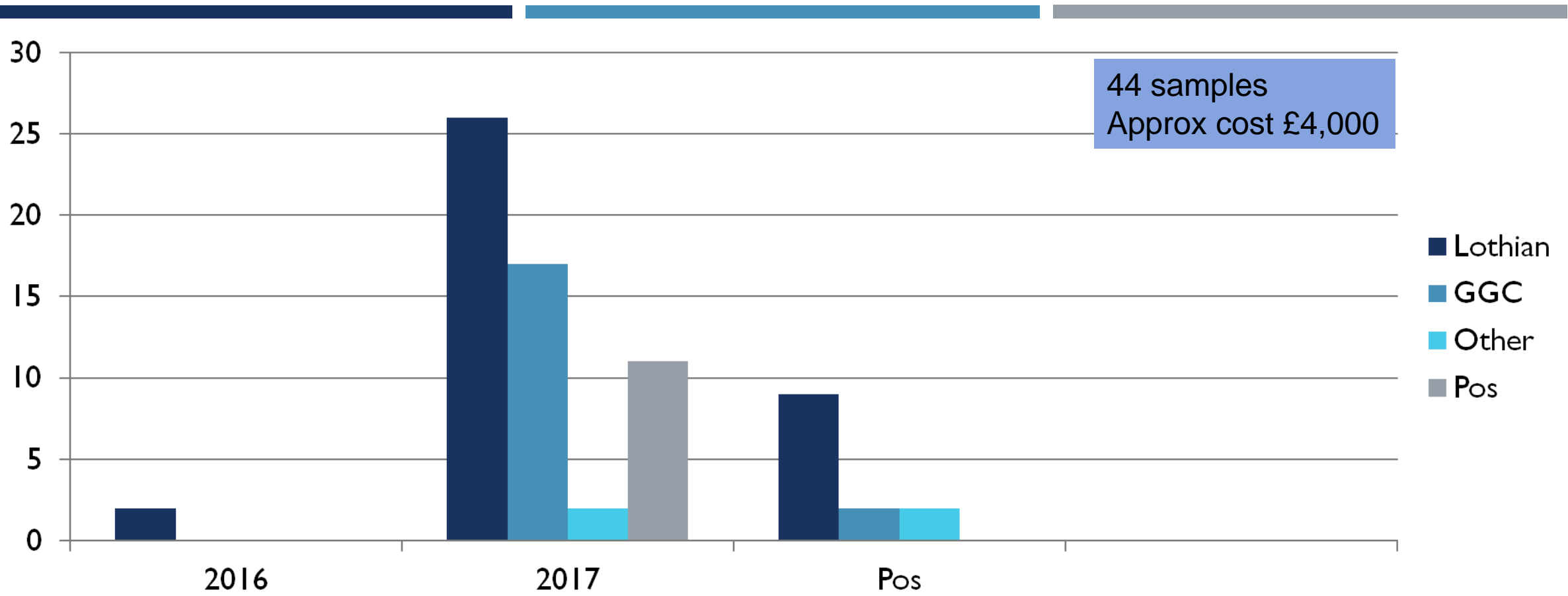


MYCOPLASMA GENITALIUM IN SCOTLAND

KATE TEMPLETON

ROYAL INFIRMARY EDINBURGH

DIRECTOR SCOTTISH STI REFERENCE LAB



SAMPLES TESTED BY PHE COLINDALE

STUDY



**To determine the frequency of *Mycoplasma genitalium* presence
and its resistance to macrolides
within the NHS Lothian and NHS GGC sexual health services**

STUDY DESIGN



- Anonymised residual swab elute samples from women and urine samples from men attending sexual & reproductive health clinics within the Glasgow and Lothian Health Board that have been identified as high-risk for *Mycoplasma genitalium*

Inclusion criteria:

- 1) Males with urethritis
- 2) Females (Lothian only) who are:
 - a) Aged <25 years
 - b) Diagnosed with presumed cervicitis, endometritis or pelvic inflammatory disease

Exclusion criteria:

