



# **2014 NCC Content Validation Task Analysis Study**

## **Maternal Newborn Nursing Examination**

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## **1. Background and Overview**

The purpose of the content validation/task analysis study is to describe the domain of practice, knowledge, skills and abilities that are essential to the maternal newborn nurse (MNN)

The data collected from the content validation/task analysis study is used to identify content to be included in the MNN certification examination for maternal newborn nurses and to insure skills, knowledge and abilities of those engaging in maternal newborn nursing practice are reflected in the NCC testing process.

The focus of the Maternal Newborn Nurse certification is to demonstrate the special knowledge of the maternal newborn nurse

NCC content team members, a geographically diverse group representing both academic and clinical practice venues, were charged with development of the tasks as associated with existing exam content outlines. NCC leadership for content teams can be found at <http://www.nccwebsite.org/NCC-Leadership.aspx>.

In addition, over the past year NCC delivered a post-exam feedback survey to MNN examinees to evaluate that the content on the exam reflects their current practice. All MNN examinees received the post-exam survey regardless of pass/fail results.

## **2. Development process**

With psychometric consultation, the knowledge competencies and tasks/skills/interventions identified by the content team were formulated into a survey instrument. Questions asked for each knowledge component or domain for query centered on factors affecting maternal/neonatal outcomes, maternal assessment and management of the postpartum period, newborn assessment and management and aspects of professional practice including:

- Demographics and Practice Characteristics of certified maternal newborn nurses
- Frequency and Criticality of Patient Care
- Skills

In preparation of survey development the content team reviewed the current NCC competency statements and general and detailed exam content outlines for the MNN examination. The content team identified essential knowledge, skills and abilities for this core examination and identified competencies and practice skills of the maternal newborn nurse. General discussion on how current competency statements and content included in the exam outline related to the professional literature was also initiated. Based on this discussion, the content team prioritized the list of tasks/skills. In addition to this the following documents were reviewed:

- Standards for Professional Nursing Practice in the Care of Women and Newborns, 7<sup>th</sup> Edition, 2009 AWHONN
- Scope and Standards of Advanced Practice Registered Nurses, American Nurses' Association (ANA)
- Neonatal Nursing: Clinical Competencies and Educational Guide, 6<sup>th</sup> Edition, AWHONN
- Pertinent literature review

The MNN Content Team based on the document review identified competencies and practice skills of the maternal newborn nurse. General discussion on the recently developed competency statements and content included in the exam outline was also initiated. After general discussion, the related tasks and skills associated with the specific content area were identified and prioritized

### **3. Data Collection**

Proprietary software was used for survey deployment and aggregate data compilation from survey responses. All NCC certified maternal newborn nurses with a valid email address (6080) were notified by email contact and a general invitation to participate was posted on the NCC website. To encourage participation constituents could earn CE if they completed the survey. This resulted in over a 100% increase in survey responses from the 2009 survey. 1147 participated in the current content validation survey, which provided a 19% response rate.

A copy of the content validation survey can be found in Exhibit 1 and the survey results can be found in Exhibit 2. New items included in the content validation survey were validation of the core competency statements for the MNN examination and invitations to survey takers to identify content or competencies that were not addressed in the survey.

Additionally, post-exam surveys were sent to recent examinees asking them to rate the applicability of the content tested to their practice. Participation was voluntary and was offered to all who took the exam regardless of pass or fail outcomes. A copy of the post-exam feedback survey can be found in Exhibit 3.

### **4. Survey Results and Review**

Overall, the content validation analysis demonstrated extremely high ratings of the content included on the exam and the stated competency statements. The survey results can be found in Exhibit 2. Survey demographics reported that 90% of maternal newborn nurses who took the survey work in a hospital setting designated most of the time as level II (30%) or Level III (43%). Nineteen percent of responders held either a masters or doctoral degree while 53% held a BSN and 28% had an Associate or diploma degree. Seventy-eight percent work as staff nurses with others mostly in education (4%) or management (7%). The majority of participants had over 15 years of practice (48%) and on average worked 35-45 hours a week (59%). Participants represented a broad demographic region from 50 different states. Certification was reported to be required by the employer for 8% of maternal newborn nurses and encouraged by employers in 75%. A financial incentive for certification was reported by 27% of respondents and 69% reported that the attained certification for personal reasons.

