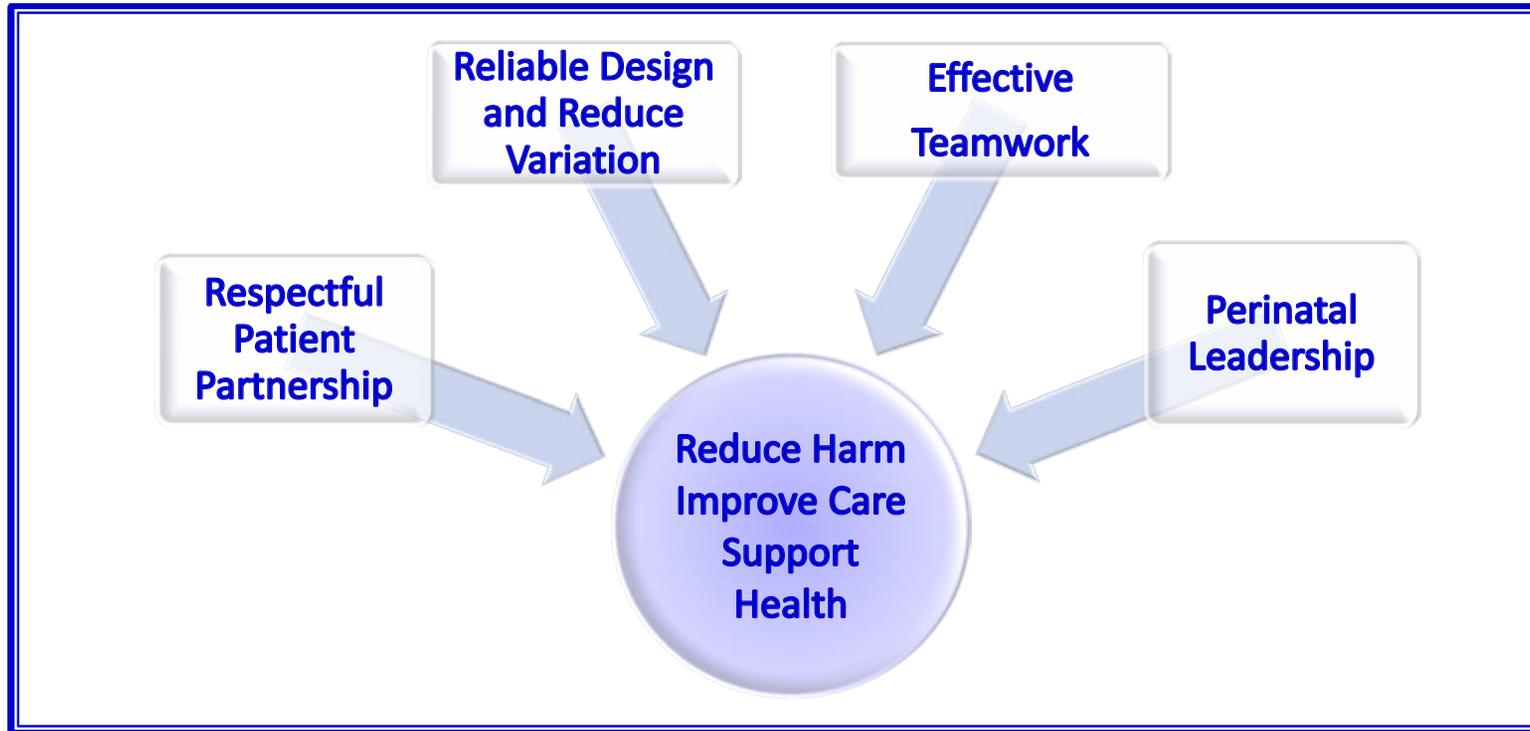


## IHI Perinatal Care Measurement Strategy



### Perinatal Improvement Community Goals

Reduce Harm to 5 or less per 100 live births

For the Year 2013-2014 Keeping Normal *Normal* for 664 families.

Zero Incident of elective deliveries prior to confirmation of fetal maturity (TJC PC.01)

Improve Nulliparous Cesarean rate to alignment with Healthy People 2020 Goal

100% of participating teams document changes in partnership of care

Advanced Bundles Composite or Compliance greater than 90%

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. ++ Also known as Advanced Elective Induction bundle +++ Also known as Indicated Induction Bundle