- 1) Genital chlamydia/gonorrhoea test not requested
- 2) Inadequate sample

METHOD



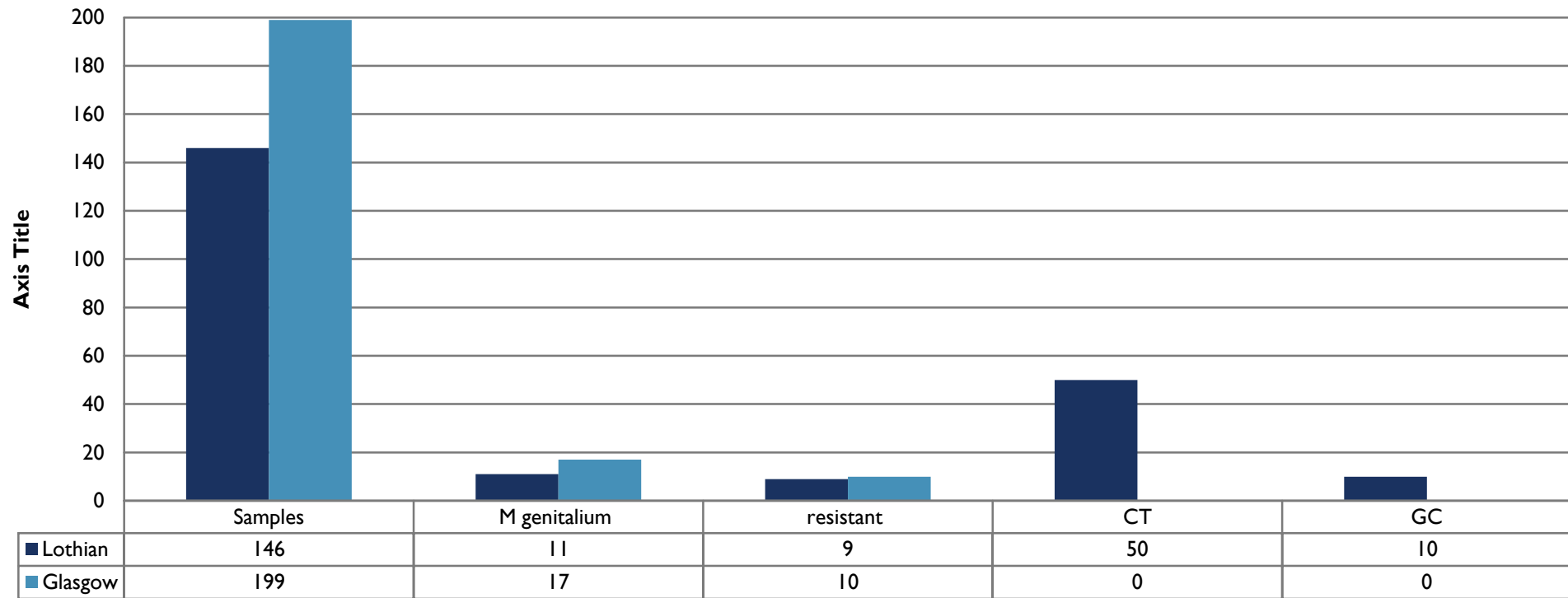
1. Samples collected and anonymised (Feb 17- Nov17)