In reviewing the survey results the first area on the survey was the core competency review. It was found that 95-100% of survey takers felt the core competencies were essential and either a frequent expectation or critical to patient outcomes for maternal newborn nurses in their practice. Ninety-eight percent felt the competencies represented the maternal newborn nurse's practice. The majority of content was considered essential by participants and the survey was rich in comments and thought. Some items may have been considered essential but were rarely seen or done but continue to be low volume high risk areas where knowledge is essential.

Both the post-exam and the content validation surveys were reviewed at the MNN content team meeting on January 19 -20, 2015. The reviews were used to align the exam content with current maternal newborn nursing practice. The survey results underscore a few items that were discussed by the MNN content team including:

- Management of infants and mothers within a 1-4 day window is done in the majority of cases and the need to clarify the nature of knowledge expected in regard to maternal factors affecting the newborn was seen as important.
- Possible deletion of antepartum testing content based on the low designation of essentiality and

frequency was discussed.

- Coordination of primary care and community support
- Maternal drugs during pregnancy and their impact on the postpartum and neonatal course
- Understanding health literacy and cultural competence or sensitivity
- The need to test on the knowledge of high risk antepartum testing in the context that the MN nurse takes care of primarily low risk infants who have not undergone such testing was discussed. Lactation support and breast feeding were discussed as well.
- Use or lack of use of drugs by maternal child nurses such as sedatives for narcotic withdrawal and surfactant replacement therapy,
- Review of laboratory testing on the maternal population for possible consolidation and deletions
- Inclusion on how obesity as a complication affects the care of the mother in the postpartum period and neonatal outcomes
- Knowledge of screenings such as car seat, congenital hear and bilirubin testing

Several areas on the exam were not seen as essential yet were routinely done and were further discussion by the MNN content team. Some core content was not seen as essential and was rarely or never seen in respondents. Many of these topics were considered important and will remain on the exam. The following were discussed in more detail for ongoing exam inclusion and the decision was made to remove this content from the outline including:

- Lung Maturation
- Pelvic Floor Damage
- APT test
- Counseling siblings
- Perform a vaginal examination
- Kick counts
- Electrolyte imbalances
- Fungal Infections
- Rh Disease
- Surfactant replacement
- Urinalysis

New content was discussed that was outlined in the comment sections and the following was added to the exam:

- Safe sleep and Tummy Time
- Vaginal Lacerations
- Obesity and bariatric surgery mothers
- Breast milk hand expression
- Syringe feeding
- Spinal headaches
- Drugs: Nicotine patches, Methergine, Antiretrovirals, Antibiotics, Tylenol, RhoPhyllac (IV use), Hep B and HBIG
- ABO and Anti-Kell
- Sweet Ease
- CHD screening, hearing screening, Car Seat testing
- G6PD
- Neonatal I:T ratio

- Lumbar puncture
- Add cord stat in the future
- Fractured clavicles
- Domestic violence
- Marijuana in Breast Milk

In addition to the content validation, over the past year, we have surveyed new examinees to evaluate how the exam reflected on their practice and 165 completed the surveys. During this time frame 739 took the examination which provided us with a 22% response rate for the post-exam survey. The post-exam survey results can be found in Exhibit 3. Of those completing the post-exam survey 25% had been practicing 2-5 years, 26% 6-10 years and 21% for more than 20 years. Eighty-five percent of respondents are working full time providing direct patient care (93%) working mostly in level I (31%), level II (25%) and level III hospitals (38%). Seventy-eight percent of examinees reported that they were obtaining certification for professional self development. The majority of examinees felt the content areas on the exam were about right (>70%) and reflected what is applied to their daily practice (> 86%).

