

NORTH WEST
TELEPHARMACY⁺
Solutions

January 2017

Mission Statement: To be the leading comprehensive pharmacy services provider to Canadians and health care related institutions in under-served markets and times, utilizing innovative technologies.

Sterile Compounding:

The sterile compounding landscape has significantly changed over the past few years. The Ontario College of Pharmacists (OCP) now oversees hospital pharmacies, and a particular area of their focus includes sterile compounding and preparation. The National Association of Pharmacy Regulatory Authorities (NAPRA) has developed two new guidelines for sterile preparation: The Model Standards for Pharmacy Compounding of Non-Hazardous Sterile Preparations (2015), and The Hazardous Sterile Preparations (2016). It is OCP's mandate, for all hospital pharmacies involved with sterile compounding, to meet these standards by January 1, 2019.

Northwest Telepharmacy Solutions have experts in sterile compounding who are available to evaluate and assist your hospital in meeting these new standards. We also have a new IV workflow solution, with imaging and gravimetrics, which improves efficiency, safety, accuracy, and traceability for all products (both hazardous and non-hazardous) that are prepared in your sterile suite.

A Statement about Barrier Isolators

The implementation and use of Compounding Aseptic Containment Isolators (CACI) is one potential solution that may be of lower cost than the extensive renovations a complete sterile room overhaul would require.

CACI are barrier isolators that allow users to perform sterile compounding with less risk of exposure to the medications. This is particularly useful when compounding hazardous preparations.



These isolators have an advantage in that they are able to be placed in a segregated compounding area rather than a full clean room. The HVAC requirements are significantly less arduous to implement.

The requirements are as follows:

- The segregated compounding area must be in a low-traffic area with at least 12 air changes per hour (ACPH)
- The beyond-use date of the products can be no more than 12 hours room temperature or 24 hours refrigerated
- In the case of hazardous sterile compounds, the CACI must be placed in a room that has negative pressure (at least -2.5Pa or 0.01" water column) relative to the surrounding area. For non-hazardous sterile compounds, the CACI must be placed in a room that has positive pressure (2.5Pa or 0.01" water column) relative to the surrounding area.
- Sinks must be located at least 1 meter away from the CACI.
- For hazardous sterile compounds, the CACI must be externally vented.

Let North West Telepharmacy Solutions be your Hospital's Solution:

North West Telepharmacy Solutions understands patient safety is number one priority for healthcare. That explains why we don't stop working at 4 pm. We offer 24/7 around-the-clock pharmacist medication order review and after-hours On Call service.

For more information on adding our services to your hospital, visit our website at www.northwesttelepharmacy.ca or contact:



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North West Telepharmacist Feature: Introducing Farhana Chughtai



Born and bred in the UK, Farhana completed both her undergraduate and post-graduate studies in Pharmacy and worked as a Hospital Drug Information Pharmacist in the UK before moving to Canada in 2003. In Canada, she joined St Mary's General Hospital, Kitchener initially as a Pharmacy Consultant and later as a registered Pharmacist, providing services to cardiology, respiratory and emergency medicine. Over the past few years, Farhana has worked as a Hospital Telepharmacist for North West Telepharmacy Solutions and has also been involved in academia at both college and university level, teaching the bridging program to Pharmacy Technicians through Sheridan College as well as the Pharm D bridging program currently offered to Pharmacists through University of Waterloo. Farhana enjoys my role as an assessor at the bi-annual OCP regulated OSPEs and OSCEs. Farhana is a mother of 3 kids and when time allows, she wishes to concentrate on her new academic venture- MSc in Infectious Disease