2. Automated extraction of nucleic acids from clinical specimen

3. Real-time PCR



RESULTS



57-80% resistance



AIM TO START TESTING WITHIN SCOTLAND

HOW TO COST NEW SERVICE



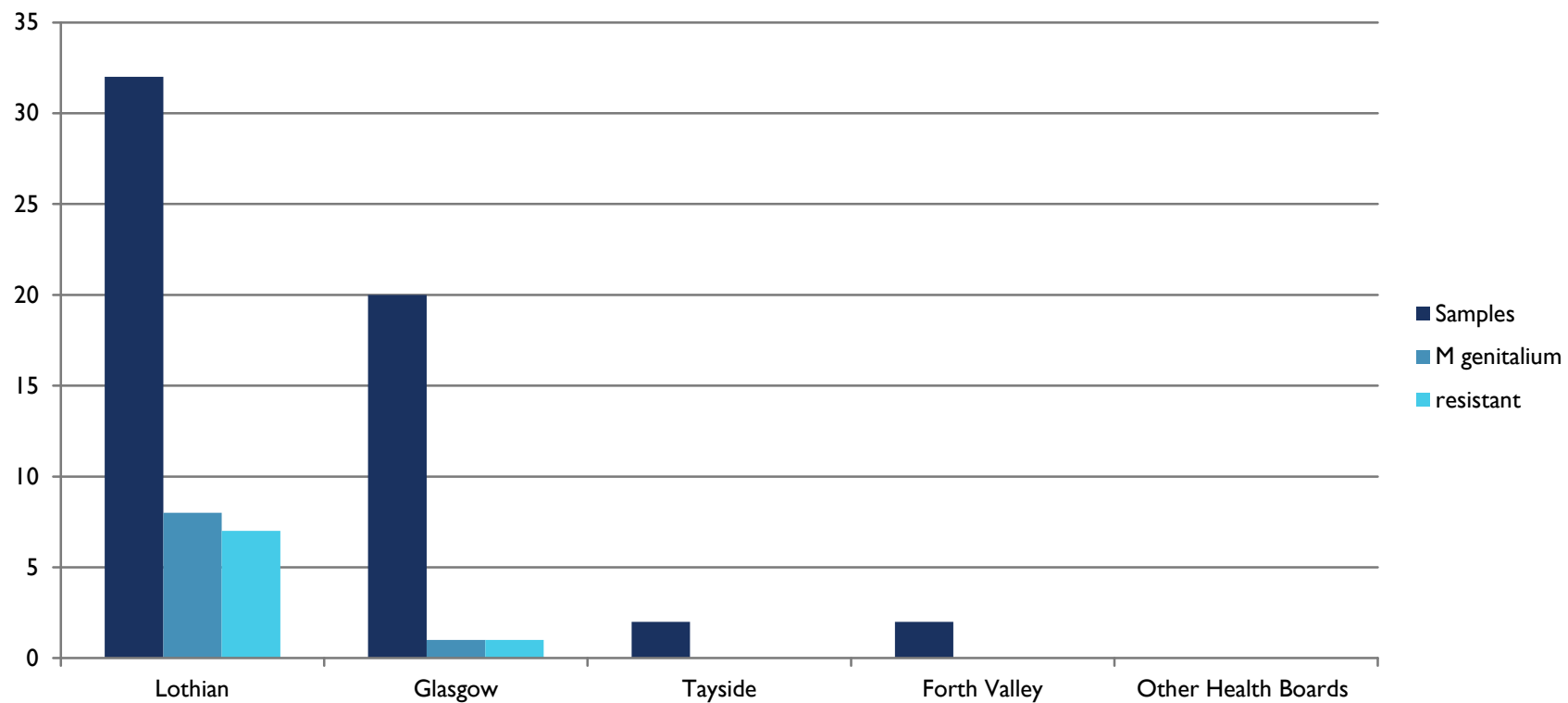
PLAN AND GO LIVE

- Went live in Jan 2018.
- Assessed as part of UKAS visit
- Charge £40/test – done by NHS Lothian not part of SBSTIRL.
- Testing is currently limited to 400 samples /per anum in Lothian
- Other health boards will follow in due course. (we hope)
- SBSTIRL (NSS funded) validating Resistance testing.
- Request that all M.gen positive cases are sent to SBSTIRL for resistance determination
- If samples sent to PHE local board who have to pay rather than NSS

WHO TO TEST - NO GUIDELINES AS YET

- **Men**
 - Recurrent or persistent NGU (whether Chlamydia positive or negative)
 - Recurrent or persistent epididymoorchitis
 - Contacts of patients treated for *mycoplasma genitalium*
- **Women:**
 - PID with symptoms persisting after 2 weeks of treatment
 - Contacts of patients treated for *mycoplasma genitalium*

SINCE GO LIVE – 8 JAN 2018



56 samples
9 positive (16%)
8 resistance (90%)

Cost to lab £1,500

Saving of £4,000

NEXT STEPS



Scottish Health Protection Network (SHPN)

(V02, 27th January 2017)

SHPN- < Resistant sexually transmitted infections Group **> DRAFT**

Terms of Reference

- 1. Title:**
SHPN- < Resistant sexually transmitted infections Group > (SHPN-RSTIG)
- 2. Accountable to:**
SHPN-SHBBV Executive leads Network

Reporting to SHPN- SHBBV Executive leads Network will be through updates provided by the Chair at Executive Lead Network meetings and production of an annual report.

ACKNOWLEDGEMENT



Microbiology labs -RIE Virology labs -WOSSVC

- Rebecca Dewar
 - Ewan Olson
 - Jill Shepherd
 - Lynne Renwick
 - Diane Ghahouo
 - Lauren Reid
- Rory Gunson
 - Amanda Stewart

GUM department

- Dan Clutterbuck
- Nori Achyuta
- Carlos Oroz
- Jackie Paterson
- Imali Fernando