Overall participants believe that the exam reflects their practice and the amount of content on the examination is appropriate to their practice as well. The majority of participants felt that the core competencies were essential and a frequent expectation or critical to patient outcomes for those who practice as maternal newborn nurses. No changes were made to the content grid.

### Introduction

NCC is conducting a content validation study for the Maternal Newborn Nursing exam. This is based on previous results of past content validations, review of standards of practice, professional literature and research.

Your responses as a Certified Maternal Newborn nurse, when compiled with the responses of your peers, will impact the test outline and drive new questions for future NCC examinations. Your input will be invaluable to the content team who is responsible for test development to insure the examination continues to reflect current practice in the specialty.

Upon your completion of the Maternal Newborn Nursing content validation survey, NCC will award one (1) CE hour in the Professional Practice Core Competency. Your CE hour will be automatically recorded into your online maintenance application within 12 hours. There will be no CE certificate issued as the credit is given in recognition of your participation in this content validation process and is not transferable for other purposes.

Thank you for your help with this process.

**NCC**

### Maternal Newborn Nursing (MNN) Core Competencies

The options that will be asked for each competency include

- This competency is essential and is a frequent expectation of the Maternal Newborn nurse
- This competency is essential and critical to patient outcome for the Maternal Newborn nurse but not often performed
- This competency is not essential for the Maternal Newborn nurse
- This is not an expected competency of the Maternal Newborn nurse

**Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.

	Essential and is a frequent expectation of the Maternal Newborn nurse	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	Not essential for the Maternal Newborn nurse	Not expected of the Maternal Newborn nurse
<b>Demonstrate knowledge of physiologic, psychological and socio-cultural factors that affect the childbearing family with emphasis on the postpartum/neonatal period encompassing birth to six weeks beyond</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Recognize antepartal and intrapartal factors affecting the family in the postpartum/neonatal period</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Assess the physical status of the mother and neonate</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Assess the psychological and socio-cultural status of the childbearing family</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Analyze data to identify nursing and educational needs of the childbearing family</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Develop and implement an individualized plan for the childbearing family</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Evaluate outcomes and modify the plan as necessary</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Incorporate knowledge of current standards of practice, research, patient safety and professional issues into the nursing management of the childbearing family</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### Are these competencies in your experience

- A. Representative of the practice of the Maternal Newborn nurse  
 B. Not Representative of the practice of Maternal Newborn nurse

If you selected B, please comment on your reasons for this selection.

Are there any additional competencies that are not represented?

# Exhibit 1 Maternal Newborn Nursing (MNN)

## Factors Affecting Maternal/Neonatal Outcomes

### Antenatal Fetal Assessment

For the following fetal assessments indicate the frequency and essentiality as it relates to your review of the maternal history in management of the postpartum woman. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

### Antenatal Fetal Assessment (check all that apply)

	Essential	Routinely done	Occasionally done	Rarely done	Never done, reviewed or documented
Alpha-fetoprotein screening	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amniocentesis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biophysical profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diagnostic ultrasound	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fetal echocardiogram	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lung maturation studies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nonstress testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Triple or quad screening	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other aspects of fetal assessment routine to your practice that are not included in this list?

- Yes  
 No

If yes, please list specifics below

## Factors Affecting Maternal/Neonatal Outcomes

Indicate below the frequency, essentiality and impact on your clinical care of mothers and newborns relative to how maternal factors in the antepartum and intrapartum periods affect the care of the newborn. The focus of this section is on maternal antepartum and intrapartum factors which impact the newborn status. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

### Antepartum Factor (check all that apply)

	Essential	Routinely seen	Occasionally seen	Rarely seen	Never seen
Alcohol use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bacterial or viral infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cardiac disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cigarette smoking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



