

# HQIC Patient Safety: Adverse Drug Events

## Welcome!

- All lines are muted, so please ask your questions in the Chat Panel.
- For technical issues, chat to 'All Panelists'.
- Please be aware that this event will be recorded.

## We will get started shortly!

# HQIC-ADE: Quality Improvement in Anticoagulants



December 28, 2021

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Alliant Health Solutions

Carol Snowden, RN, BSN  
Alabama Hospital Association

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Georgia Hospital Association  
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## Hospital Quality Improvement

# Welcome from all of us!



# Adverse Drug Event Co-Leads

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## **Carol Snowden, RN, BSN**

Carol has over 20 years of experience in clinical nursing and quality improvement. She joined the Alabama Hospital Association as Quality Director in March 2021.

Contact: [csnowden@alaha.org](mailto:csnowden@alaha.org)



## **Jennifer Massey, PharmD**

Jennifer has 15 years of health care experience, including clinical pharmacy in the acute care hospital setting and in various roles at Alliant Health Solutions working on the CMS contract for the Quality Innovation Network–Quality Improvement Organization (QIN–QIO). She currently serves as the SME for Opioids and Adverse Drug Events for HQIC.

Contact: [Jennifer.Massey@allianthealth.org](mailto:Jennifer.Massey@allianthealth.org)

# ANTICOAGULATION SAFETY

REDUCING ADVERSE DRUG EVENTS



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# Impacting Patient Care Through Quality Measurement

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**Jerry Holley, RPh**

Director of Pharmacy

**Brenda Duncan, RN**

Director of Quality Management



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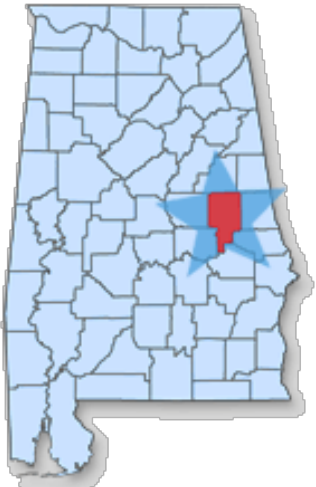
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# Learning Objectives

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- List key success factors in developing an effective multidisciplinary team focused on ADE/Patient Safety.
- Identify tools for hardwiring best practice interventions into your culture.
- Learn how to utilize data to measure results and effectiveness, specifically data from Alliant Solutions.



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# Russell Medical Data Measurement Tools

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- Axiom Syntellis
- Medmined CareFusion
- Alliant Health Solutions



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# Multidisciplinary Team

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- Director of Quality
- Chief Medical Officer
- Quality Leadership Committee
- Pharmacy Director
- Pharmacy and Therapeutics Committee
- Alliant Health Representatives



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# Team Goal: Implement Dosing Protocol

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## First Step

- Recognition of ADE
- Identify the cause of increased ADE
- Determine how to identify cases



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# Know Your Hospital's Numbers

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- Access the HQIC portal
- Review the ICD-10 captured data
- Top five ICD-10 codes for claims
- D649, D62, R791, K922, K921
- These claims capture 80% of ADE



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# Pharmacist-Led Interventions

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- Dosing protocols
- Clinical data support
- Dosage adjustments for renal and liver function



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# Pharmacist Workflow

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- DOACS: Eliquis, Xarelto, Pradaxa
- Review Clinical alerts and reports (CareFusion Medmined)
- Check dosing for DOACs, Warfarin and Lovenox guidelines
- Review renal and liver function
- Review patient age and weight



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# Treatment Protocols

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- Indication-based dosing
- Drug interactions
- Reversal agents
- Transition of care



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# Do it the Right Way

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- Patient education
- Meds-to-Bed
- Pharmacy performance improvement indicators
- Formulary management
- Older Patients are at risk



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# Most Crucial for Success

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- Physician engagement
- Physician communication
- Pharmacy monitoring
  - Compliance with protocol
  - Clinical alerts Medmined/CareFusion



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# Key Steps

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- Create accountability
- Engaging physicians
- Communicating clearly: Expectations and results
- Becoming a data driven organization
  - Compliance with protocol
  - Clinical alerts Medmined/CareFusion
- Celebrate achievements



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# Questions

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# Dosing and Policy Considerations for Lovenox

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- Current lab values – including weight
- Repeat labs – what and how often?
- Rounding
  - 1 mg/kg vs 84 mg vs. ‘treatment dose’
- Indication-based dosing
- Renal dosing
- Syringe size to dispense
  - Dosing over 150 mg requires multiple syringes
  - Pyxis/Omnicell/etc.
- Anti-Xa levels
  - Indications, timing, dose adjustments, follow-up

# Key Takeaways

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- **Learn Today:**

- How Russell Medical Center used available data to implement a new anticoagulation policy
- Understand key elements of anticoagulation medications that can decrease adverse drug events

- **Use Tomorrow:**

- Understand the steps necessary to implement a new medication based policy
- Better knowledge of anticoagulation prescribing and administration in the hospital setting

**How will this change what you do? Please tell us in the poll.**

# Questions?


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Email us at [HospitalQuality@allianthealth.org](mailto:HospitalQuality@allianthealth.org) or call us 678-527-3681.



# HQIC Goals



## Behavioral Health Outcomes & Opioid Misuse

- ✓ Promote opioid best practices
- ✓ Decrease high dose opioid prescribing and opioid adverse events in all settings
- ✓ Increase access to behavioral health services



## Patient Safety

- ✓ Reduce risky medication combinations
- ✓ Reduce adverse drug events
- ✓ Reduce *C. diff* in all settings



## Quality of Care Transitions

- ✓ Convene community coalitions
- ✓ Identify and promote optimal care for super utilizers
- ✓ Reduce community-based adverse drug events

# Upcoming Events

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**January 25<sup>th</sup>, 2022 12:30 p.m. EST**  
**(occurring the fourth Tuesday of each month)**



Anticoagulant and Glycemic ADE Patient Safety Network

Jennifer Massey and Carol Snowden

[www.quality.allianthealth.org](http://www.quality.allianthealth.org)

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**Thank you for joining us!**  
**How did we do today?**

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