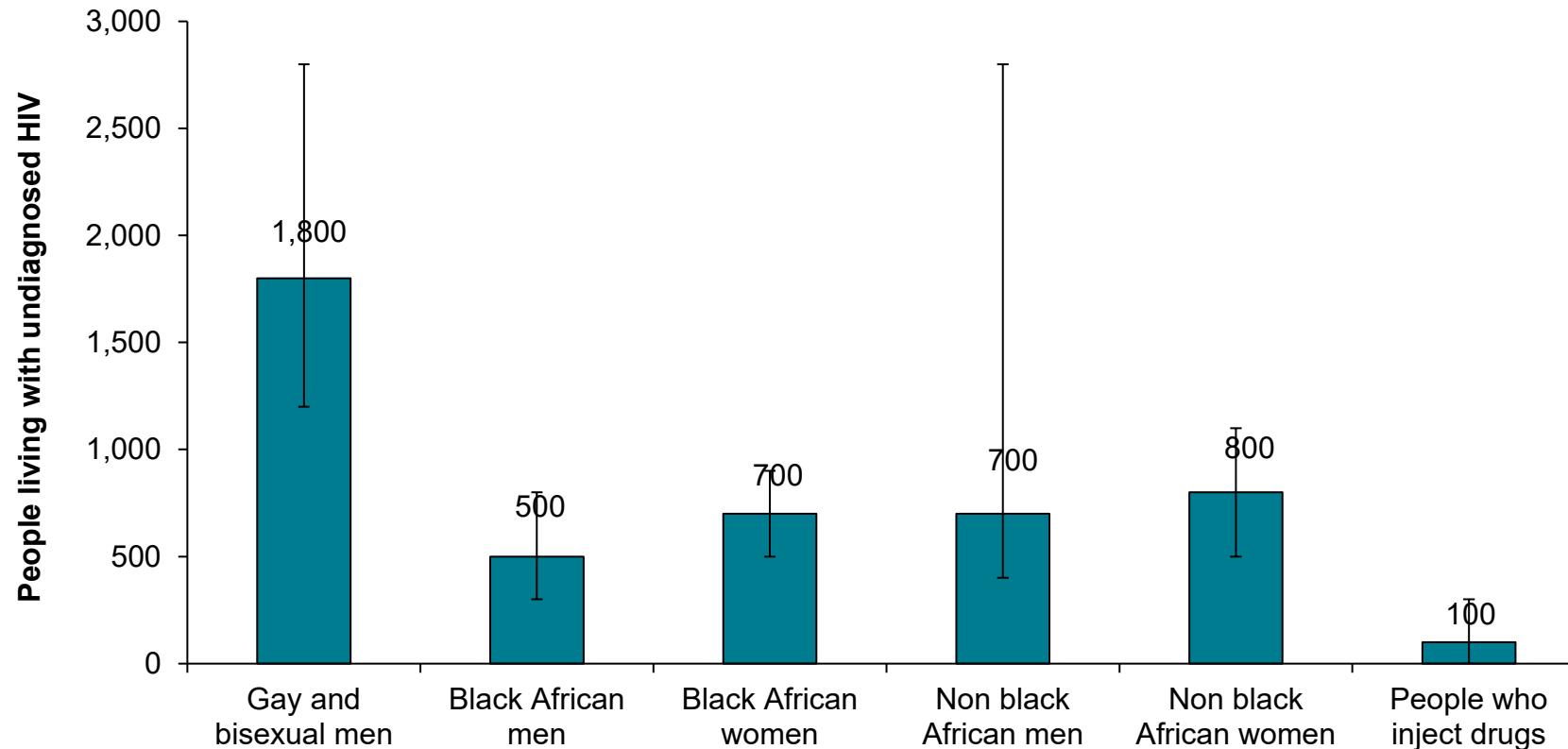
- Debbie Mou
- Gary Murphy
- Hamish Mohammed
- Helen Peters
- Holly Mitchell
- Jennifer Toswill
- John Saunders
- Kate Folkard
- Katy Sinka
- Natasha Ratna
- Ruth Simmons
- Sara Croxford
- Suzy Sun

Thank you to our colleagues at UKHSA, NHS and DHSC, and especially to our reporters!

