Variations in Parental Participation in Nursing Care Sessions in the NICU by Infant and Family Variables

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Why it’s Important:

An infant’s readiness for discharge and overall health development are strongly linked to parental behaviors.

Why are these initiatives needed?

However, many obstacles prevent consistent parental presence in the NICU, such as: distance from hospital, work, sibling care, etc.

“Social Determinants of Health”
Aims:

To determine the social determinants of health that affect family engagement.

We hypothesize that there will be a correlation between Medicaid status of the mother and number of days caregivers participated in cares.
Sample included babies from a level 3 NICU who were part of a QI study

Infants were screened who were 2 weeks and older

Visitation data was pulled and entered into RedCap

Data analyses were run
Demographic Data:

Figure 1: Sex n=26

Table 1: Gestational Age n=26

<table>
<thead>
<tr>
<th>Average GA (weeks)</th>
<th>Standard Deviation</th>
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<tbody>
<tr>
<td>27.58</td>
<td>+/- 3.3</td>
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Table 2: Birth Weight n=26

<table>
<thead>
<tr>
<th>Average BW (g)</th>
<th>Standard Deviation</th>
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<tbody>
<tr>
<td>1151.85</td>
<td>+/- 697.46</td>
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</table>
**Results:**

<table>
<thead>
<tr>
<th>Average Days Participated in Care</th>
<th>Standard Deviation</th>
</tr>
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<tbody>
<tr>
<td>4.12</td>
<td>+/- 2.10</td>
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</table>

**Figure 2 (Left): Average Days Participated in Cares over 13 week Period**
Clear variability throughout the weeks of infants’ NICU stay.

**Table 3 (Top): Average Days +/- SD**
On average, parents were able to visit infant 4 days out of the week.
Back to our hypothesis...

Figure 3: Medicaid Status n=26

Table 4: Medicaid Status Relationship to Number of Visits n=26

<table>
<thead>
<tr>
<th>Mann-Whitney Test</th>
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<tbody>
<tr>
<td>Commercial Mean</td>
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<tr>
<td>Medicaid Mean</td>
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<tr>
<td>Z score</td>
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Medicaid status alone was not enough to determine where the problem stems from!

So how do we address the problem?

- Parent education levels
- Zip code
- Race/ethnicity
- People in home
- SES/job
- # of caregivers
Limitations:

We are still collecting data and hoping to increase our sample size in the coming months.

Demographic data is self-reported.

Questions?
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