## IHI Perinatal Care Community Measurement Strategy

Recommended Measures			Optional Measures
Structure Assessments	Monthly Outcome & Structure Measures	Weekly or Monthly <sup>+</sup> Process Measures	Outcome, Balance or Process Measures and Structure Assessments
<b>Perinatal Deep Dive Structure* (Bi-Annual)</b>	Perinatal Harm*  Perinatal Harm Segment*	Advanced Augmentation Bundle <sup>+</sup> <u>Composite/Compliance*</u>	<p><b>Current Measures available on the Extranet:</b></p> <ul style="list-style-type: none"> <li>• Antenatal Steroids (TJC PC-03)</li> <li>• Health care-associated BSI in newborns (TJC PC-04)</li> <li>• Exclusive Breast Milk Feeding (TJC PC-05: PC-05a)</li> <li>• Cesarean and Elective Delivery (NQF)</li> <li>• Prophylactic Antibiotic in C-section (NQF)</li> <li>• Gestational Age Reliability</li> <li>• Patient and Family Satisfaction</li> <li>• Transfer to Higher Level of Care: Term Delivery</li> <li>• Time Between(Rare Event)</li> </ul> <p><b>Retired Measures available on Extranet:</b></p> <ul style="list-style-type: none"> <li>• Oxytocin Augmentation Bundle</li> <li>• Oxytocin Elective Induction Bundle</li> </ul>
	Person Centered Care (Structure/Narrative)	Advanced Non-Medically Indicated <sup>++</sup> Induction Bundle <sup>+</sup> <u>Composite /Compliance*</u>	
	Elective Delivery prior to 39 weeks Rate (TJC PC-01 )	Advanced <sup>+++</sup> Indicated Induction Bundle <sup>+</sup> <u>Composite /Compliance*</u>	
	Cesarean Rate for low-risk first birth women (TJC PC-02)	Vacuum Bundle <sup>+</sup> <u>Composite/Compliance*</u>	
	Neonate Transfer to Higher Level of Care: Elective Delivery	Neonatal Advantage Bundle <u>Composite/Compliance* (Test)</u>	

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
Category	Structure Assessments	Label & Description	Assessment Methodology	Goal	Due
			<p><b>Perinatal Deep Dive Structure*</b></p> <p>The Perinatal Deep Dive Structure Tool supports deep learning about the structure supporting a system of care. This comprehensive tool builds on the past work of the IHI Perinatal Care Oxytocin and Labor Deep Dives and now includes assessment of structure from Prenatal through Postpartum Care.</p> <p>Instructions for effective use of the tool include:</p> <ul style="list-style-type: none"> <li>• Meet with your internal improvement team to review the structure document.</li> <li>• As a team, answer the document for your first insight into your structures and collate your results (they will be added in with all results).</li> <li>• Distribute the Structure document to at least 10-15 multidisciplinary team members representing nurses (all shifts) and obstetrical care providers.</li> <li>• Collate results and enter the results into the Excel "Results Tool for the Perinatal Deep Dive".</li> <li>• Share and discuss at a team meeting- What are you doing well? What surprised you? How will this inform your Aim?</li> <li>• Post to your team homepage on the Extranet</li> </ul> <p>Links to Tools:  <a href="#">Perinatal Deep Dive Structure Tool (Word)</a>  <a href="#">Perinatal Deep Dive Structure Audit Tool (Excel)</a></p>	<p>The Perinatal Deep Dive Structure Tool supports deep learning about the structure supporting a system of care. This comprehensive tool builds on the past work of the IHI Perinatal Care Oxytocin and Labor Deep Dives and now includes assessment of structure from Prenatal through Postpartum Care.</p> <p>Instructions for effective use of the tool include:</p> <ul style="list-style-type: none"> <li>• Meet with your internal improvement team to review the structure document.</li> <li>• As a team, answer the document for your first insight into your structures and collate your results (they will be added in with all results).</li> <li>• Distribute the Structure document to at least 10-15 multidisciplinary team members representing nurses (all shifts) and obstetrical care providers.</li> <li>• Collate results and enter the results into the Excel "Results Tool for the Perinatal Deep Dive".</li> <li>• Share and discuss at a team meeting- What are you doing well? What surprised you? How will this inform your Aim?</li> <li>• Post to your team homepage on the Extranet</li> </ul> <p>Links to Tools:  <a href="#">Perinatal Deep Dive Structure Tool (Word)</a>  <a href="#">Perinatal Deep Dive Structure Audit Tool (Excel)</a></p>	<p>Identify areas for Focus. Assess for change in structure over time.</p>

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy						
Category	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due	
	Monthly Outcome Measures	<b>PH.01</b>  <b>Perinatal Harm: Rate of Adverse Events with Harm*</b>	N: Total number of Adverse Events in harm category E through I  D: Total live term births 37 weeks or above in random sample  <a href="#">IHI Global Trigger Tool Perinatal Chart Review Tool</a>	Every month, select a random sample of at least 20 coded and complete couplet records (Mom & Baby). Review the sample records using the Perinatal Adverse Event Trigger Tool*, looking for triggers. Investigate each trigger further to determine if an Adverse Event with Harm (Category E – I) did in fact occur.  Insert numerator (total number of identified Adverse Events in the harm categories E through I) and denominator (total live term births 37 weeks or above in sample) into the extranet which will then be converted into a rate per 100	5 or less per 100 live births	Monthly  (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)
		<b>PH.02</b>  <b>Perinatal Harm Segment: Rate of Adverse Events with Harm* (Test)</b>	N: Total number of Adverse Events in harm category E through I  D: Total live term births 37 weeks or above in random segment sample.  <a href="#">IHI Global Trigger Tool Perinatal Chart Review Tool Nulliparous Review Process Map</a>	Using the Nulliparous Review Process define the review segment of the PC-02 population. From this segment of the population select a random sample of at least 20 coded and complete couplet records (Mom & Baby). Review the sample records using the Perinatal Adverse Event Trigger Tool*, looking for triggers. Investigate each trigger further to determine if an Adverse Event with Harm (Category E – I) did in fact occur.  Insert numerator (total number of identified Adverse Events in the harm categories E through I) and denominator (total live term births 37 weeks or above in sample) into the extranet which will then be converted into a rate per 100		

