Nutrition Informatics: A Road-Map to Empower the Clinical Dietitian

OBJECTIVES

1. Identify areas of impact and utilize informatics to address.

2. Implement strategies to bring clinical nutrition to the forefront.

3. Effectively communicate nutrition metrics to sustain a quality practice.

Nutrition Informatics

The effective retrieval, organization, storage, and optimum use of information, data, and knowledge for food- and nutrition-related problem solving and decision-making.

Applications to Clinical Nutrition

- Clinical documentation via EHR
- Creation of clinical decision support system tools, alerts, and reminders
- Integration of peer-reviewed literature at point-of-care
- Integration of Nutrition Care Process
- Querying database for quality improvement
- Remote care and telemedicine

CNM Symposium 2012

Quality Nutrition Outcomes: Idea to Implementation

Elevate, Promote and Expand the role of the dietitian.

THINK... Spend Time Thinking

What?

Why?

Why?

Why?

Why?

How?
- THERE WILL ALWAYS BE MORE GOOD IDEAS THAN THERE IS CAPACITY TO EXECUTE -

Why Change?

• Patient Safety
• Patient Satisfaction
• Order Compliance
• Evidence Based

KEY:

Align with institution strategies

Communicate the Right Message at the Right Time

LESS IS MORE

<table>
<thead>
<tr>
<th>Who</th>
<th>How</th>
<th>When</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>• Education Council</td>
<td>Sept Oct 2013</td>
<td></td>
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<tr>
<td>Responsibility</td>
<td>• CNO Council</td>
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<tr>
<td></td>
<td>• Personal Education with Reference Card</td>
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<td></td>
<td>• In-services, Orientation</td>
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<td></td>
<td>• Flyers, posters, table tents, announcements to be placed in nursing lounges</td>
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</tr>
</tbody>
</table>

| Unit Secretaries | • Personal Education with Reference Card | Sept-Oct 2013 |
| Responsibility   | • Monthly Meeting                       |         |        |
|                  | • In-services, Orientation              |         |        |
|                  | • Flyers, posters, table tents,         |         |        |
|                  |   announcements to be placed in nursing lounges |         |        |

Strategy is Easy – Execution is Hard

People support that which they help create

LESS IS MORE

ENGAGE & EMPOWER

Dietitians make a difference!

If we don’t ADVOCATE for NUTRITION who will?
Gap Analysis

Percentage of Eligible ICU patients with EN initiated within 48 hours of ICU Admission

When people want to do something – it is easy; and when they don’t – it is hard

Sometimes a Leader has to LEAD

Manage the Barriers
- Increase RD privileges
- Position yourself at meetings
- Volunteer for committees
- Put yourself in the fire
- Be SEEN
- Constantly manage up
- Create a culture of feedback
- Remind staff of the WHY
- Avoid the whirlwind

Actions are Nice, Results are What Counts

ELEVATE

Raised awareness of RD role:
- Patient advocates
- More face time with MDs and RNs
- MDs asked for RDs to be accountable, like them
- Increased MD respect
- Put ourselves in harms way!!

Report Out the Truth

Fall-out Details for ICU:
- 62% started within 48 hrs out of 72 eligible patients
- 10 appropriate to not start EN (GI issue, end of life care)
- Opportunity Areas:
  - Unable to gain access: 3
  - Delayed Order: 5
  - Multiple procedures: 7
  - Other: 2
- 83% if all patients started appropriately
Sacrificing individual gain for the team’s greater good is the price of admission members must pay … and keep on paying… to be on the team.

Anything You Can Measure, You Can Make Better

No Change is Ever Painless, Seamless, or Invisible

Change is Inevitable & Necessary

Culture Change

Old model
• Consult service
• Lack of face-to-face
• Recommendations left in chart
• Reactive

New model
• Physician rounds
• Daily in ICUs
• Nutrition expert – nursing resource
• Quick implementation
• Integration into service lines
• CNSCs in ICUs
• Proactive
Culture Change

- Established awareness, respect and trust for clinical dietitians
- MDs requesting their RD presence vs asking “who is the RD?”
- Raised the bar – high expectations of staff
- Increased accountability
- System councils reach out to us
- CEOs, CNOs, CIO, CMO all know Clinical Nutrition on first name basis

EXPAND

<table>
<thead>
<tr>
<th>System Clinical Nutrition Expansion</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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<tbody>
<tr>
<td># hospitals</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>(10 acute care, 2 rehab)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hospital CN Directors</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Hospital CNMs</td>
<td>5</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td># RDs in sys</td>
<td>67</td>
<td>81</td>
<td>83</td>
</tr>
<tr>
<td># RDs with Advanced Practice</td>
<td>24</td>
<td>27</td>
<td>33</td>
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EXPAND

<table>
<thead>
<tr>
<th>Clinical RD staff at Academic Hospital</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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</thead>
<tbody>
<tr>
<td>Total FTEs</td>
<td>23.8</td>
<td>22.8</td>
<td>23</td>
<td>26</td>
<td>30.5</td>
</tr>
<tr>
<td>#ICUs</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>#RDs</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>FTE:ICU beds</td>
<td>1:40</td>
<td>1:40</td>
<td>1:40</td>
<td>1:25</td>
<td>1:25</td>
</tr>
<tr>
<td>Days/week RD in rounds</td>
<td>1 – 5d/wk</td>
<td>1 – 5d/wk</td>
<td>1 – 5d/wk</td>
<td>1 – 5d/wk</td>
<td>1 – 5d/wk</td>
</tr>
<tr>
<td></td>
<td>1 – 3d/wk</td>
<td>1 – 3d/wk</td>
<td>1 – 3d/wk</td>
<td>2 – 3d/wk</td>
<td>2 – 3d/wk</td>
</tr>
<tr>
<td></td>
<td>5 – 5d/wk</td>
<td>5 – 5d/wk</td>
<td>5 – 5d/wk</td>
<td>8 – 5d/wk</td>
<td>8 – 5d/wk</td>
</tr>
<tr>
<td>%ICU RDs with CNSC</td>
<td>100%</td>
<td>100%</td>
<td>80%</td>
<td>86%</td>
<td>100%</td>
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</tbody>
</table>

EMPOWER

<table>
<thead>
<tr>
<th>MHHS RDs at State/National Conferences</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tbody>
<tr>
<td>Clin RD</td>
<td>2</td>
<td>6</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Mgr/Dir</td>
<td>5</td>
<td>3</td>
<td>3</td>
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PROMOTE

- Bring awareness to the interventions of the RD
- Represent and present at EVERY hospital & system council and meeting
- Showcase the RDs
- Link RD value to meaningful outcomes

We EMPOWER you ..

- To take one thing from today and THINK on it
- To FIND and MEET with your nutrition champion
- To ELEVATE the perception of your dietitians
- To develop a strategy to ENGAGE your dietitians
- To PROMOTE the importance of clinical nutrition to your administrator
- To MEASURE RD outcomes using nutrition informatics
- To put yourself in HARM’s WAY
- To JUST DO IT
The Power of Teamwork: 
Inspired by the Blue Angels

www.youtube.com/watch?v=U-iyBsaehn8

When each member accepts full responsibility and strives for excellence … trust and performance increase exponentially… the team is ready to take off.

The Blue Angels

References

• FranklinCovey Co. Leadership Modular Series.