# Exhibit 1 Maternal Newborn Nursing (MNN)

Domestic violence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Elicit drug use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental hazards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hematologic disorders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heroin Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hypertension (gestational or chronic)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insulin drips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intrauterine growth restriction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Methadone therapy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiple gestation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oligo- or polyhydramnios	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Addictive Substances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Postterm pregnancy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Premature rupture of membranes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preterm labor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seizures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Selective serotonin update inhibitors (SSRIs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Intrapartum Factor (check all that apply)

	Essential	Routinely seen	Occasionally seen	Rarely seen	Never seen
Abnormal blood gases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abnormal FHR patterns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Breech or other malpresentations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cesarean delivery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cord prolapse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Induction of labor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meconium stained fluid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placenta previa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placental abruption	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Precipitous delivery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preterm labor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prolonged labor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shoulder dystocia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of anesthesia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VBAC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other patients with antepartal and intrapartal factors that affect the newborn routinely encountered in your practice and not included in this list?

Yes

No

If yes, please list specifics below

# Exhibit 1 Maternal Newborn Nursing (MNN)

## Postpartum Conditions

Indicate below the frequency and essentiality of the Postpartum Conditions listed in regard to your clinical role in providing care to women in the postpartum period. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

## Postpartum Conditions (check all that apply)

	Essential	Routinely seen	Occasionally seen	Rarely seen	Never seen
Afterpains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anemia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bladder distention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Care of the woman on magnesium sulfate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Constipation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fatigue	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HELLP syndrome	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hematoma	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hemorrhoids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hypertension	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insulin drips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiple birth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pelvic floor damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perineal edema	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perineal lacerations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Postpartum hemorrhage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Postpartum blues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Postpartum depression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rh sensitization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seizures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sleep disturbances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thrombophlebitis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urinary incontinence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urinary retention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urinary tract infection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uterine atony	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vaginal infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wound infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other conditions related to care in the postpartum period that are routine to your practice and are not included in this list?

Yes

# Exhibit 1 Maternal Newborn Nursing (MNN)

No

If yes, please list specifics below

## Maternal Assessment and Management in the Postpartum Period

### Lactation/Newborn Feeding Issue

Indicate below the frequency and essentiality of the Lactation and Newborn Feeding issues listed as each relates to your management of the normal newborn in the first 24 hours after birth. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

### Lactation/Newborn Feeding Issue (check all that apply)

	Essential	Routinely seen	Occasionally seen	Rarely seen	Never seen
Breast engorgement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Breastfeeding the infant with abnormalities of tone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cleft lip and palate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Effects of maternal drugs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Effects of perinatal substance abuse on breastfeeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feeding tube insertion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gavage feeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insufficient milk supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Latch on problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mastitis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maternal-newborn separation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiple birth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nipple trauma	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plugged duct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other lactation or newborn feeding issues routinely seen in your management of the newborn that are not included in this list?

Yes

No

If yes, please list specifics below

## Maternal Assessment and Management in the Postpartum Period

# Exhibit 1 Maternal Newborn Nursing (MNN)

## Maternal Medications

Indicate below the frequency, essentiality on your clinical care for women in the postpartum period who are receiving the medications listed. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

### Maternal Medications (check all that apply)

	Essential	Routinely used	Occasionally used	Rarely used	Never used
<b>Analgesia/narcotics</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Antacids/GI motility drugs</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Anticoagulants</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Anticonvulsants</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Antidepressants</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Antihypertensive drugs</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Antimicrobials</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Asthma medications</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Diuretics</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Magnesium sulfate</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Sedatives/hypnotics</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Are there other routinely used medications in your management of women in the postpartum period that are not included in this list?**

- Yes  
 No

**If yes, please list specifics below**

## Newborn Assessment and Management

### Newborn Conditions

Indicate below the frequency and essentiality of the Newborn Conditions listed as each relates to your management of the normal newborn in the first 24 hours after birth. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