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy						
Category	Label & Description	<u>Numerator (N)</u> <u>Denominator (D)</u>	Collection Methodology	Goal	Due	
	Monthly Outcome Measures	<b>PCC.E.O1</b> <b>Person Centered Care: Experience</b>		<b>Experience of Hospitalization</b> Document your Person Centered Care and Partnership structure and process in the monthly change report.	A patient Team Member	
		<b>ED.TJC</b> <b>Elective Delivery prior to 39 weeks Rate</b>  (TJC PC-01 )	N: Number of patients from the denominator with elective deliveries  D: Patients delivering newborns with >= 37 and < 39 weeks of gestation completed	On the last day of the month, identify your sample denominator. From this sample, count the Number of patients with elective vaginal deliveries or elective cesarean sections at >= 37 and < 39 weeks of gestation completed (numerator). Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a percentage.  As this becomes a rare event consider also calculating a time-between measure. Refer to TJC (link below) for specific inclusions or exclusions.  <a href="#">Specifications Manual for Joint Commission National Quality Core Measures (2010A1)</a>	0%	Monthly  (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy						
Category	Label & Description	<u>Numerator (N)</u> <u>Denominator (D)</u>	Collection Methodology	Goal	Due	
	Monthly Outcome Measures	<p><b>CS.TJC</b></p> <p><b>Cesarean Rate for Low risk first birth women</b></p> <p>(TJC PC.02)</p>	<p>N: Number of patients from the denominator with cesarean sections</p> <p>D: Number of nulliparous patients delivered of a live term singleton newborn in vertex presentation</p>	<p>On the last day of the month, identify your sample denominator. From this sample, count the number of patients with cesarean sections (numerator) Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a rate. Refer to TJC (link below) for specific inclusions or exclusions.</p> <p><a href="#">Specifications Manual for Joint Commission National Quality Core Measures (2010A1)</a></p>	<p>Within range of Healthy People 2020 Goal</p>	<p>Monthly (By the 15<sup>th</sup> of every month, data for the previous month should be posted)</p>
		<p><b>Trans.01.A</b></p> <p><b>Neonate Transfer to Higher Level of Care</b></p>	<p>N: Number of neonate transfers to higher level of care</p> <p>D: Number of Non-Medically Indicated deliveries prior to 39 weeks</p>	<p>On the last day of the month, identify your sample denominator (number of non-medically indicated deliveries prior to 39 weeks). From this sample, count the number of neonate transfers to higher level of care.</p> <p>Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a rate.</p>		<p>Monthly</p>

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
Category Advanced Weekly Process Measures	<b>AAB.01.a</b>  <b>Advanced Augmentation Bundle<sup>+</sup> Composite*</b>	N: Total number of the four components of the Advanced Augmentation Bundle in place and documented for the sample (5 charts)*  *Example Numerator: Chart 1 = 3 components Chart 2 = 4 components Chart 3 = 2 components Chart 4 = 4 components <u>Chart 5 = 3 components</u> Total = 16 components  D: Total number of the four components of the Augmentation Bundle possible for the total sample (4 components x 5 charts = 20)	Every week for four weeks of the month, select a random sample of 5 charts of patients who have delivered and received an augmentation of labor. Review the five records for the four components of the Advanced Augmentation Bundle: <ul style="list-style-type: none"> <li>• Documentation of Estimated Fetal Weight (EFW)</li> <li>• Pelvic Assessment</li> <li>• Recognition and management of tachysystole</li> <li>• Recognition and management of FHR Status (Category I-normal Exclusion of Category III FHR)</li> </ul> For the numerator, add the total number of the four components of the Advanced Augmentation Bundle in place and documented for the sample (5 charts).* The denominator is the total number of components (4) times the total number of charts reviewed in that month (20) Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage. When a rate of 95% is consistently achieved, convert to the Advanced Augmentation Bundle Compliance measure.	95% or >	Post q week
		<a href="#">Advanced Augmentation Bundle Composite Data Collection Tool</a>			

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
Category Advanced Weekly Process Measures	<b>AAB.01.b</b>  <b>Advanced Augmentation Bundle<sup>+</sup> Compliance*</b>	N: Total number of charts that have all four components of the Augmentation Bundle in place and documented for the sample*  D: Total number of the sampled charts (5 charts)	Every week for four weeks of the month, select a random sample of 5 charts of patients who have delivered and received an augmentation of labor. Review the five records for the four components of the Advanced Augmentation Bundle: <ul style="list-style-type: none"> <li>• Documentation of Estimated Fetal Weight (EFW)</li> <li>• Pelvic Assessment</li> <li>• Recognition and management of tachysystole</li> <li>• Recognition and management of FHR Status (category I-normal Exclusion of Category III FHR)</li> </ul>	95% or >	Post q Week
		*This is an "all or nothing" indicator. If any of the five elements of the bundle are not documented, do not count the patient in the numerator.	For the numerator, add the total number of charts that have all four components of the Advanced Augmentation Bundle in place and documented for the sample (5 charts). * If even one element of the bundle is missing, the case is not in compliance with the bundle. For example, if there are 3 of the 5 patients who have all four bundle elements completed then there is 60 percent (3 divided by 5) compliance with the Advanced Augmentation Bundle.  Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage. <a href="#">Advanced Augmentation Bundle Compliance Data Collection Tool</a>		