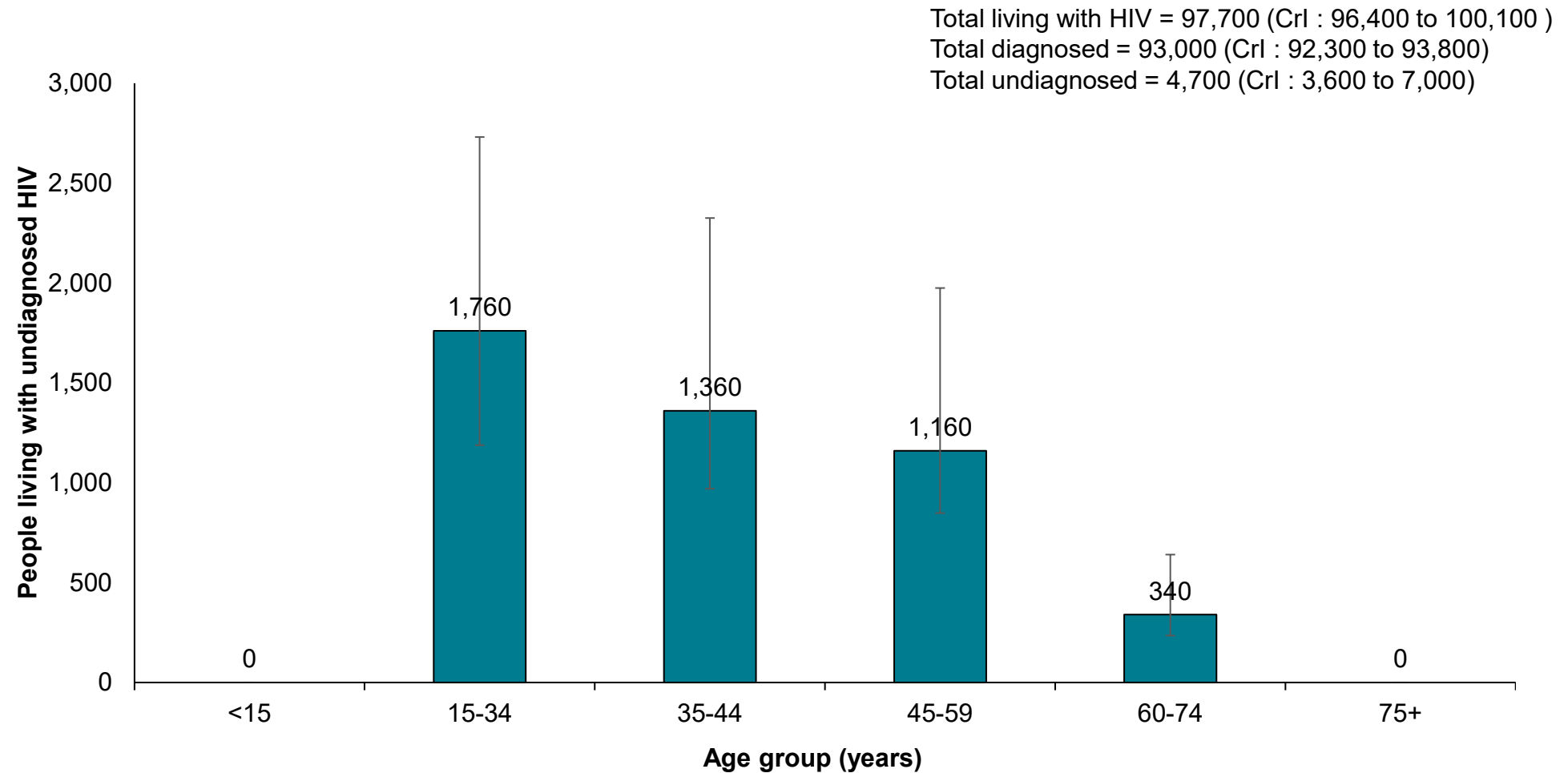
Other slides

Estimated number of people living with undiagnosed HIV by probable route of exposure and ethnicity: England, 2020

