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

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O05 - Estimating the number of people living with transmissible HIV in England in 2020

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Continuum of HIV care and UNAIDS targets: England, 2020

- Percentage of people living with HIV: 100%
- Percentage of people diagnosed with HIV: 95%
- Percentage of people on treatment: 94%
- Percentage of people virally suppressed: 91%

UNAIDS targets (90-90-90)

- Continuum of care
- UNAIDS targets
- UNAIDS 90-90-90 substantive targets
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

**Definition:** people with a diagnosis in 2020 but no recorded HIV care attendance in 2020 → Related to linkage to care
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

<table>
<thead>
<tr>
<th>Area of residence</th>
<th>Men</th>
<th>Women</th>
</tr>
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<tbody>
<tr>
<td>London</td>
<td></td>
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<tr>
<td>Rest of England</td>
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<tr>
<td>GBMSM</td>
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<tr>
<td>PWID</td>
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<td>BA heterosexuals</td>
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<td>Not BA heterosexuals</td>
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<tr>
<td>All heterosexuals</td>
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<tr>
<td>Other exposure route</td>
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<td>Unknown exposure route</td>
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<td>Unknown exposure route</td>
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</tbody>
</table>
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.

![Graph showing the number of people on ART with transmissible viral load by age group, residence area, and exposure route for both men and women.](image)
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

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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

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)
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