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy				
Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
<p><b>NIIB.01.a</b></p> <p><b>Advanced Non-Medically Indicated<sup>++</sup> Induction Bundle<sup>+</sup> Composite*</b></p>	<p>N: Total number of the four components of the Non-Medically Indicated Induction Bundle in place and documented for the sample (5 charts)*</p> <p>*Example Numerator: Chart 1 = 3 components Chart 2 = 4 components Chart 3 = 2 components Chart 4 = 4 components <u>Chart 5 = 3 components</u> Total = 16 components</p> <p>D: Total number of the four components of the non-medically indicated Induction Bundle possible for the sample (4 components x 5 charts = 20)</p> <p><b>Defined:</b> Patient without a medical indication for delivery between 39 and 40+6 weeks gestational age</p>	<p>Every week for four weeks of the month, select a random sample of 5 charts of patients who have delivered after a non-medically indicated induction. Review the five records for the four components of the Advanced Non-Medically Indicated Induction Bundle:</p> <ul style="list-style-type: none"> <li>• Confirmation of term gestation</li> <li>• Pelvic Assessment Favorable Bishop Score *(locally defined)</li> <li>• Recognition and management of complications of induction method (including tachysystole)</li> <li>• Recognition and management of FHR Status (Category I - normal)</li> </ul> <p>For the numerator, add the total number of the four components of the Advanced Non-Medically Indicated Induction bundle in place and documented for the sample (5 charts). The denominator should be 20 each week.</p> <p>Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage. When a rate of 95% is consistently achieved, convert to the Advanced Non-Medically Indicated Induction Bundle Compliance measure. <a href="#">Advanced Non-Medically Indicated Induction Composite Data Collection Tool</a></p>	95% or >	Post q week

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. ++ Also known as Advanced Elective Induction bundle +++ Also known as Indicated Induction Bundle

Category	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
	Advanced Weekly Process Measures	<p><b>ANIIB.01.b</b></p> <p><b>Advanced Non-Medically Indicated<sup>++</sup> Induction Bundle<sup>+</sup> Compliance*</b></p>	<p>N: Total number of charts that have all four components of the Non-Medically Indicated Induction Bundle in place and documented for the sample*</p> <p>D: Total number of the sampled charts (5 charts)</p> <p>*This is an "all or nothing" indicator. If any of the elements of the bundle are not documented, do not count the patient in the numerator.</p> <p><b>Defined:</b> Patient without a medical indication for delivery between 39 and 40+6 weeks gestational age</p>	<p>Every week for four weeks of the month, select a random sample of 5 charts of patients who have delivered after a non-medically indicated induction. Review the five records for the four components of the Advanced Non-Medically Indicated Induction Bundle:</p> <ul style="list-style-type: none"> <li>• Confirmation of term gestation</li> <li>• Pelvic Assessment Favorable Bishop Score *(locally defined)</li> <li>• Recognition and management of complications of induction method (including tachysystole)</li> <li>• Recognition and management of FHR Status (Category I - normal)</li> </ul> <p>For the numerator, add the total number of charts that have all four components of the Advanced Non-Medically Indicated Induction bundle in place and documented for the sample (5 charts).* If even one element of the bundle is missing, the case is not in compliance with the bundle. For example, if there are 3 of the 5 patients who have all four bundle elements completed then there is 60 percent (3 divided by 5) compliance with the Non-Medically Indicated Induction Bundle.</p> <p>Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage.  <a href="#">Advanced Non-Medically Indicated Induction Compliance Data Collection Tool</a></p>	95 % or >

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
	Label & Description	<u>Numerator (N)</u> <u>Denominator (D)</u>	Collection Methodology	Goal	Due
Category Advanced Weekly Process Measures	<p><b>AIIB.01.a</b></p> <p><b>Advanced <sup>+++</sup> Indicated Induction Bundle<sup>+</sup> Composite*</b></p>	<p>N: Total number of the four components of the Indicated Induction Bundle in place and documented for the sample (5 charts)*</p> <p>*Example Numerator: Chart 1 = 3 components Chart 2 = 4 components Chart 3 = 2 components Chart 4 = 4 components <u>Chart 5 = 3 components</u> Total = 16 components</p> <p>D: Total number of the four components of the Indicated Induction Bundle possible for the sample (4 components x 5 charts = 20)</p>	<p>Every week for four weeks of the month, select a random sample of 5 charts of patients who have delivered after an indicated induction of labor. Review the five records for the four components of the Advanced Indicated Induction Bundle:</p> <ul style="list-style-type: none"> <li>• Acceptable medical indication for labor induction documented (locally defined)</li> <li>• Pelvic Assessment</li> <li>• Recognition and management of complications of induction method (including tachysystole)</li> <li>• Recognition and management of FHR Status (Exclusion of Category III FHR)</li> </ul> <p>For the numerator, add the total number of the four components of the Advanced Indicated Induction bundle in place and documented for the sample (5 charts). The denominator should be 20 each week.</p> <p>Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage. When a rate of 95% is consistently achieved, convert to the Compliance measure.</p> <p><a href="#">Advanced Indicated Induction Composite Data Collection Tool</a></p>	95% or >	Post q week