### Newborn Conditions (check all that apply)

	Essential	Routinely seen	Occasionally seen	Rarely seen	Never seen
<b>Anemia</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Apnea</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# Exhibit 1 Maternal Newborn Nursing (MNN)

Bacterial infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Benign skin disorders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Birth injuries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brachial plexus injuries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caput succedaneum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cardiac disease and anomalies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cephalohematoma	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Congenital hip dislocation/dysplasia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drug exposed infant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrolyte imbalance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fungal infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Genetic disorders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GI anomalies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GI obstructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GU abnormalities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hyperbilirubinemia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hypoglycemia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infant of a diabetic mother	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jitteriness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meconium aspiration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pneumothorax	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Polycythemia/hyperviscosity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rh disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seizures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sepsis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STD infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subgaleal hemorrhage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thrombocytopenia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transient tachypnea of the newborn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Viral infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other newborn conditions routinely seen in your management of the newborn that are not included in this list?

- Yes  
 No

If yes, please list specifics below

## Newborn Assessment and Management

### Newborn Medications

Indicate below the frequency, essentiality on your clinical care of newborns who are receiving the medications listed. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** -an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

# Exhibit 1 Maternal Newborn Nursing (MNN)

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

## Newborn Medications (check all that apply)

	Essential	Routinely used	Occasionally used	Rarely used	Never used
<b>Analgesia/narcotics</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Antimicrobials</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Resuscitation drugs</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Sedatives for narcotic withdrawal</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Surfactant replacement therapy</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Vaccinations</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Vitamins</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other medications routinely used in your management of newborns that are not included in this list?

- Yes  
 No

If yes, please list specifics below

## Laboratory Testing

### Maternal-Newborn

For the following tests, indicate the frequency, essentiality and applicability to your clinical practice as it relates to the specific use of laboratory tests in providing care to mothers and newborns. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

### Maternal (check all that apply)

	Essential	Routinely done	Occasionally done	Rarely done	Never done	Don't do postpartum care	Interpret Results
<b>Apt test</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Blood Culture</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>CBC</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Coagulation studies</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Coombs testing</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>CRP</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Hepatitis</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>HIV</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>GBS</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Kleihauer-Betke</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Platelet count</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Rh typing</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# Exhibit 1 Maternal Newborn Nursing (MNN)

RPR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urinalysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
White blood count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Newborn** (check all that apply)

	Essential	Routinely done	Occasionally done	Rarely done	Never done	Don't do newborn care	Interpret Results
Bilirubin levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blood Culture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calcium levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CBC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coombs testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CRP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glucose levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrolyte levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hematocrit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hemoglobin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meconium drug	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Newborn screening tests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Platelet count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reticulocyte count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urinalysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urine drug	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
White blood count with differential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other laboratory tests routinely used in your care of mothers and newborns that are not included in this list?

Yes

No

If yes, please list specifics below

## Skills

Of the skills and assessments listed, please indicate the frequency, essentiality and applicability of each skill to your Maternal Newborn nursing practice. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

**Specified Skills - Maternal/Parental Focus** (check all that apply)

	Essential	Routinely done	Occasionally done	Rarely done	Never done
Administer pain medication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Auscultate lung sounds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# Exhibit 1 Maternal Newborn Nursing (MNN)

Auscultate maternal bowel sounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bladder scan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Catheterization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Counsel siblings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about anticipated maternal physiologic changes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about benefits of breastfeeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about breast care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about breastfeeding technique and timing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about contraception options	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about contraindications to breastfeeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about expressing breast milk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about lactation physiology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about nutritional requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about postpartum exercises	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educate about resumption of sexual activity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Measure fundal height	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Measure intake and output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor patients for breastfeeding problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor patients to confirm successful breastfeeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor uterine involution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Observe for parent-infant attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Observe lochia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Observe the perineum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Obtain maternal vital signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Palpate the uterus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform a vaginal exam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform DTR&apos;s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform fundal massage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform urine protein checks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prepare insulin doses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide maternal wound care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide perineal hygiene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Review maternal antenatal history	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Review maternal intrapartum history	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Take vital signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other skills that are routine to your practice and are not included in this list?

