

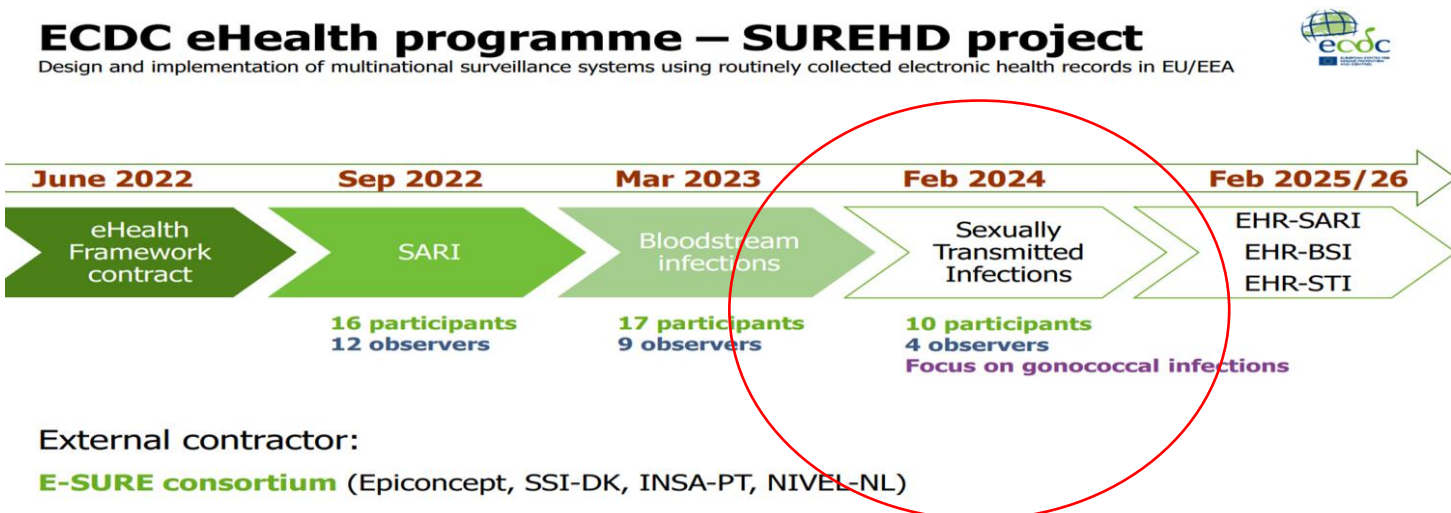
New adventures in Surveillance: Electronic Health Record – Sexually Transmitted Diseases (EHR-STI)

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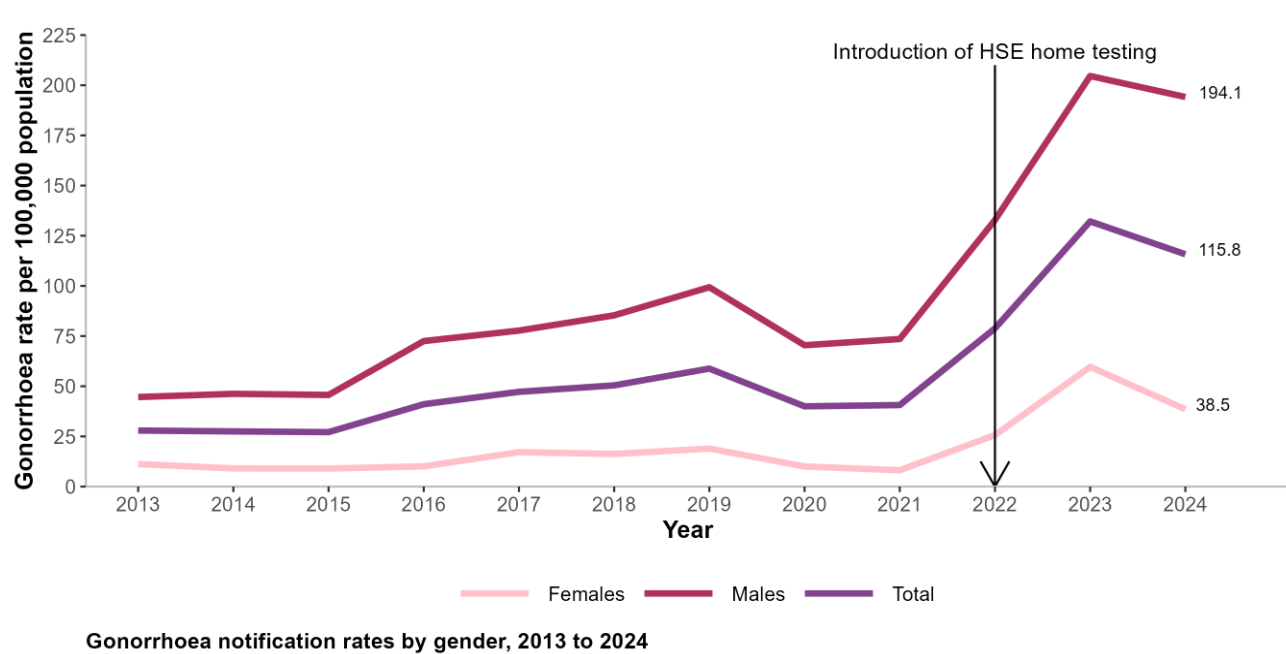
INTRODUCTION