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy						
Category	Advanced Weekly Process Measures	Numerator (N) Denominator (D)		Collection Methodology	Goal	Due
		<p><b>AIIB.01.b</b></p> <p><b>Advanced<sup>+++</sup> Indicated Induction Bundle<sup>+</sup> Compliance*</b></p>	<p>N: Total number of charts that have all four components of the Indicated Induction Bundle in place and documented for the sample*</p> <p>D: Total number of the sampled charts (5 charts)</p> <p>*This is an "all or nothing" indicator. If any of the elements of the bundle are not documented, do not count the patient in the numerator.</p> <p>Indicated Induction Composite Data Collection Tool</p>	<p>Every week for four weeks of the month, select a random sample of 5 charts of patients who have delivered after an indicated induction of labor Review the five records for the four components of the Advanced Indicated Induction Bundle:</p> <ul style="list-style-type: none"> <li>• Acceptable medical indication for labor induction documented (locally defined)</li> <li>• Pelvic Assessment</li> <li>• Recognition and management of complications of induction method (including tachysystole)</li> <li>• Recognition and management of FHR Status (Exclusion of Category III FHR)</li> </ul> <p>For the numerator, add the total number of charts that have all four components of the Advanced Indicated Induction bundle in place and documented for the sample (5 charts).* If even one element of the bundle is missing, the case is not in compliance with the bundle. For example, if there are 3 of the 5 patients who have all four bundle elements completed then there is 60 percent (3 divided by 5) compliance with the Indicated Induction Bundle.</p> <p>Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage.  <a href="#">Advanced Indicated Induction Compliance Data Collection Tool</a></p>	95 % or >	Post q Week

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
<b>Category</b> <b>Advanced Weekly Process Measures</b>	<b>VB.01.a</b> <b>Vacuum Bundle<sup>+</sup></b> <b>Composite*</b>	<p>N: Total number of the 5 components of the Vacuum Bundle in place and documented for the sample (5 charts)*</p> <p>*Example Numerator:  Chart 1 = 3 components  Chart 2 = 5 components  Chart 3 = 2 components  Chart 4 = 4 components  Chart 5 = 3 components  <u>Total = 17 components</u></p> <p>D: Total number of the 5 components of the Vacuum Bundle possible for the sample ( 5 components x 5 charts = 25)</p>	<p>Every week for four weeks of the month, select a random sample* of 5 charts of patients who have experienced use of a vacuum during delivery. Review the 5 records for the five components of the Vacuum Bundle:</p> <ul style="list-style-type: none"> <li>• Alternative Labor Strategies</li> <li>• Prepared Patient</li> <li>• High Probability of Success</li> <li>• Maximum # Application and Pop-offs predetermined</li> <li>• Exit strategy available.</li> </ul> <p>For the numerator, add the total number of the five components of the Vacuum Bundle in place and documented for the sample (5 charts).* The denominator should be 25 each week.</p> <p>Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage. When a rate of 95% is consistently achieved, convert to the Vacuum Bundle Compliance measure.</p> <p><a href="#">Vacuum Bundle Composite Collection Tool</a></p> <p>*Random if possible, if volume is too low then design volume appropriate sample strategy or perform 100% review.</p>	95% or >	Post q week

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
<b>Category</b> <b>Advanced Weekly Process Measures</b>	<b>VB.01.b</b> <b>Vacuum Bundle<sup>+</sup></b> <b>Compliance*</b>	<p>N: Total number of charts that have all 5 components of the Vacuum Bundle in place and documented for the sample*</p> <p>D: Total number of the sampled charts (5 charts)</p> <p>*This is an "all or nothing" indicator. If any of the five elements of the bundle are not documented, do not count the patient in the numerator.</p>	<p>Every week for four weeks of the month, select a random sample* of 5 charts of patients who have experienced use of a vacuum during delivery. Review the five records for the five components of the Vacuum Bundle:</p> <ul style="list-style-type: none"> <li>• Alternative Labor Strategies</li> <li>• Prepared Patient</li> <li>• High Probability of Success</li> <li>• Maximum # Application and Pop-offs predetermined</li> <li>• Exit strategy available</li> </ul> <p>For the numerator, add the total number of charts that have all five components of the Vacuum Bundle in place and documented for the sample (5 charts).* If even one element of the bundle is missing, the case is not in compliance with the bundle. For example, if there are 3 of the 5 patients who have all bundle elements completed then there is 60 percent (3 divided by 5) compliance with the Vacuum Bundle.</p> <p>Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage.</p> <p><a href="#">Vacuum Bundle Compliance Collection Tool</a></p> <p>*Random if possible, if volume is too low then design volume appropriate sample strategy or perform 100% review.</p>	95% or >	Post q Week

