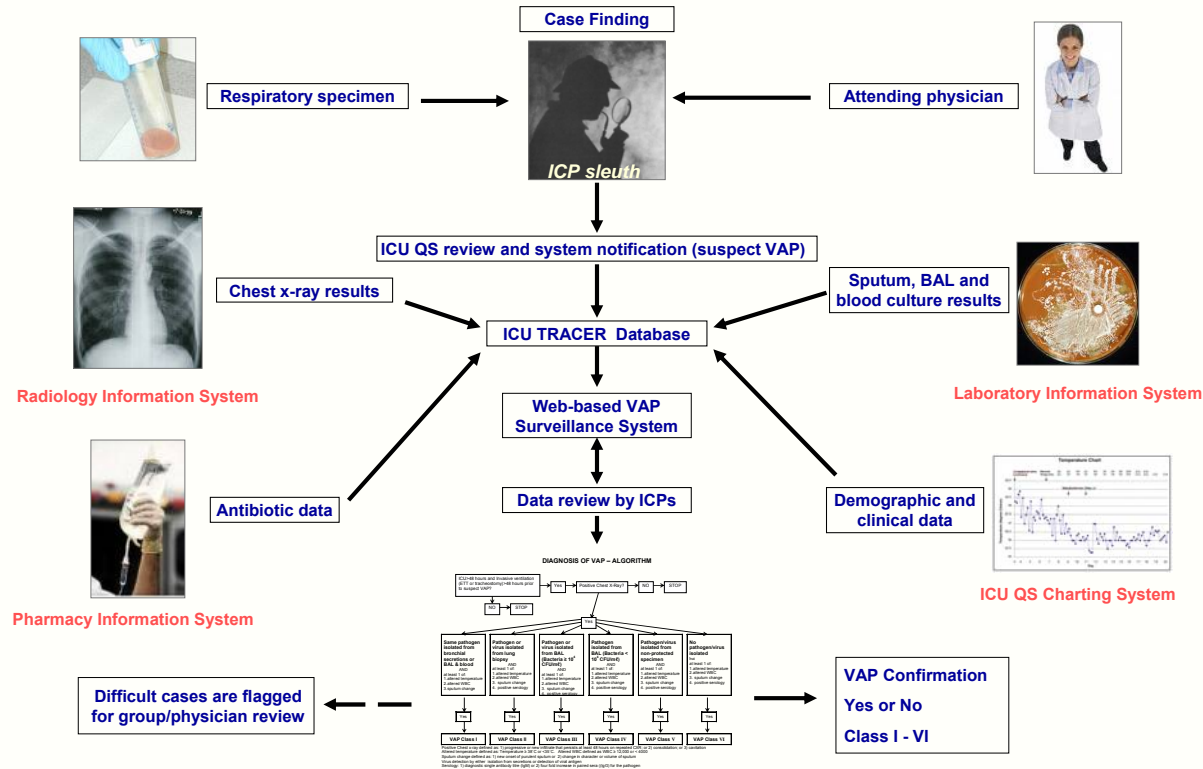


"No Need to Leave My Desk" Web-based VAP Surveillance

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Box 1

Turquoise data fields are automatically populated after the sentinel CXR date is entered



Box 2

- The Calgary Health Region provides healthcare services to 1.1 million residents in southern Alberta and tertiary services to 1.3 million residents of Alberta and BC. Infection Prevention and Control (IPC) conducts prospective surveillance for VAP in three adult multi-system ICUs within the Department of Critical Care Medicine (DCCM) that operates 48 beds and admits over 3000 patients per year.
- The VAP surveillance system was developed as an addition to the ICU TRACER database system by the Information Technology group in the DCCM in partnership with IPC.
- The web-based application and the use of a microbiology trigger for case finding has reduced (by 30%) the amount of time Infection Control Practitioners (ICPs) dedicate to VAP surveillance by eliminating the need to review the chart of every ICU admission and by minimizing the need for retrospective chart review. Default data fields (see Box 1) that are automatically populated reduce the time spent on data entry and decrease entry error.
- Now that ICPs have become proficient with the system and the “kinks” have been worked out, the current time commitment for surveillance is approximately 12 hours/week/48 ICU beds.
- The ability and commitment to regularly review cases as a group contributes to improved inter-rater reliability.
- Built-in real time reports and run charts (e.g. Box 2) can be created directly from the database by any employee in the region having a network ID and password.