- European Centre for Disease Prevention and Control (ECDC) is assisting countries to develop and/or expand electronic surveillance systems
- The aim of this proof-of-concept is to introduce electronic collection of behavioural and clinical data from STI clinics to Public Health.



GONORRHOEA SURVEILLANCE IN IRELAND –THE NEED FOR ELECTRONIC COLLECTION OF BEHAVIOURAL DATA

- Gonorrhoea surveillance in Ireland is timely and comprehensive but limited in detail
- Enhanced data (mode of transmission, gender identity, country of origin, and HIV status) are collected by clinicians and manually entered to the Computerised Infectious Disease Reporting (CIDR) system
- Total gonorrhoea notification rate decreased by 12% in 2024 compared to 2023 but is 97% higher than 2019.
- Without behavioural data it is difficult to interpret and respond to trends



PROGRESS TO DATE

- Gay Men's Health Service (GMHS) identified as the pilot site
- Multidisciplinary steering group convened
- A dataset agreed including:
 - Demographic data
 - Behavioural data
 - Clinical data
- Workflow identified
- IT solutions developed to extract behavioural and clinical data, and combine with laboratory data
- IT solutions deployed to GMHS
- Secure system for data transfer Identified
- Data collection to commence Q2 2025
- Reporting in Q3 2025