Yes

No

If yes, please list specifics below



# Exhibit 1 Maternal Newborn Nursing (MNN)

Of the skills and assessments listed, please indicate the frequency, essentiality and applicability of each skill to your Maternal Newborn nursing practice. *Note: All listings are presented in alphabetical order and the importance of the item should not be based on where it is placed on the list.*

Check the box if you consider the item essential as defined below. Leave the box blank if not essential.

- **Essential** - an expected competency that a Maternal Newborn nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Check the frequency that is most representative of your practice.

- **Routinely** - at least once a month or more
- **Occasionally** - every 2-6 months
- **Rarely** - less than 1-2 times per year

## Specified Skills - Newborn Focus (check all that apply)

	Essential	Routinely done	Occasionally done	Rarely done	Never done
Administer eye prophylaxis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Administer vitamin K	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Auscultate newborn bowel sounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Auscultate newborn heart sounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Auscultate newborn lung sounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bathe neonates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Catheterization for radiologic exams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Document neonatal care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feed neonates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manage neonatal thermoregulatory needs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manage neonates on phototherapy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Obtain neonatal vital signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform a general newborn physical exam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform a neonatal behavioral exam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform Apgar scoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform gestational age assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform heel sticks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform Ortolani maneuver	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide cord care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide education about SIDS and/or shaken baby syndrome	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide post-circumcision care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there other skills that are routine to your practice and are not included in this list?

- Yes  
 No

If yes, please list specifics below

## Professional Practice

In your opinion, which of the following professional issues are essential to the practice of a Maternal Newborn nurse.

	Yes	No
Culturally sensitive care	<input type="checkbox"/>	<input type="checkbox"/>
Ethical/legal issues	<input type="checkbox"/>	<input type="checkbox"/>
Evidence-based guidelines for practice	<input type="checkbox"/>	<input type="checkbox"/>

# Exhibit 1 Maternal Newborn Nursing (MNN)

Patient safety

Research

Are there other aspects of professional practice that are essential to your practice as a Maternal Newborn nurse that are not included in this list?

Yes

No

If yes, please list specifics below

## Current Certification Test Outline

The test outline percents below represent the weighting of content on the Maternal Newborn Nursing certification examination. Based on your experience, do these percentages adequately represent the knowledge needed for the Maternal Newborn nurse to function in today's health care environment?

	Under-represented	Over-represented	Just about right
Factors affecting maternal/neonatal outcomes at 5-10%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maternal assessment and management in the postpartum period at 40-45%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Newborn assessment and management at 40-45%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aspects of professional practice at less than 5%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The current certification exam outline is listed below.

Does this content adequately reflect the knowledge and skills applied to your daily practice?

### Factors Affecting Maternal/Neonatal Outcomes:

	Yes	No	Don't Know
Antenatal factors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intrapartal factor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Maternal Attachment and Management in the Postpartum Period:

	Yes	No	Don't Know
Physiologic changes & physical assessment (includes laboratory values)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing care and education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Lactation and newborn feeding

	Yes	No	Don't Know
Family dynamics after childbirth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complications (recognition and stabilization)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Newborn Assessment and Management:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transition to extrauterine life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physiologic changes and physical assessment (includes laboratory values)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing care and family education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complications (recognition and stabilization)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Aspects of Professional Practice

	Yes	No	Don't Know
Research	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# Exhibit 1 Maternal Newborn Nursing (MNN)

<b>Guidelines for practice</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Ethical Issues</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Legal Issues</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Patient safety</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Demographic Information

### What best describes your practice setting?

- Hospital
- Birthing Center
- Academic Setting
- Administration
- Research
- Other