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). <sup>+</sup> These measures also have a monthly measure available. <sup>++</sup> Also known as Advanced Elective Induction bundle <sup>+++</sup> Also known as Indicated Induction Bundle

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
Category Advanced Weekly Process Measures	<p><b>NAB.01.a</b></p> <p><b>Neonatal Advantage Bundle Composite* (Test)</b></p>	<p>N: Total number of the six (or applicable#) components of the Neonatal Advantage Bundle (in place and documented for the sample (5 charts).</p> <p><i>*Example Numerator:</i>  Chart 1 = 3 components  Chart 2 = 5 components  Chart 3 = 2 components  Chart 4 = 4 components  <u>Chart 5 = 3 components</u>  Total = 17 components</p> <p><b>D:</b> Total number of the six components of the Neonatal Advantage Bundle possible for the total sample (6 components x 5 charts = 30)</p>	<p>Every week for four weeks of the month, select a random sample of 5 charts of neonates who have delivered with a gestational age &gt; or = 37 weeks. Review the 5 records for the six components of the Neonatal Advantage Bundle (NAB):</p> <ul style="list-style-type: none"> <li>• NRP appropriate (vigorous infant at term (37 -41 weeks gestation))</li> <li>• Identification of risk of infection/sepsis</li> <li>• Thermal Care- Skin to Skin (mother or designee)</li> <li>• Delayed cord clamping- pulsation stops</li> <li>• Breastfeeding Initiation</li> <li>• Delayed bath- bath not done in first hour of life</li> </ul> <p>For the numerator, add the total number of the six components of the NAB in place and documented for the sample (5 charts).* The denominator should be 30 each week.</p> <p>Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage. When a rate of 95% is consistently achieved, convert to the Neonatal Advantage Bundle Compliance measure.</p> <p><a href="#">Neonatal Advantage Bundle Composite Collection Tool</a></p>	95% or >	Post q week

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
Category Advanced Weekly Process Measures	<p><b>NAB.01.b</b></p> <p><b>Neonatal Advantage Bundle Compliance* (Test)</b></p>	<p>N: Total number of charts that have all 6 components of the Neonatal Advantage Bundle in place and documented for the sample*</p> <p>D: Total number of the sampled charts (5 charts)</p> <p>*This is an "all or nothing" indicator. If any of the six elements of the bundle are not documented, do not count the patient in the numerator.</p>	<p>Every week for four weeks of the month, select a random sample of 5 charts of neonates who have delivered with a gestational age &gt; or = 37 weeks. Review the 5 records for the six components of the Neonatal Advantage Bundle (NAB):</p> <ul style="list-style-type: none"> <li>• NRP appropriate (vigorous infant at term (37 - 41 weeks gestation))</li> <li>• Identification of risk of infection/sepsis</li> <li>• Thermal Care- Skin to Skin (mother or designee))</li> <li>• Delayed cord clamping- pulsation stops</li> <li>• Breastfeeding Initiation</li> <li>• Delayed bath- bath not done in first hour of life</li> </ul> <p>For the numerator, add the total number of charts that have all six components of the NAB in place and documented for the sample (5 charts). * If even one element of the bundle is missing, the case is not in compliance with the bundle. For example, if there are 3 of the 5 patients who have all bundle elements completed then there is 60 percent (3 divided by 5) compliance with the Neonatal Advantage Bundle.</p> <p>Insert numerator and denominator of the sample into the extranet each week. The extranet will convert the numerator and denominator into a percentage.</p> <p><a href="#">Neonatal Advantage Bundle Compliance Collection Tool</a></p>	95% or >	Post q Week

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
	Label & Description	<u>Numerator (N)</u> Denominator (D)	Collection Methodology	Goal	Due
Category Advanced Monthly Process Measures	<b>AAB.02 Advanced Augmentation Bundle Monthly Compliance*</b>	N = Total number of charts that have all four components of the Advanced Augmentation Bundle in place and documented for the sample*  D: Total number of the sampled charts (20 charts)	On the last day of the month, select a random sample of 20 charts from patients who have delivered this month and fit the bundle population and focus of measure. Review the 20 records for the components of the appropriate bundle.  Or continue the weekly process—every week for four weeks of the month, select a random sample of 5 charts of patients who have delivered this month and fit the bundle population given focus of measure. And add all samples together for the monthly total.	95% or >	Monthly (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)
	<b>ANIB.02 Advanced Non-Medically Indicated Bundle Monthly Compliance*</b>	N: Total number of charts that have all four components of the Advanced Non-Medically Indicated Bundle in place and documented for the sample*  D: Total number of the sampled charts (20 charts)	Insert the numerator and denominator of the monthly sample into the extranet each month. The extranet will convert the numerator and denominator into a percentage. This is a compliance (all or nothing) indicator. If any of the elements of the bundle are not documented, do not count the patient in the numerator.		