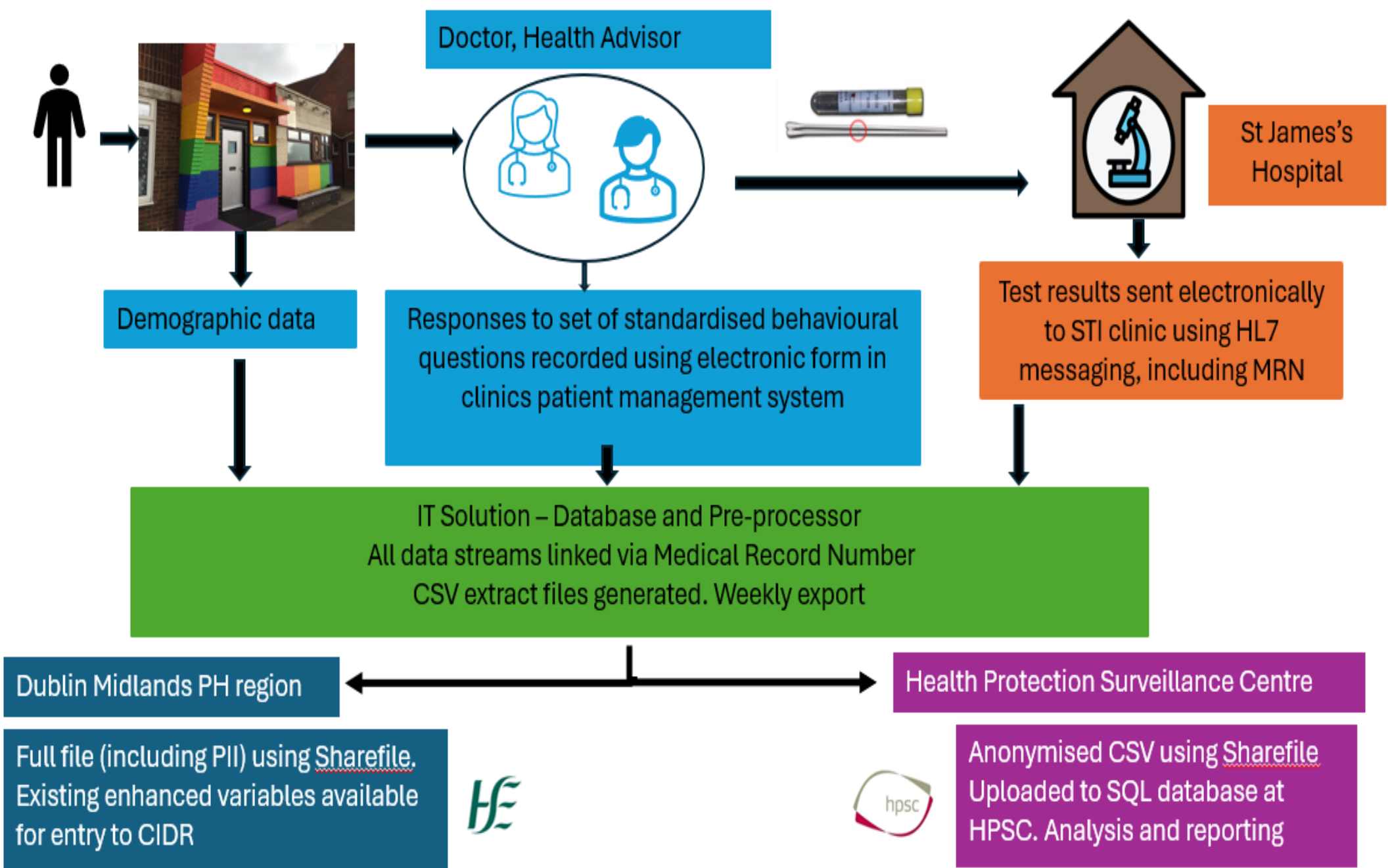
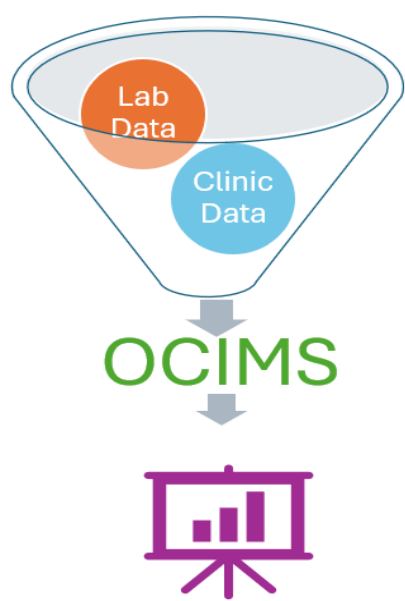


Figure 1 Workflow diagram

FUTURE PLANS

- This proof-of-concept project will inform the development and implementation of the new Outbreak, Case and Incident Management and Surveillance System (OCIMS).
 - The dataset identified for EHR-STI project forms the basis of enhanced STI surveillance for OCIMS.
 - Behavioural and clinical data from STI clinics will be uploaded to OCIMS and merged with laboratory data
 - Data collected will be analysed and incorporated into national surveillance



CONCLUSION

- The project future proofs, digitalises and strengthens our national surveillance systems, while working with European partners to deliver timely high quality surveillance data to inform
 - Health service planning
 - National public health policy
 - Public awareness
 - European and Global Public Health Policy



ACKNOWLEDGEMENTS

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