



Pennsylvania Patient Safety Authority

Agency/Department: 0083

Job Description: Infection Prevention Analyst

Position Number:

Type of Job: Non-civil service / Management **Type Position:** Permanent / Full Time

Work Hours: 8:00 a.m. – 4:30 p.m. (time flexible)

Work Location: Office Headquarters (Home Office)

Reports to: Director, Collaborative Programs

Description of Duties:

The Infection Prevention Analyst assists the Authority with improvement of patient safety in Pennsylvania by initiating, developing, implementing and monitoring new and existing infection prevention initiatives throughout Pennsylvania. The Infection Prevention Analyst reports to the Authority's Director, Collaborative Programs.

The Infection Prevention Analyst will conduct the following activities:

1. Develop, implement, and monitor an annual infection reduction plan for the Authority.
2. Plan, coordinate, develop and conduct educational offerings with appropriate stakeholders on a regional or statewide level with other appropriate Authority and contracted personnel.
3. Education activities will be developed within guidelines established by the Director of Educational Programs.
4. Deliver presentations at individual healthcare facilities, local, statewide, and national professional societies and other interest groups regarding the Patient Safety Authority's role, mission and activities related to infection prevention and patient safety.
5. Develop and implement infection prevention improvement strategies.
6. Conduct analysis on facility HAI report data sets maintained by the Authority. Identify trends and issues associated with this data.
7. Author articles for publication in the PA Patient Safety Advisory and potentially external publications.
8. Work with the Director, Collaborative Programs to develop infection reduction collaborations.
9. Develop and encourage collaborative learning throughout Pennsylvania for infection prevention and reduction.
10. Lead infection reduction collaborations with PA facilities.
11. Develop and/or maintain relationships with key stakeholders in Pennsylvania (such as APIC, PADONA, Hospital Associations, Nursing Home Associations etc).
12. Encourage facilities to engage with the Authority in educational offerings.



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13. Work with facilities and other stakeholders to share patient safety policies and procedures that have led to improvement, when appropriate.
14. Solicit feedback from facilities regarding infection control initiatives, successes, and needs.
15. Help facility infection control practitioners and others utilize the resources of the Authority to further decrease healthcare associated infections and patient safety in their organizations.
16. Maintain, develop and submit documents and reports as required by requested deadlines.
17. Visit facilities as directed and/or required.
18. Perform any other responsibilities activities identified by the Executive Director that serve the infection reduction objectives of the Authority.
19. Interact with all of the Authority's analysts, patient safety liaisons, and other personnel as necessary.
20. Complete other duties as assigned by the Director, Collaborative Programs.

Required Competencies:

1. Demonstrates infection prevention core competencies as identified by The Certification Board of Infection Control and Epidemiology: identification of disease processes, surveillance and epidemiologic investigation, prevention and controlling the transmission infectious agents, employee/occupational health, management and communication, education and research.
2. Performs manual record/chart review, data abstraction, and data collection. *Independently performs electronic surveillance, applies data mining principles, and can integrate both manual and electronic findings for comprehensive reporting.
3. Conducts infection rate calculations and basic statistical analysis (mean, median, rate, ratio). *Beneficial if uses more advanced statistical tools (SIR, P values, standard deviation, odds ratio). Able to interpret research data and apply findings to current practice and can apply statistical methods in study design and research activities (sampling, power, hypothesis testing).
4. Is able to do graphic data display and report generation and dissemination. *Beneficial if understands and/or uses more complex data display tools (control charts, affinity diagrams, and scatter plots).
5. Benchmark/compares rates. *Possesses understanding of endemic vs epidemic rates, common or special cause variation. Uses comparative analysis to support institutional accrediting, regulatory compliance, and others. *Integrates comparative analysis into high level, strategic understanding of facility's quality, safety, and risk mitigation programs.
6. Possesses basic knowledge of epidemiology and outbreak investigation; can assist with investigations but usually does not lead them. *Has more advanced knowledge of epidemiology and study design; can conduct basic cluster/epidemic investigations. Collaborates with the local/state health department, as needed. *Can design and conduct complex studies/investigations, including across institutions. Collaborates with CDC on specific events, publishes results.
7. Uses literature review as an essential tool. *Interprets and applies meta-analyses; interprets research findings, identifies study limitations and bias.



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8. Uses data to identify the need for change and can propose basic intervention/improvement projects. Is learning the essential skills of PI and IS. *Can design complex interventions, understands and applies principles of PI and IS to both daily operations and special projects.
9. Understands and performs basic team/project facilitation and application of PI/IS skills. *Beneficial if independently uses PI and IS tools and methods; can choose and utilize approaches appropriate to stakeholder needs and project timelines. *Designs, facilitates, or leads multidisciplinary team projects; is a recognized expert in PI/IS with successful outcomes.
10. Is an effective educator/presenter using a variety of skills and techniques. Has experience with presenting to large audiences (internal and/or external).
11. Develops policies and procedures based on understanding of regulatory/accreditation requirements.

Minimum Experience/Training:

1. Registered Nurse, BSN preferred. Current active Pa. license.
2. Non-nurse candidates shall possess a Bachelor’s or Master’s degree in public health, or other healthcare/public health related field.
3. Current Certification in Infection Control (CIC) preferred, or within two years of hire.
4. Minimum of 10 years’ experience in Infection control in acute and/or long term care.
5. Familiarity with NHSN, PA-PSRS, NEDSS, and other state and federal reporting systems.

Essential Functions/Requirements:

1. Establishes good relationships with others in the work place
2. Works collaboratively with ECRI Institute staff and other subcontractors.
3. Works independently and equally well as part of a team.
4. Possesses good knowledge of Microsoft Office applications (Word, Excel, PowerPoint, Outlook, etc.)
5. Possesses effective written and spoken communications skills
6. Designs impactful evidence-based presentations
7. Effectively presents and communicates to large audiences
8. Possesses a valid PA. driver’s license
9. Has ability to travel within PA including some overnight stays. Total travel should not be more than 40% (high estimate)

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