Weqas
Unit 6, Parc Tŷ Glas
Llanishen, Cardiff, CF14 5DU

Tel: 02920 314750
Email: contact@weqas.com

EXTERNAL QUALITY ASSESSMENT

INTERNAL QUALITY CONTROL

REFERENCE MEASUREMENT SERVICES

EDUCATION & TRAINING

Weqas | GLOBAL PROVIDER OF QUALITY IN DIAGNOSTIC MEDICINE

Weqas Connectivity

Sam Jones

EQA Challenges – the patient test workflow

- How do we assess the full patient testing pathway ?
- How can we mimic the laboratory and POCT test workflow with greater use of automation?
- How can we assess the integrity of the data?

POCT test workflow

- Test requested by clinician
- User bar code scanned – details checked in POCT middleware
- Patient ID scanned - details checked in POCT middleware
- Sample taken (cap/ven)

Pre-analytical
Outside lab

Analytical

- Sample Analysed
- Quality control checks

- Results available immediately
- Auto Validation
- Connectivity to LIMS
- e-Reporting

Post analytical

EQA workflow

- EQA Sample labelled (may not have unique bar code)
- Sample and instructions shipped to laboratory

Pre-analytical
Outside lab – EQA provider

Pre-analytical
Inside lab

EQA details manually entered in POCT middleware
EQA barcode generated
EQA Sample and instructions transported to POCT site

