UNIVERSITY OF UTAH HEALTH

- Location: Salt Lake City, Utah
- 588 bed tertiary care hospital
- 36K annual inpatient visits
- 12 Community Clinics
- 200K member Health Plan
- EHR: EPIC

- Youngest state in nation
- In 2018, 22% of inpatients admissions > age 65 years
- Rapidly growing geriatric population
# AGE FRIENDLY HEALTH SYSTEM TEAM MEMBERS

Health System Leader:  Mark Supiano, MD; Executive Director, Center on Aging  
Data Analytics: Charlton Park, Chief Financial Officer & Chief Analytics Officer  
Quality:  Sandi Gulbransen, Steve Hunsaker, Terrell Rohm  
Nursing Service: Scott Christenson, DNP, MBA, APRN

<table>
<thead>
<tr>
<th>Units/Teams</th>
<th>Medications</th>
<th>Mobility</th>
<th>Mentation</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Linda Tyler, PharmD</td>
<td>Chris Noren, PT Robin Marcus, PT, PhD</td>
<td>Lindsay Embree, PhD Norman Foster, MD</td>
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<td>Shantel Mullin, PharmD</td>
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<tr>
<th></th>
<th>Team Leader</th>
<th>Clinician</th>
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<tbody>
<tr>
<td><strong>Inpatient Medicine</strong></td>
<td>TBD</td>
<td>Nate Wanner, MD</td>
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<tr>
<td><strong>MICU</strong></td>
<td>Tiffany Fasano, PA</td>
<td>Estelle Harris, MD</td>
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<tr>
<td><strong>Community Clinics</strong></td>
<td>Melissa Briley, PA</td>
<td>Lindsay Embree, PhD Norman Foster, MD</td>
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PROGRESS OF THE 4MS

• What was already in place?
  – Hospital Elder Life delirium prevention program
  – Delirium screening in MICU
  – Fragility fracture pathway

• How have you used your EHR(s) to support the 4Ms?
  – Annual Wellness Visit Template (Mini-Cog flow sheet)
  – AM-PAC Six Clicks mobility assessment
  – mEVAL Patient Reported Outcomes
**LEARNING ACTION COMMUNITY MEASURES CATEGORY IN EXTRANET**

<table>
<thead>
<tr>
<th>Community Clinics</th>
<th>Inpatient Medicine</th>
<th>MICU</th>
<th>Trauma Surgery</th>
<th>System</th>
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<tbody>
<tr>
<td>Outpatient Meds</td>
<td>Inpatient Meds</td>
<td>Delirium Screening</td>
<td>Inpatient Medicine</td>
<td>Joy in Work (Staff turnover)</td>
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<tr>
<td>30 Day Readmit</td>
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<td>ED Visits</td>
<td>Volume of Patients</td>
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<td>Depression Screening</td>
<td>HCAHPS</td>
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<td>Delirium diagnosis</td>
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<td>Dementia Screening</td>
<td>What Matters</td>
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<td>Advanced Care Plan</td>
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30-READMISSION RATE

Teams: University of Utah - Inpatient Medicine
Measure: 30-day readmissions 65-74

Analysis:
- Define baseline... Yes
- Too many/too few runs: No
- Shift in the data: No
- Trend in the data: No
- Astronomical Point: Please Review

Details:
- Median: 15.82
- Total Observations: 13
- Useful Observations: 12
- Number of runs: 5
- Longest Run: 5
- Longest Trend: 3

Legend:
- normal
- annotated
- missing data
- median
- highlighted
- overlapped highlighted

Display Options:
- Vertical lines on chart
- Horizontal lines on chart
DELIRIUM SCREENING IN MICU

Teams: University of Utah - MICU
Measure: Screened for delirium (hospital) 65-74

Analysis
RULES CANNOT BE APPLIED
If a run chart has 50% or more of the data at 0 or at 100% (the absolute extreme values possible on the scale) the criteria for detecting a non-random statistical signal in the data with the run chart rules cannot be applied. In these cases, the data will not yield a useful median making application on the rules useless. The median will be the extreme absolute value itself (0 or 100%). When this condition exists you should consider charting time or counts (e.g., cases) between events.

Display Options
- Vertical lines on chart
- Horizontal lines on chart
PROPORTION ON TARGETED MEDICATION

Teams: University of Utah - Inpatient Medicine
Measure: Percentage of patients on targeted medications 65-74

Analysis:
- Too many/too few runs: No
- Shift in the data: No
- Trend in the data: Yes
- Astronomical Point: Please Review

Details:
- Median: 60.0
- Total Observations: 13
- Useful Observations: 12
- Number of runs: 4
- Longest Run: 4
- Longest Trend: 5

Legend:
- - normal
- - annotated
- - missing data
- - median
- - highlighted
- - overlapped highlighted

Display Options:
- Vertical lines on chart
- Horizontal lines on chart
Creating an Age-Friendly Health System: The 4 Cornerstones
17th Annual Rocky Mountain Geriatrics Conference
August 26-27, 2019
Snowbird Ski and Summer Resort Snowbird, UT

Keynote Speakers
Rebecca Sudore, MD: Professor of Medicine, University of California, San Francisco
Cynthia J. Brown, MD, MSPH, AGSF: Professor of Medicine & Director, Division of Gerontology, Geriatrics and Palliative Care, Comprehensive Center for Healthy Aging, University of Alabama at Birmingham
Sunny Linnebur, Pharm.D, FCCP, FASCP, BCPS, BCGP: Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, University of Colorado Anschutz Medical Campus

https://medicine.utah.edu/internalmedicine/geriatrics/conferences/rm_conference/
BREAKOUT DISCUSSION SESSIONS

• Mentation
  – Facilitator: Norman Foster, MD
  – HSEB Room 3515A

• Mobility
  – Facilitators: Estelle Harris, MD & Bruce Goudelock, PT
  – HSEB Room 5100A

• Medication
  – Facilitator: Shantel Mullin, PharmD
  – HSEB Room 5100B

• What Matters
  – Facilitators: Mary Tinetti, MD & Shaida Talebreza-Brandon, MD
  – Eccles Building Room 4120