An audit of new diagnoses of HIV in a deprived local authority – are we detecting HIV too late? Chevonne van Rhee. Maura Flynn. Valerie Unsworth Public Health Sandwell Metropolitan Borough Council

INTRODUCTION

- People with HIV may live without symptoms for years before progression to late-stage HIV and development of Acquired Immunodeficiency Syndrome (AIDS)
- Early HIV detection is beneficial

Individual Perspective

Improves patient survival¹
Reduced risk of serious illness^{2,3}
Late diagnosis carries increased risk of short-term mortality (death within 1 year of diagnosis) by as much as 10-fold^{4,5}

• People with HIV are at high risk of transmission until diagnosis

AIM

 To ascertain at what stage of disease health services in Sandwell are diagnosing people with HIV from 2019 to 2022.

METHODS

- Sexual health centre databases were searched for patients whose files were coded for 'New HIV Diagnosis' from 1/1/2019 to 26/1/2022
- People with new HIV diagnoses made in Sandwell were identified



Public Health Perspective

Unaware of their illness & may not take steps to change risky sexual behaviours
Will not have started antiretroviral treatment

- Sandwell was ranked the 12th most deprived local authority by the English Indices of Deprivation in 2019⁶
- Sandwell Metropolitan Borough has a higher HIV prevalence compared to regional & national averages⁷
- Stage of diagnosis was categorized as follows:

EARLY	CD4 Count ≥ 350
LATE	CD4 Count <350 and ≥ 200
VERY LATE	CD4 Count < 200 or AIDS Defining Illness

RESULTS

- 39 new HIV diagnoses were identified
- 74% of new HIV diagnoses were late or very late
- The most common setting for new diagnosis was hospital inpatient at 46%, compared to 18% in sexual health clinics and 3% in general practice
- 44% of the people with new HIV diagnoses were born in the UK and 41% were born in an African nation
- The most common transmission route (79%) was sex between men and women



CONCLUSIONS

- The majority of HIV diagnoses were made at late or very late-stage disease and the most common setting for diagnosis was hospital inpatient
- Primary care and sexual health services in Sandwell are failing to detect HIV early and patients are not started on treatment until late-stage disease when morbidity and mortality are higher
- → Sandwell is one of the most deprived boroughs in England, and the findings of this study may be generalisable to other deprived areas within the UK

PUBLIC HEALTH RECOMMENDATIONS

- HIV testing for all people registering in a general practice and for all general medical hospital admissions in areas with high HIV prevalence
- Public education that accesses but is not targeted specifically toward underserved groups, with the aim to promote widespread testing and reduce stigma

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