

UK NEQAS Pre-transfusion scheme update

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Synopsis

- ▶ It's all about satisfaction



Background

- ▶ 2016 Pre-Transfusion Testing Questionnaire
 - Would you like a formal customer satisfaction questionnaire?
 - Yes 126
 - No 121
- ▶ 2017 Participant Satisfaction Survey sent out with exercise 17R5

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2017 Participant satisfaction questionnaire

- ▶ 30 questions; distributed to 722 participants
- ▶ 316 responses (178 UK or ROI)
- ▶ Of the UK and ROI respondents
 - 89 District General Hospital
 - 40 Teaching Hospital
 - 27 Private hospital or clinic
 - 12 Blood Centres providing red cell reference services
 - 10 Other

Overall

- ▶ Please rate the overall service provided by UKNEQAS (BTLP) out of ten (1 = poor 10 = excellent)

	0	1	2	3	4	5	6	7	8	9	10	Total
Rating	0% 0	0% 0	0% 0	0% 0	0% 0	1.0% 3	4.0% 12	7.8% 23	34.7% 103	36.7% 109	15.8% 47	297

- ▶ Median response 9



Comments

- ▶ 264 comments to analyse
- ▶ Including
 - Wishing Clare M a happy retirement
 - NEQAS staff are always really friendly, helpful and approachable
 - The deputy lead for the scheme was very helpful... (presumably from pre February 2017)



Exercise instruction comments

- ▶ Layout confusing
- ▶ Deselection rules clearer
- ▶ Testing information more prominent
- ▶ Don't want patient phenotypes
- ▶ Provide donor phenotypes
- ▶ Each patient details to be given separately on request sheet and include a patient history
- ▶ Plan for a complete review of the instructions given to be done in 2018



Current data collection

- ▶ Free text section instead of UI paperwork ✓
- ▶ Print result summary before submission ✓
- ▶ Prefer numerical scores for reaction grades ✓
- ▶ Crossmatch questions clearer + confusion over would you transfuse question ✓

The screenshot shows a web-based interface for blood transfusion laboratory practice. The top navigation bar includes the UK NEQAS logo and various menu options. The main content area is divided into several sections:

- Patient 1 - ABO System:** Includes fields for reaction grades (e.g., anti-A, anti-B, anti-D) and interpretation options (Yes/No).
- Patient 1 - Direct Antiglobulin Test (DAT):** Includes a section for DAT with polyspecific anti-IgG and radio buttons for Yes/No.
- Patient 1 - Antibody Screening:** Includes a section for reaction grades and antibody screening interpretation with radio buttons for Yes/No.
- Patient 1 - Antibody Identification:** Includes a table for antibody identification with columns for 'Antibody specificities positively identified', 'Positively identified', and 'Specificities that cannot be accounted for'. It features numerical scales for reaction grades.
- Additional Information:** Includes a section for 'Number of antigen units used' and 'Repeat the test?' with radio buttons for Yes/No.
- Patient 1 - Crossmatching:** Divided into three columns (Screen 1, Screen 2, Screen 3). Each screen has 'Serological crossmatch reactions' and 'Interpretation' fields. The 'Interpretation' fields have radio buttons for 'Yes', 'No', 'Compatible', and 'Incompatible?'. The 'Serological crossmatch reactions' fields have dropdown menus for 'A', 'B', 'AB', and 'O'. Below each screen is a question: 'If incompatible, would you transfuse?' with radio buttons for 'Yes' and 'No'.

Data collection suggestions

- ▶ No entering of techniques multiple times
 - Currently retains details entered against new sample
- ▶ Smaller entry pages with less to enter on each
 - Not currently possible
- ▶ Different background colour
 - Subjective as to what colour is preferred
- ▶ Questionnaire to be provided as a pdf to see before entering + ability to print once completed
 - Looking into this as a possibility, but may be confusing for questions where there is logic associated with them

Reporting suggestions

- ▶ Comparison between technologies BTLP in exercise and annual reports
 - Already reported when relevant and where data has been verified with participants
- ▶ Give advice on how to correct poor performance and highlighting where centres are not following guidelines
 - Already highlight learning points related to guidelines
 - CAPA very laboratory specific – contact us for advice anytime!

