



## Reducing Adverse Drug Events and Healthcare-Associated Infections

Adverse drug events and infections are among the most common adverse patient safety events.

IPRO QIN-QIO is the Centers for Medicare & Medicaid Services' designated Quality Innovation Network-Quality Improvement Organization (QIN-QIO) for your state. We will work with you to substantially reduce all-cause harm in community-based facilities and nursing centers by 2024 by reducing adverse drug events (ADEs) and healthcare-associated infections (HAIs).

We will collaborate with community coalitions and nursing centers to implement process changes that will result in a reduction of adverse drug events and healthcare-associated infections.

### Goals

- Establish medication management collaborations with nursing centers and community coalitions.
- Reduce opioid-related ADEs, misuse, and deaths.
- Reduce ADEs due to the following high-risk medications (HRMs): anticoagulants, diabetes medications, antipsychotics (nursing centers only), and antibiotics.
- Promote antibiotic stewardship (AS) in nursing centers to reduce HAIs including *Clostridioides difficile* (*C. difficile*) and urinary tract infections.



### Clinical and Quality Improvement Offerings

#### Complimentary Technical Assistance

- Support serial data collection, analysis, reporting and trending.
- Facilitate and support interpretation of root cause analyses to identify priorities for intervention.
- Evaluate effectiveness of interventions and support innovative strategies that sustain safety goals.
- Support with implementation, augmentation, and/or expansion of electronic health record data reports.
- Assess current HRM management elements and Centers for Disease Control and Prevention (CDC) Core Elements of AS and determine which are in place and/or needed.
- Access to a network of clinical experts in your region, state, or county.

#### Evidence-based Clinical Tools and Educational Resources

- Benchmarking and comparative data reports which include regional, state, county, community, healthcare network, practice, and individual provider levels for comparative analyses.
- Educational resources for clinicians, staff, patients, and residents to support the reduction of ADEs and achieve the CDC Core Elements of AS tools to assess for and implement HRM management and AS.
- Resources for high-risk medication management improvement during transitions of care

*continued*

# PATIENT SAFETY

## What are the expectations of my organization?

- Establish an internal team to share project responsibility for your organization.
- Commit to collaborate with the QIN-QIO for duration of the project.
- Commit to sharing data with QIN-QIO to identify opioid safety and HRM management gaps and utilize this data to support HRM ADE prevention and reduction strategies.
- Commit to developing and implementing a sustainable quality improvement plan to address opioid safety, HRM ADE prevention/ reduction and C difficile and healthcare-associated infection reduction.
- Collect and share information with the QIN-QIO including but not limited to antimicrobial prescribing patterns (baseline and post intervention) including *C. difficile* diagnostic and laboratory processes/data.
- Collect and share information with the QIN-QIO on antipsychotic prescribing patterns and ADE rates in the NH setting.
- Participate in meetings, learning sessions, and ECHO programs as needed.
- Implement and evaluate the impact of one or more intervention strategies.

## Example Tools and Resources

Medication Safety and Medication Reconciliation	Discharge Communication	Anticoagulation Management	Antibiotic Stewardship
<p>Medication Safety and Adverse Drug Event Prevention Toolkit</p> <p>Medication Reconciliation on Admission and Discharge</p> <p>Medication Discrepancy Identification and Resolution</p> <p>MARQUIS Toolkit</p>	<p>Pain Management</p> <p>Anticoagulation</p> <p>Diabetes Management</p>	<p>Report Template for Warfarin Quality Management: Time in Therapeutic Range Evaluation</p> <p>Management of Anticoagulation in the Peri-Procedural Period (MAPPP) Mobile app for Apple and Android: <a href="http://mapppp.ipro.org">http://mapppp.ipro.org</a></p>	<p>Fluoroquinolone Fact Sheet (FDA ADE Update)</p> <p>Adult Cystitis Outpatient Treatment Guideline for Older Adults</p> <p>Urine Specimen Contamination Pocket Guide</p> <p>Guide for Nitrofurantoin Product Selection</p>

### For more information

This material was prepared by the IPRO QIN-QIO, a partnership of Healthcentric Advisors, Qlarant and IPRO, serving as the Medicare Quality Innovation Network-Quality Improvement Organization for the New England states, NY, NJ, OH, DE, MD, and the District of Columbia, under contract with the Centers for Medicare & Medicaid Services (CMS), an agency of the U.S. Department of Health and Human Services. The contents do not necessarily reflect CMS policy.