Core Measures for Age-Appropriate Care in the NICU

Mary Coughlin, MS, NNP
President and Global Learning Officer
Caring Essentials Collaborative, LLC, Boston, MA

The speaker has signed a disclosure form and indicated she has no significant financial interest or relationship with the companies or the manufacturer(s) of any commercial product and/or service that will be discussed as part of this presentation.

Session Summary

The five primary drivers of an exceptional inpatient experience for patients/families include commitment of leadership, engagement of the hearts and minds of staff, respectful partnerships, reliable care, and evidence-based care. These drivers are embodied in the five core measures for age-appropriate care (developmental care): protected sleep, pain and stress assessment and management, attention to age-appropriate activities of daily living, family-centered care, and the healing environment. Linking age-appropriate care practices with the Joint Commission’s standards that all clinicians meet the age-appropriate needs of the patient population served legitimizes and mandates this practice model and provides a framework for the consistent and reliable delivery of age-appropriate care.

Session Objectives

Upon completion of this presentation, the participant will be able to:

- describe Erikson’s first stage of psycho-social development;
- list the five core measures for age-appropriate care;
- identify one evidence-based outcome associated with the application of the core measures in clinical practice.

References


**Session Outline**

See presentation handout on the following pages.
Core Measures for Age-Appropriate Care in the NICU

Mary Coughlin RN, MS, NNP
President and Global Learning Officer
Caring Essentials Collaborative
Boston, MA

Disclosure
• Mary Coughlin is President and Founder of Caring Essentials Collaborative, LLC, has nothing to disclose

Objectives
Upon completion the participant will be able to:
1. Describe Erikson’s first stage of psycho-social development
2. List the 5 core measures for age appropriate care
3. Identify 1 evidence based outcome associated with the application of the core measures in clinical practice.

Age Appropriate

Stages of Psychosocial Development

Erikson Life-Stage Virtues
• HOPE – basic trust vs. mistrust (0-1)
• WILL – autonomy vs. shame & doubt (1-3)
• PURPOSE – initiative vs. guilt (3-6)
• COMPETENCE – industry vs. inferiority (6-11)
• FIDELITY – identity vs. role confusion (12-mid 20’s)
• LOVE – intimacy vs. isolation (young adult – mid 20’s to early 40’s)
• CARING – generativity vs. stagnation (40’s to 60’s)
• WISDOM – ego integrity vs. despair (>60’s)
Nightingale Legacy

'The nurse is responsible for creating and maintaining an environment conducive to the healing process.'

- Compassion
- Commitment to patient safety
- Diligent & thoughtful hospital administration
- Teamwork

Nightingale Legacy 1860

Clinical Audit Pioneer
Experience of Care

Quality of Developmental Care Impacts Neurobehavioral Performance

Montirosso et al 2012

Protected Sleep
- Assess
- Protect
- Support

Pain & Stress Assessment and Management
- Assess
- Manage
- Mitigate

Healing Environment
- Physical - sensory, space, aesthetics
- Human - communication, caring
- System - identity, accountability, resources

Family Centered Care
- Define
- Assess
- Empower & Educate

Activities of Daily Living
- Posture/mobility
- Alimentation
- Hygiene

Coughlin et al 2009; Coughlin 2011; Coughlin 2014

A12: CORE MEASURES FOR AGE-APPROPRIATE CARE IN THE NICU
Clinical outcomes

- Observational cohort: all <32W admissions
- Comparaison of 3 periods
- Based on NICAUDIT criteria
  - Belgian neonatal network registry
  - Major clinical outcomes

<table>
<thead>
<tr>
<th>Population</th>
<th>Before</th>
<th>Period 1</th>
<th>Period 2</th>
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<tbody>
<tr>
<td>total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male sex (%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;26</td>
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<td></td>
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<tr>
<td>26-&lt;28</td>
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</tr>
<tr>
<td>28-&lt;32</td>
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<td></td>
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<tr>
<td>Mean GA (SD)</td>
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<tr>
<td>Mean BW (SD)</td>
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<tr>
<td>Mean 5’t’Apgar</td>
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</table>
Neurological outcomes (%)

Other outcomes (%)

2yrs Followup data

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<tr>
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<th>After (130)</th>
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<tr>
<td>Discharged</td>
<td>91</td>
<td>120</td>
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<tr>
<td>Post NN death</td>
<td>1</td>
<td>0</td>
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<tr>
<td>Followed up @ 2yrs</td>
<td>65 (71%)</td>
<td>102 (85%)</td>
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</tbody>
</table>

Neurodevelopmental disability (%) as per BAPM

Neurodevelopmental outcomes II (%)

Other outcomes (%)