Exercise format suggestions

- ▶ More R exercises (only 1 participant)
 - Not being implemented
- ▶ Reduction in E exercises to 4 (only 1 participant)
 - Not being implemented
- ▶ Separate despatch if exercises have different closing dates (DAT / R exercises)
 - Should be clearer once DAT is a full scheme and uses separate exercise numbers
- ▶ More samples
 - Greater volume of plasma samples
 - Greater volume of donor samples
 - To allow for multiple testing of machines and staff; for training purposes
 - Not possible due to amount of material available

New – Phenotyping

- ▶ Rh and K phenotyping with all R exercises using patient whole blood samples
 - Approved by Steering Committee in principle
- ▶ Extended Red Cell Phenotyping Pilot Scheme
 - Rh, K, MNSs, Fy, Jk
 - Approved by Steering Committee in principle

New – Antenatal Antibody Titration

- ▶ IgG antibody (anti-K) titration exercise sent with 17E7
 - 72 participants would like this as a pilot scheme
- ▶ Requested in participant satisfaction survey
- ▶ Plans for a Pilot scheme in 2018 – approved by Steering Committee

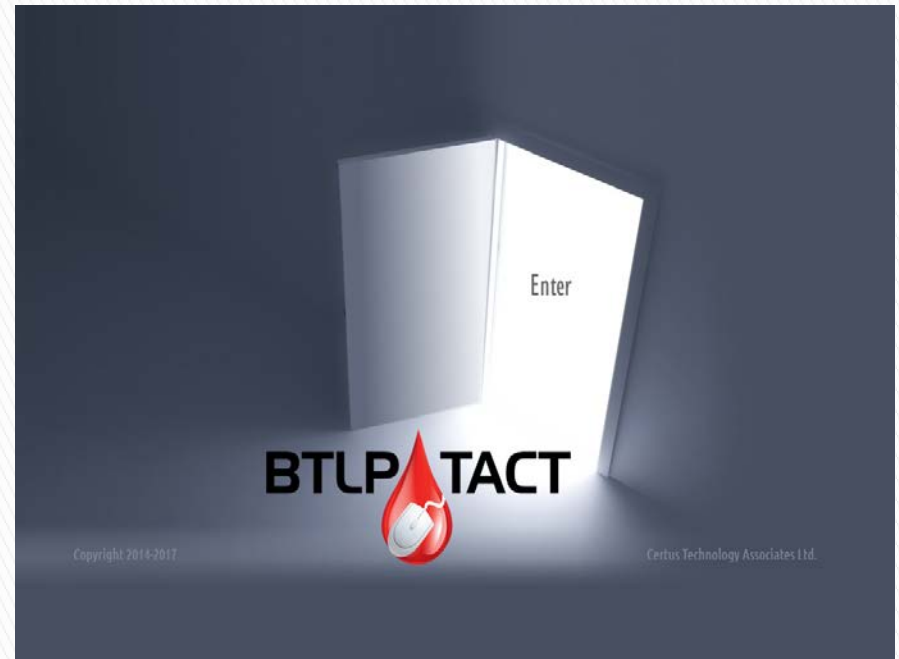


New ideas under consideration

- ▶ Newborn grouping
- ▶ Samples with monoclonal antibody DARA (Anti-CD38)
- ▶ Elution to be included with DAT
- ▶ IAT XM sensitivity (E exercises)

Other requests

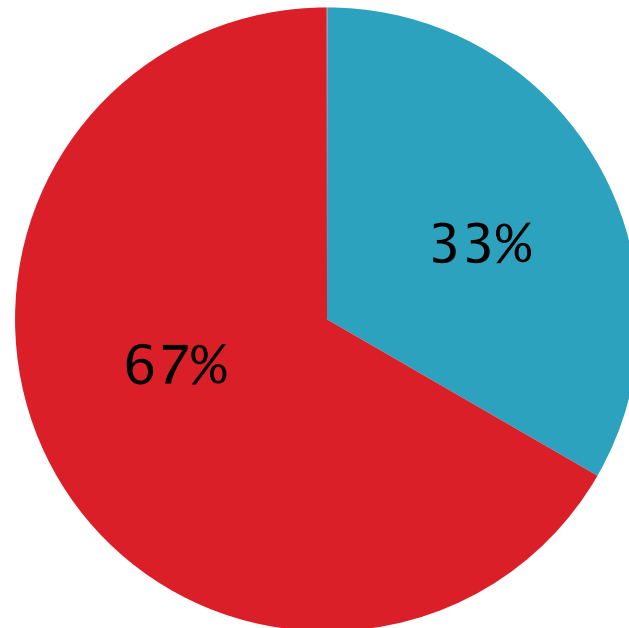
- ▶ Paper exercise for antibody panels
 - **Currently covered by TACT**
- ▶ Diagnosis to be included with patient details – include special requirement selection and scenario based questions
 - **Currently covered by TACT**
- ▶ Trauma / major haemorrhage scenario
 - **Was included in 17R8**
- ▶ Transfusion reaction investigation
 - **Possible future TACT development**
- ▶ Batch acceptance testing
 - **Doesn't really fit into either EQA or TACT**



UK NEQAS BTLP

Participant Suggestions Jan 2015 to Apr 2017

■ Rejected ■ Enacted



UKNEQAS BTLP

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