Total living with HIV = 97,700 (CrI : 96,400 to 100,100)
Total diagnosed = 93,000 (CrI : 92,300 to 93,800)
Total undiagnosed = 4,700 (CrI : 3,600 to 7,000)

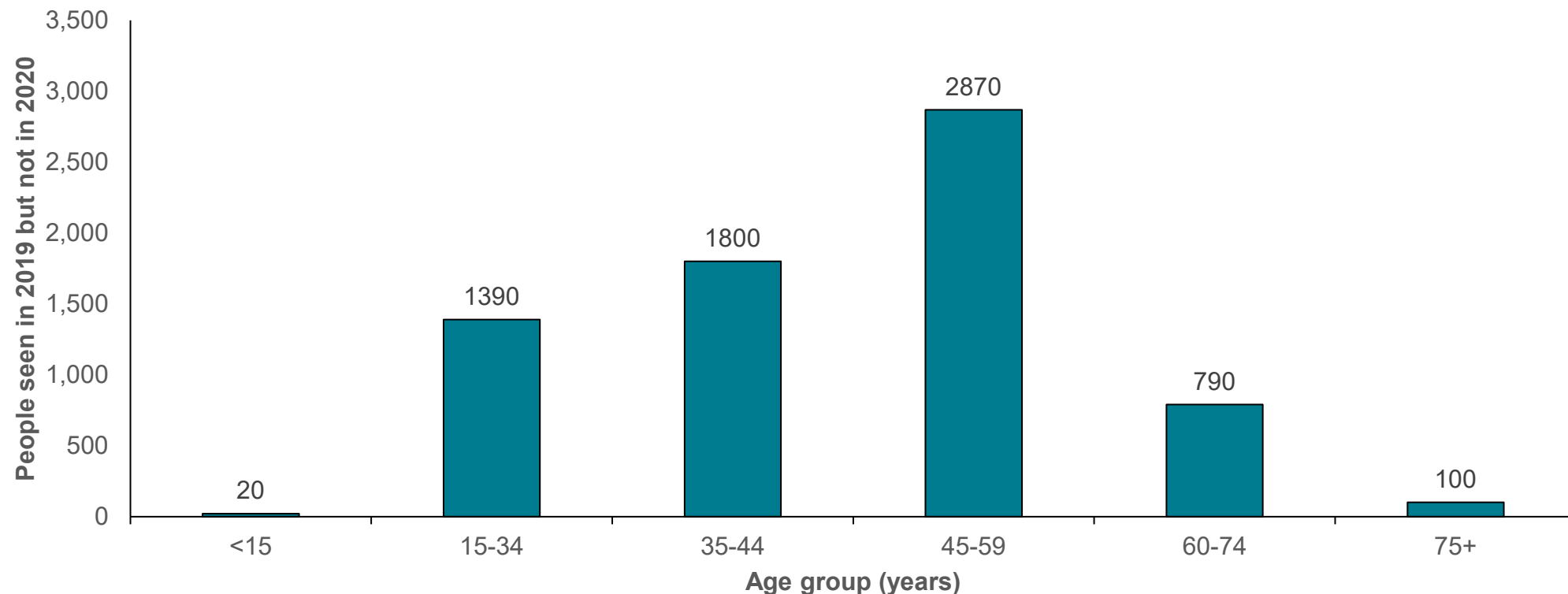


Estimated number of people living with undiagnosed HIV by age group: England, 2020

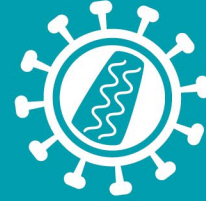


Number of people not accessing HIV care by age group: England, 2020

Definition: people with recorded HIV care in 2019 but not in 2020, excluding deaths in 2019 - Retention in care



BHIVA



British HIV Association

2022 Spring Conference

Wed 20th - Fri 22nd April
Manchester Central, Manchester