- User bar code scanned
- EQA sample ID scanned

Pre-analytical
Outside lab

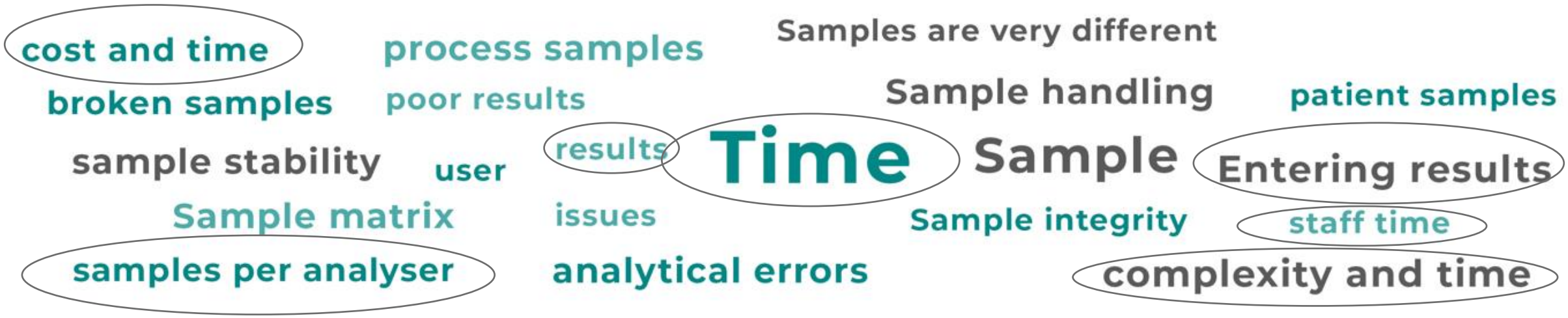
Analytical

- Sample Analysed
- Quality Control checks

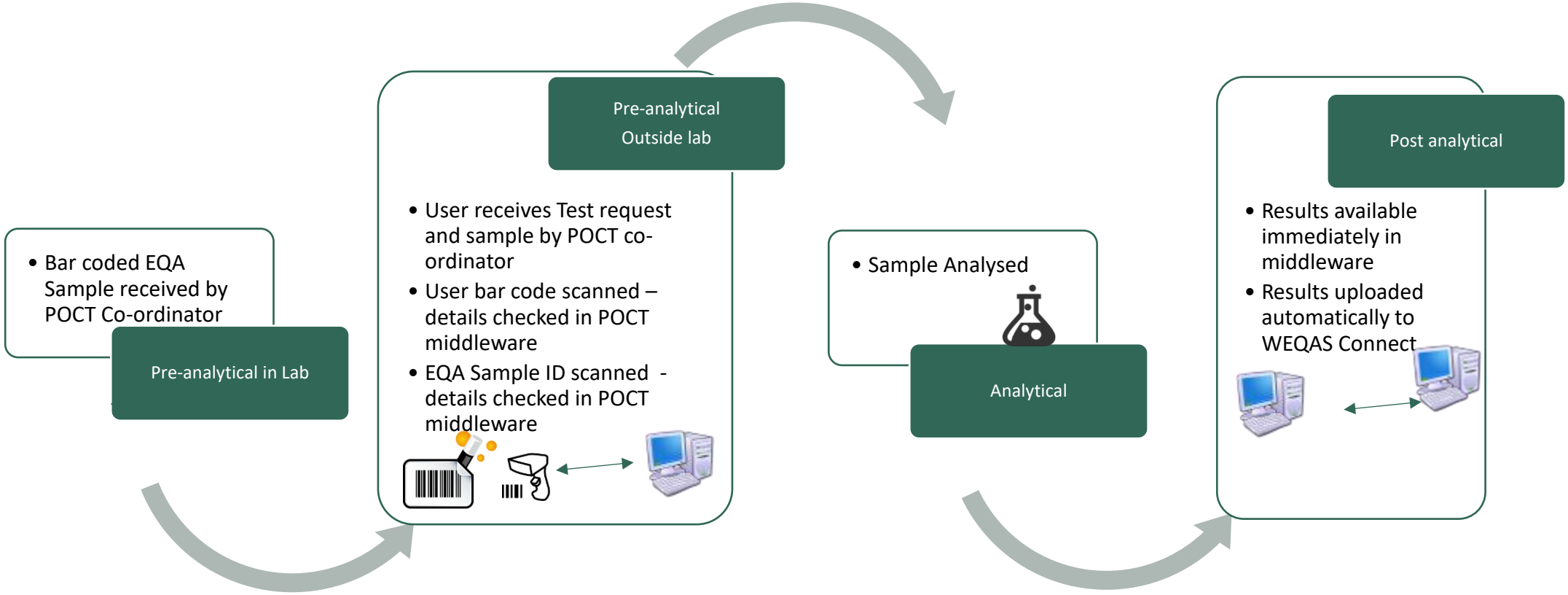
- Results released (may include Interpretation)
- Results transcribed onto EQA return form and/or
- Entered into EQA portal

Post analytical

EQA Challenges for POCT teams



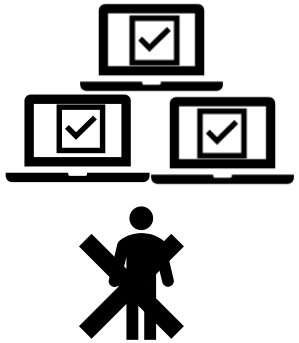
POCT EQA test workflow- WeqasConnect



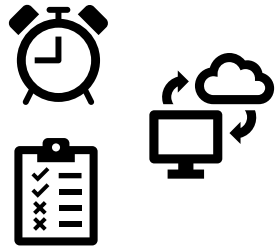
Weqas

Benefits

- Standardised information format
- Better quality data
- Zero human errors



- Faster EQA turnaround times
- Immediate transfer of results
- No need to check results



- EQA return rate improved
- Increased staff satisfaction

X-labs (formerly NPEx) – LIMS / Weqas Connect

- Pilot began July 2025
- Ammonia was the first programme within the trial
- 10 sites were offered free enrolment to Labgnostics EQA during pilot
- Successful data transfer over the 5 months to date
- Phase 2 will see more programmes included, and additional data uploaded from LIMS to Weqas Connect.

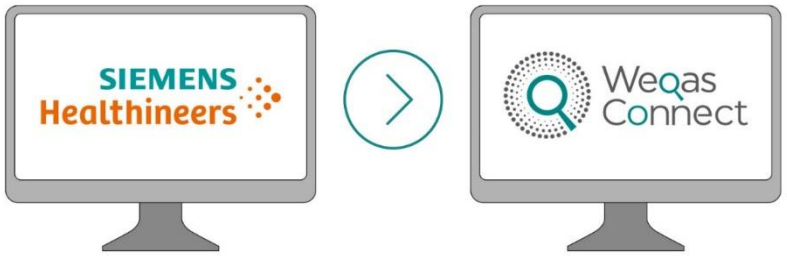
Middleware / Weqas Connect

Active engagement with the following providers for POCT programmes:

- Abbott – presenting progress today
- Siemens
- Radiometer
- Nova Biomedical
- Roche

Siemens update

- API specification developed
- Agreed minimum required fields
- Technical capability to transfer 10 data fields depending on user set up within Atellica Connect.
- In final acceptance phase before user tests.



analyteIdentifier string required
Analyte identifier string

instrumentSerialNumber string required
Full serial number of the instrument to report for

sampleCode string required
Sample code in the format {distribution code}{sample number}, e.g. GK012501

value string required
Result value

analyteComment string | null
Comment for the analyte as a whole

instrumentModel string | null
Model of the instrument, required for implicit creation of a new instrument if it does not exist

kitName string | null
Name of the reagent cartridge or kit, if applicable

lotNumber string | null
Lot number of reagent cartridge or kit, if applicable

resultComment string | null
Comment for this result on this sample only

unit string | null
Analyte unit, e.g. mg/ml, nM, ppm, etc. If not specified, the standard unit for the analyte will be used

Any
Questions?