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy						
Category	Label & Description	<u>Numerator (N)</u> <u>Denominator (D)</u>	Collection Methodology	Goal	Due	
	Advanced Monthly Process Measures	<b>AIIB.02 Advanced Indicated Induction Bundle Monthly Compliance*</b>	N: Total number of charts that have all four components of the Advanced Indicated Bundle in place and documented for the sample*  D: Total number of the sampled charts (20 charts)	On the last day of the month, select a random sample of 20 charts from patients who have delivered this month and fit the bundle population and focus of measure. Review the 20 records for the components of the appropriate bundle.  Or continue the weekly process—every week for four weeks of the month, select a random sample of 5 charts of patients who have delivered this month and fit the bundle population given focus of measure. And add all samples together for the monthly total.	95% or >	Monthly (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)
		<b>VB.02 Vacuum Bundle Monthly Compliance*</b>	N: Total number of charts that have all five components of the Vacuum Bundle in place and documented for the sample*  D: Total number of the sampled charts (20 charts)	Insert the numerator and denominator of the monthly sample into the extranet each month. The extranet will convert the numerator and denominator into a percentage. This is a compliance (all or nothing) indicator. If any of the elements of the bundle are not documented, do not count the patient in the numerator.		

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

## OPTIONAL MEASURES

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
Category Optional Outcome and Process Measures	Label & Description	<u>Numerator (N)</u> <u>Denominator (D)</u>	Collection Methodology	Goal	Due
	<b>Antenatal Steroids</b> (TJC PC-03)	N: Number of patients from the denominator with antenatal steroid therapy initiated prior to delivering preterm newborns  D: Number of patients delivering live preterm newborns with $\geq 24$ and $< 32$ weeks gestation completed	On the last day of the month, identify your sample denominator (D). From this sample, count the number of patients with antenatal steroid therapy initiated prior to delivering preterm newborns (N). Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a percent. Refer to TJC (link below) for specific inclusions or exclusions.  <u>Specifications Manual for Joint Commission National Quality Core Measures (2010A1)</u>		Monthly  (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)
	<b>Health care-associated Blood Stream Infections In Newborns</b> (TJC PC-04)	N: Number of newborns from the denominator with septicemia or bacteremia.  D: Number of liveborn newborns.	On the last day of the month, identify your sample denominator (D). From this sample, count the number of newborns with septicemia or bacteremia (N). Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a percent. Refer to TJC (link below) for specific inclusions or exclusions.  <u>Specifications Manual for Joint Commission National Quality Core Measures (2010A1)</u>		Monthly  (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy					
Category Optional Outcome and Process Measures	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
	<b>Exclusive Breast Milk Feeding</b>  (TJC PC-05)	N: Number of newborns from the denominator that were fed breast milk only since birth  D: Number of single term newborns discharged alive from the hospital	On the last day of the month, identify your sample denominator (D). From this sample, count the number of newborns from the denominator that were fed breast milk only since birth (N). Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a percent. Refer to TJC (link below) for specific inclusions or exclusions. <u><a href="#">Specifications Manual for Joint Commission National Quality Core Measures (2010A1)</a></u>		Monthly (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)
	<b>Exclusive Breast Milk Feeding(a)</b>  (TJC PC-05a)	N: Number of newborns from the denominator that were fed breast milk only since birth  D: Number of single term newborns discharged alive from the hospital excluding those whose mothers chose not to breast feed	On the last day of the month, identify your sample denominator (D). From this sample, count the number of newborns from the denominator that were fed breast milk only since birth (N). Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a percent. Refer to TJC (link below) for specific inclusions or exclusions. <u><a href="#">Specifications Manual for Joint Commission National Quality Core Measures (2010A1)</a></u>		Monthly (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

IHI Perinatal Care Community Measurement Strategy						
Category	Label & Description	<u>Numerator (N)</u> <u>Denominator (D)</u>	Collection Methodology	Goal	Due	
	Optional Outcome and Process Measures	<b>CS.NQF</b> <b>Cesarean Rate for Low risk first birth women</b> <b>NQF</b>	N: Number of patients from the denominator that had a cesarean birth  D: Number of live births at or beyond 37.0 weeks gestation that are having their first delivery and are singleton ( not twins or beyond) and vertex presentation ( no breech or transverse positions)	On the last day of the month, identify your sample denominator (all live births at or beyond 37.0 weeks gestation that are having their first delivery and are singleton (not twins or beyond) and vertex presentation (no breech or transverse positions)). From this sample, count the number of number of patients from the denominator that had a cesarean birth. Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a rate.  <u>NQF National Consensus for Perinatal Care 008</u>		Monthly  (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)
		<b>ED.NQF</b> <b>Elective Delivery Rate prior to 39 weeks</b> <b>NQF</b>	N: Number of babies from the denominator electively delivered prior to 39 completed weeks gestation  D: Number of singletons delivered at greater than or equal to 37 completed weeks gestation*	On the last day of the month, identify your sample denominator. From this sample, count the number of babies electively delivered prior to 39 completed weeks gestation (numerator). Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a percentage. <u>NQF National Consensus for Perinatal Care 2008</u>	0%	Monthly  (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

