

**Questions to hospital pharmacies:**

**Name of Hospital/Trust: University Hospital of North Midlands NHS Trust**

**Department: Pharmacy**

**Job title: Deputy Director of Pharmacy**

**Pharmacy contact information: Nicky Stringer**

A) Is compounding outsourced to an **external provider** in your region/city?

Yes – go to question A1)	Yes
No – go to question B)	

A1) What is the **name** of the external provider doing compounding preparation?

**Bath ASU, Baxters, Sciensus**

A2) What is the **location** of the external provider doing chemotherapy compounding?

**Bath ASU – SN13 9FU**

**Baxters – RG20 7QW**

**Sciensus – DE14 2WS**

B) What **manufacturing/compounding work** is currently being performed by pharmacists at your Hospital/Trust?

Final release

C) What **level/grade** of cleanroom do you run and how many of them do you have?

Grade B

3 rooms

C1) What **size** of unit do you currently run (square footage)?

188m<sup>2</sup>

C2) What is the **number of staff** in this unit?

21.7 wte currently in post

C3) Do you currently run at your **full capacity**?

Yes	
No	No

C4) If no, what % of capacity you're currently running?

Capacity is based on staff, facility and demand.

Capacity varies each day dependent upon all these factors.

The average staffing capacity is 96%.

The average facility capacity is 35%

D) Do you provide **services** to any other hospital pharmacies?

Yes	Yes
No	

D1). If yes, please specify which other hospitals you service:

MCHFT

E). How **many days per week** do you do compounding work? Please circle the relevant.

No of days/week	1	2	3	4	5 or 6 Mon – Fri Alternate Sat 4 hour session	7
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F) Approximately, how many compounding's do you do each day in your facility?

Number of compounding's per day on average is 106. However there is large variability between days dependent upon demand

G) Approximately, how many **pairs of gloves** do you use per day for pharmacy compounding work in your facility? (including both under- and over-gloves)

Number of **under-gloves** per day (pairs): 14,533 per annum

Number of **over-gloves** per day (pairs): 4,405 per annum

G1) What proportion (%) of these are **sterile gloves**?

100 %

G2) Who is your current gloves **provider(s)**?

Helapet, Biogel, Kimtech

G3) What **types** of gloves do you use during compounding? Please put % for all relevant options.

	Chemotherapy	Parenteral nutritional	Other – please specify: _____
<b>Sterile exam gloves</b>			
<b>Non-sterile exam gloves</b>			
<b>Sterile PPE (Personal Protective Equipment) gloves</b>	✓	✓	Used as over-gloves ie 23%
<b>Sterile Surgical gloves (medical device)</b>	✓	✓	Used as under-gloves ie 77%

Cannot give split between parenteral nutrition and chemotherapy.

G4) What **material** are the majority of the sterile PPE/surgical gloves made of when used in pharmacy? Please put % for all relevant options.

<b>Nitrile %</b>	✓ some under gloves 13%
<b>Polychloroprene %</b>	
<b>Polyisoprene %</b>	
<b>Natural rubber latex %</b>	✓ over gloves and some under gloves 87%
<b>Other, please state: %</b>	

G5) What **material** is the packaging of your sterile gloves?

<b>Plastic</b>	
<b>Paper</b>	✓

H) How do you currently **purchase** your hospital pharmacy gloves?

<b>NHS SC</b>	✓
<b>Directly from supplier</b>	
<b>3<sup>rd</sup> Party provider / distributor (eg. Bunzl)</b>	✓
<b>Other</b>	

I) How frequently do you place **orders** and is this your preferred frequency?

When required.

J) What local/national guidelines/accreditation/regulations/governing bodies do you adhere to?

Current Health and Safety Guidance / Good Manufacturing practice

K) When **validating** a new sterile PPE/surgical glove, do you have a specific protocol/evaluation to follow?

Yes	✓
No	

L) Who is involved in the **validation process** and what **criteria** do you follow (please indicate position/role, process and time frames)?

Quality Department – write protocol and determine acceptance criteria, Production team to execute protocol.

M) Which of these **requirements** apply for a sterile PPE/surgical glove in your facility? (please tick all relevant options):

<b>Maximum liquid particle count level</b>	
<b>Specific outer packaging requirements</b>	
<b>Plastic inner-wrap</b>	
<b>Be able to stay on isolator glove port for certain amount of time</b>	✓
<b>Withstand certain amount of alcohol disinfections</b>	✓
<b>Chemicals / chemotherapy agents breakthrough time results</b>	✓
<b>Certified for use for a certain clean room grade</b>	
<b>We have other requirements (add them....)</b>	Comfort /puncture detection
<b>No requirements are specified</b>	

N) Which of these features of a sterile PPE/surgical glove would add value in your current practice? Please tick all relevant options.

<b>Good fit, feel and comfort</b>	✓
<b>Durability</b>	✓

<b>Easy to open sterile barrier</b>	✓
<b>Double gloving</b>	✓
<b>Puncture detection</b>	✓
<b>Anti-slip cuff (stays on gown)</b>	✓
<b>Low endotoxin level</b>	
<b>Other features add value</b>	

O) How often are gloves **changed** by operators working with compounding? Please state in relevant minutes.

Over-gloves: Per Session. Session times depend upon type of isolator gloves being used in can be either a maximum of 240 minutes or a maximum of 480 minutes

Under-gloves: On entering the facility, or as required.

P) What safety **guidelines/recommendations** does the Hospital / Trust currently follow?

Current Health and Safety Guidance

**Thank you for participating!**

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