

The Royal College of
Emergency Medicine

Routine HIV Testing in an Inner City Emergency Department

Dr Laura Hunter

Dr C Lojo Rial

Dr Nick Larbalestier

Joel Paperello

Guy's & St Thomas' NHS Foundation Trust

Why?

NICE National Institute for
Health and Care Excellence



The Royal College of
Emergency Medicine

- > 2/1000 prevalence
- 25% patients unaware of diagnosis
- Reduce transmission
- Avoid late diagnosis

Who?

- All patients > 16 years requiring venepuncture in ED

Excluded:

- Patients tested at GSTT in last 12 months unless “high risk”

How?

- Funding
- Staff education
- Blood order sets
- Publicity
- Regular feedback
- Bi-monthly meetings

Order Set Summary						
Order Set: <input type="text" value="AE"/>						
Order Items						
Order	Sequence	Seq No	Start Date	Start Time	Stop Date	Stop Time
<input checked="" type="checkbox"/> HIV antigen/antibody	<input type="checkbox"/>					Routine
£4.27 Requestor's responsibility to obtain Patient's consent. Price Per Test: £4.27						
<input checked="" type="checkbox"/> FBC & Diff	<input type="checkbox"/>					Routine
£3.54 The need for Blood Film will be determined by the lab staff on the basis of the FBC and clinical condition of the patient. In special circumstances please contact the lab. Price per Test: £3.54						
<input checked="" type="checkbox"/> Renal Profile (Chemical Pathology)	<input type="checkbox"/>					Routine
£2.21 Includes Na, K, Creatinine & eGFR. Urea is NOT INCLUDED: Indications for separate ordering of urea: pre-renal failure, hyper-catabolism, gastrointestinal bleed, monitoring of dialysis.						

London Evening Standard

Publicity



Routine HIV testing

If you require a blood test whilst in our Emergency Department (A&E) we now include an HIV test with your routine bloods.

We believe this is the safest approach as many people don't realise they have been at risk of HIV infection.

Detailed information is available in our patient information leaflet.

If you do not want to know your HIV status, speak to one of the team caring for you.



Dr Christian backs HIV testing



Mayor of Lambeth Donatus Anyanwu with Dr Christian Jessen, Dr Laura Hunter and nurse Joel Paparelo

TV doctor Christian Jessen performed an HIV test on the Mayor of Lambeth at St Thomas' to raise awareness of the importance of being tested.

Lambeth has one of the highest rates of HIV in the UK. Approximately 10 out of every 1,000 people living in the borough have the condition, more than three times the national average.

Dr Christian, who presents Channel 4 programmes such as *Embarrassing Bodies*, and Councillor Donatus Anyanwu, the Mayor of Lambeth, came to St Thomas' Emergency Department (A&E), where a pioneering new approach to HIV screening

is used. All patients having a blood test in the department are also screened for HIV.

Dr Christian says: "Testing for HIV is crucial for prevention. If you get tested and receive a positive diagnosis, you can now immediately go on to receive treatment.

"This is why proactive approaches to HIV testing like the one used in St Thomas' A&E are beneficial both for individual patients and wider public health."

Dr Laura Hunter, consultant in emergency medicine at Guy's and St Thomas', says: "Our new approach to testing is boosting HIV detection rates and saving lives."

showing we

Guy's and St Thomas' NHS Foundation Trust

Routine HIV testing at Guy's and St Thomas'

This leaflet provides information on having a routine HIV test in the Emergency Department (A&E). An HIV test is now included if you require a blood test during your visit.

This leaflet provides information on having a routine HIV test in the Emergency Department (A&E). An HIV test is now included if you require a blood test during your visit.



This leaflet provides information on having a routine HIV test in the Emergency Department (A&E). An HIV test is now included if you require a blood test during your visit.



Guy's and St Thomas' NHS Foundation Trust

“Any patient who has a blood test in this department also has an HIV test- is that ok?”

Follow up

- Negative: “no news is good news”
- Positive  Recall  Re-test
- HIV team

Results

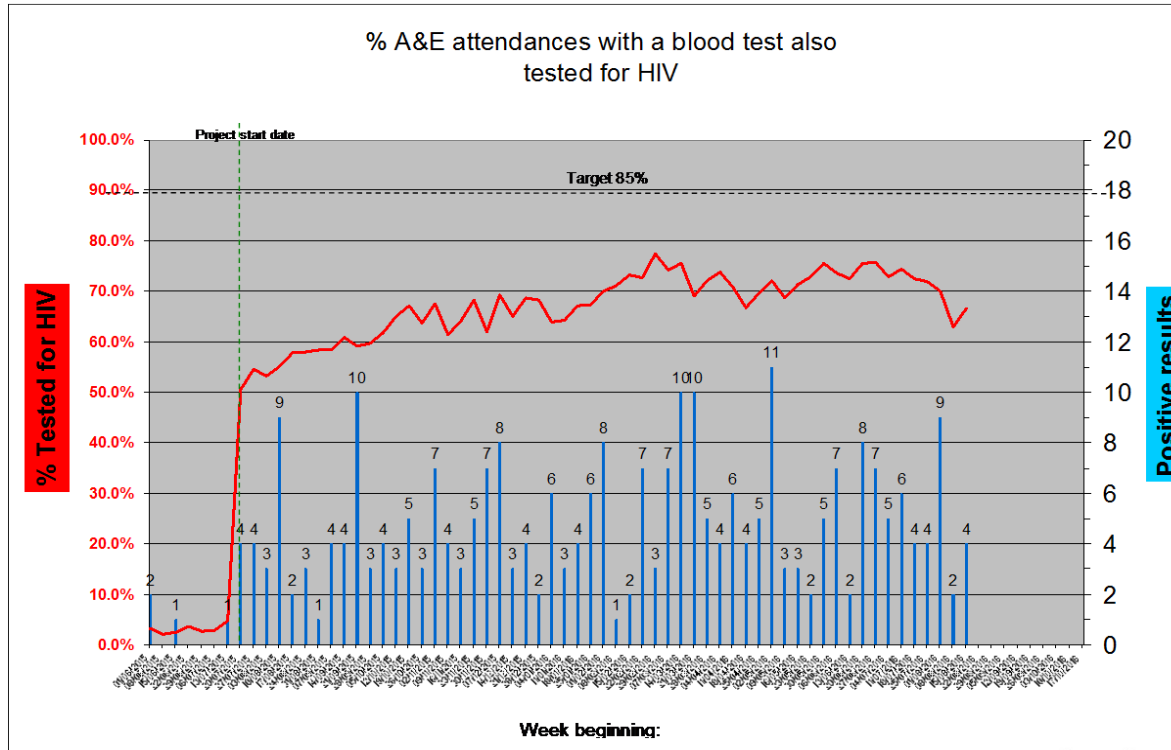
- 19, 569/ 30,461 (64%) patients tested
- Prevalence 0.9% (n=172)
- 0.3% unaware of diagnosis
- 7.5% aware but LTFU

Demographics

- Median age 36 (18-61 years)
- Male 84%
- Caucasian – 59% (BME- 37%, Asian 4%)
- MSM 50%

- 1/5th seroconverting
- Previous ED attendance 54%
- Reduced in-patient admission 15%

Sustained testing rates >70%



Conclusion

- Opportunistic testing in ED's with high local prevalence
- Sustain testing rates- feedback/ order sets
- New diagnosis & re-engagement in care

References

- N.I.C.E Guideline HIV in the United Kingdom:2014 Report
- RCEM Position Statement 2012. HIV testing in the Emergency Department

Contact: laura.hunter@gstt.nhs.uk