Perinatal Care Optional Measurement Strategy					
Category	Label & Description	<u>Numerator (N)</u> <u>Denominator (D)</u>	Collection Methodology	Goal	Due
	<p><b>PA.01</b></p> <p><b>Prophylactic Antibiotic in C-section (NQF)</b></p>	<p><b>N:</b> Number of patients who received prophylactic antibiotics within one hour prior to surgical incision or at the time of delivery.</p> <p><b>D:</b> All patients undergoing cesarean section without evidence of prior infection or already receiving prophylactic antibiotics for other reasons (see NQF measures for exclusions)  <a href="#">NQF National Consensus for Perinatal Care 2008</a></p>	<p>On the last day of the month, identify your sample denominator (all patients undergoing cesarean section without evidence of prior infection or already receiving prophylactic antibiotics for other reasons). From this sample, count the number of patients from the denominator who received prophylactic antibiotics within one hour prior to surgical incision or at the time of delivery. Insert numerator and denominator of the sample into the extranet each month. The extranet will convert the numerator and denominator into a rate.</p> <p>Please annotate if the antibiotic selection is consistent with current evidence and practice guidelines.</p>	100%	<p>Monthly</p> <p>(By the 15<sup>th</sup> of every month, data for the previous month should be posted)</p>

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

Perinatal Care Optional Measurement Strategy					
Category Optional Outcome and Process Measures If test measure will be indicated in title.	Label & Description	<u>Numerator (N)</u> <u>Denominator (D)</u>	Collection Methodology	Goal	Due
	<b>PCC.S.O1 Patient Center Care: Satisfaction</b>		<b>Patient Satisfaction with Care</b> Quantitative unit specific survey asking questions regarding satisfaction with actions and behavior of staff, such as courtesy and respect, listening carefully, and explaining things in an understandable manner. Consider using HCAHPS		Monthly (By the 15 <sup>th</sup> of every month, data for the previous month should be posted)
	<b>Time Between measure</b>	Number: Time between an event or indicator being measured. i.e. time between Elective Delivery prior to 39 weeks.	Insert data on occurrence. Extranet will calculate time between. Contact Improvement Advisor to set up specific measure not already formatted on the extranet.		Upon each occurrence
	<b>Trans.01.B Number of Neonate Transfers (Neonate)- ALL (Test)</b>	N: Number of all liveborn neonate transfers to higher level of care	On the last day of the month count the number of all live born neonate transfers to a higher level of care. Include those first admitted to Nursery and then transferred.		

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

Perinatal Care Optional Measurement Strategy					
Category	Label & Description	Numerator (N) Denominator (D)	Collection Methodology	Goal	Due
	Optional Outcome and Process Measures If test measure will be indicated in title.	<b>GAR.01</b> <b>Gestational Age Reliability</b>	<b>N:</b> Number of patients from the denominator with documentation of optimal criteria*  <b>D:</b> Number of patients scheduled for delivery	Develop a consistent process for schedule of delivery and documentation of optimal criteria for gestational age reliability. On the last day of the week or month, count the total number of patients schedule for delivery. This is the denominator (D). From denominator (D), count the number of patients with documentation of optimal criteria*  Insert numerator and denominator of the sample into the extranet each week or month. The extranet will convert the numerator and denominator into a rate.  Optimal Criteria: * a) Ultrasound measurement at less than 20 weeks of gestation supports gestational age of 39 weeks or greater  b) Fetal heart tones have been documented as present for 30 weeks by Doppler. Ultra-sonography (electronic hand-held doppler fetoscope ultrasonography, not doppler ultrasound on an ultrasound machine)  c) It has been 36 weeks since a positive serum or urine human chorionic gonadotropin pregnancy test result	100%

\* These assessments or measures have associated tools. These tools are located in the same file folder as this document on the extranet. This document also contains electronic links to the tool documents (also see appendix). + These measures also have a monthly measure available. \*\* Also known as Advanced Elective Induction bundle \*\*\* Also known as Indicated Induction Bundle

## Links to Tool Documents or Operational Definitions

[Perinatal Deep Dive Structure Tool \(Word\)](#)  
[Perinatal Deep Dive Structure Audit Tool \(Excel\)](#)

[IHI Global Trigger Tool](#)  
[Perinatal Chart Review Tool](#)

[Nulliparous Review Process Map](#)

[Specifications Manual for Joint Commission National Quality Core Measures \(2010A1\)](#)

[Advanced Augmentation Bundle Composite Data Collection Tool](#)  
[Advanced Augmentation Bundle Compliance Data Collection Tool](#)

[Advanced Non-Medically Indicated Induction Composite Data Collection Tool](#)  
[Advanced Non-Medically Indicated Induction Compliance Data Collection Tool](#)

[Advanced Indicated Induction Composite Data Collection Tool](#)  
[Advanced Indicated Induction Compliance Data Collection Tool](#)

[Vacuum Bundle Composite Collection Tool](#)  
[Vacuum Bundle Compliance Collection Tool](#)

[Neonatal Advantage Bundle Composite Collection Tool](#)  
[Neonatal Advantage Bundle Compliance Collection Tool](#)

[NQF National Consensus for Perinatal Care 008](#)