through use of a standard template to decrease identified deficiencies.

Aims
- Increase use of a standardized template for DS to >90% in 6 months
- Improve quality of DS to >85% in 6 months
- Achieve the state of no deficiencies in the DS to >80% in 6 months.

Methods

Study Design: Prospective PDSA (Plan, Do, Study, Act) cycle-based Quality Improvement Project.

Study Setting: 54 bedded quaternary level NICU, Doha, Qatar.

Study Period: January 1, 2019 to December 31, 2019.

Phase 1: January to May 2019: Pre-intervention phase: Conducted an anonymous DS survey and audit and provided education on improving DS qualities in several team group meetings

Phase 2: June to August 2019: Intervention phase: Designed new DS template and implemented in daily care along with other interventions bundle

Phase 3: September to December 2019: Post-intervention phase: Regular monthly audit or quality check and feedback

Definitions
- Template: A structured DS processes and framework.
- Quality: The standard of the DS measured with apriori outcome measures.
- Deficiencies: Missing or inaccurate required information on DS documentation.

Conclusion

The NICU DS quality improvement project initiative achieved the goals of improved DS quality, increased use of a standardized template for DS, and decreased the deficiencies in DS. Going forward, we plan to continue with regular audits to maintain DS quality.

## Abstract G86 Table 1

<table>
<thead>
<tr>
<th>Outcome measures (mean%)</th>
<th>Pre-Intervention Jan to May 2019</th>
<th>Intervention June to Aug 2019</th>
<th>Post Intervention Sep to Dec 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of standard DS template</td>
<td>10</td>
<td>85</td>
<td>90</td>
</tr>
<tr>
<td>Quality of DS</td>
<td>40</td>
<td>75</td>
<td>85</td>
</tr>
<tr>
<td>No deficiencies in DS</td>
<td>50</td>
<td>85</td>
<td>95</td>
</tr>
</tbody>
</table>

Conclusion

The NICU DS quality improvement project initiative achieved the goals of improved DS quality, increased use of a standardized template for DS, and decreased the deficiencies in DS. Going forward, we plan to continue with regular audits to maintain DS quality.