

Lumbar Puncture Grab Packs

The Shrewsbury and **Telford Hospital**

Theme | Getting to Good Produced by | Rachel Hanmer and Jackie Jones Case Study Date | 27/10/23

REASON WHY?

Ward 22 Short Stay regularly have patients on the ward who require a lumbar puncture procedure to be undertaken. Currently, the equipment and documentation needed to undertake the lumbar puncture procedure are located in multiple areas within the ward store room (and SaTH Intranet). This results in time delays locating the equipment and documentation prior to undertaking the procedure.











To reduce the time taken to obtain the equipment and documentation required for a lumbar puncture procedure by 75% by 1st October 2023.

Lumbar Punctus

PLAN

Direct observations of the current process whereby the clinician located the lumbar puncture equipment from the ward store room, and printed off the patient leaflet and consent forms from the SaTH intranet page showed the process took over 20 minutes. A defect was also observed as one of the required needles for the lumbar puncture procedure was not available: this would cause a further time delay as the needle would then have to be sourced from another ward.

The plan was to test having all the equipment and documentation required to undertake a lumbar puncture procedure put ready in a single box; located in the store room, the clinician undertaking the procedure would be able to 'grab' the box and go directly to the patient to undertake the lumbar puncture procedure.

DO

Engagement with ward colleagues, particularly clinicians who would be undertaking the lumbar puncture procedures was essential to ensure the correct equipment and documentation was ascertained for the box. A feedback sheet and a sample Lumbar Puncture Grab Box was put into the Doctors Office highlighting the idea and requesting their input.

The team were unable to source appropriate sized boxes therefore an alternative bag was sourced. A contents label was drafted which detailed what was included in it.

20 grab packs were made up and located in the store room for the ward to use.





STUDY

Over a 30 day period, of the 20 grab packs put together, 16 were successfully used (4 remained unused). A spreadsheet was kept of the equipment NOT used from the packs so the list could be adjusted again to minimise waste. The main item not used from the packs were the various sized gloves.

Timings show that it now takes 5 minutes to obtain the grab pack [walking from the nursing station to the store room to the patient's bedside to undertake the lumbar puncture procedure].

Based upon these timings, a total reduction of 160 minutes has been made to the set up of the 16 packs required for patients having a lumbar puncture procedure undertaken, resulting in the patient getting their lumbar puncture in a much more timely manner and with the correct equipment 100% of the time.

The **aim** to reduce the time taken to obtain equipment and documentation required for a lumbar puncture procedure by 75% has been achieved.

Feedback from colleagues and clinicians has been incredibly positive: one clinician wrote on the feedback sheet:

' Used it today - fantastic! All equipment ready to go, helps save time and provide more efficient service @'

ACT

The plan is to **adopt** the lumbar puncture grab packs, and to continue using the plastic pouches with labels on the front. The equipment list will remain unchanged but will be closely monitored, including equipment NOT used.

Next Steps:

The plan is to train additional Housekeepers to put together the grab packs to ensure they are always available for clinicians to access and use.

The plan is to introduce kanbans for the documentation printed off from the intranet.





ACKNOWLEDGEMENTS & REFERENCES | Ward 22SS colleagues and Housekeeping Team