#### If Other (please specify)

### If you work in a hospital, is it designated as

- Level I
- Level II
- Level III
- Not applicable
- Other

#### If Other (please specify)

### Are you employed by a

- Hospital
- Government Agency
- Private company
- Other

#### If Other (please specify)

### Highest level of education

- Doctorate - PhD
- Doctorate - DNP
- Post Master's
- Master's
- Baccalaureate
- Associate
- Diploma
- Other

#### If Other (please specify)

### What is your job title?

- Staff nurse
- Nurse Manager
- Nurse Educator
- Nursing Director
- Clinical Nurse Specialist
- Outreach coordinator
- Patient Safety Nurse

# Exhibit 1 Maternal Newborn Nursing (MNN)

- Nursing Instructor/Professor
- Researcher
- Other

**If Other (please specify)**

**How many hours a week do you work as a Maternal Newborn nurse (clinical practice, education, research and administration)**

- 46 hours of more
- 35-45 hours
- 20-34 hours
- less than 20 hours
- Not working as an Maternal Newborn nurse at this time
- Retired

**What areas does your current practice incorporate? (Check all that apply)**

- Antepartum
- Labor and Delivery
- Postpartum
- Newborn
- Other

**If Other (please specify)**

**Percentage of practice devoted to (enter whole numbers that total 100)**

- Direct patient care
- Education
- Management
- Research

**How long have you been a Maternal Newborn nurse?**

- Less than a year
- 1-5 years
- 6-10 years
- 11-15 years
- 16-20 years
- Over 20 years

**What state do you live**

**If Other (please specify)**

**Which of the following statements apply to your NCC Certification as a Maternal Newborn nurse (check all that apply)**

- Being NCC Certified is required for employment
- Being NCC Certified is encouraged
- Being NCC Certified is not required or encouraged
- There is a financial incentive tied to being NCC Certified
- There is no financial incentive tied to being NCC Certified
- My Certification as a Maternal Newborn nurse was attained for personal reasons.
- Being a Certified Maternal Newborn is tied to other employer-based recognition (please specify)

**Please specify other employer-based recognition**

# Exhibit 1 Maternal Newborn Nursing (MNN)

**In the last 24 months what new practice change(s) have been incorporated into your practice?**

- None
- Listed below

**List practice change(s) here:**

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
<b>Maternal Newborn Nursing Core Competencies</b>				
Demonstrate knowledge of physiologic, psychological and socio-cultural factors that affect the childbearing family with emphasis on the postpartum/neonatal period encompassing birth to six weeks beyond	Essential and is a frequent expectation of the Maternal Newborn nurse	1,060	83.66%	1267
	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	190	15.00%	
	Not essential for the Maternal Newborn nurse	12	0.95%	
	Not expected of the Maternal Newborn nurse	5	0.39%	
Recognize antepartal and intrapartal factors affecting the family in the postpartum/neonatal period	Essential and is a frequent expectation of the Maternal Newborn nurse	951	74.88%	1270
	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	301	23.70%	
	Not essential for the Maternal Newborn nurse	13	1.02%	
	Not expected of the Maternal Newborn nurse	5	0.39%	
Assess the physical status of the mother and neonate	Essential and is a frequent expectation of the Maternal Newborn nurse	1,199	94.86%	1264
	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	65	5.14%	
	Not essential for the Maternal Newborn nurse	0	0%	
	Not expected of the Maternal Newborn nurse	0	0%	
Assess the psychological and socio-cultural status of the childbearing family	Essential and is a frequent expectation of the Maternal Newborn nurse	879	69.76%	1260
	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	353	28.02%	
	Not essential for the Maternal Newborn nurse	28	2.22%	
	Not expected of the Maternal Newborn nurse	0	0%	
Analyze data to identify nursing and educational needs of the childbearing family	Essential and is a frequent expectation of the Maternal Newborn nurse	891	70.60%	1262
	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	310	24.56%	
	Not essential for the Maternal Newborn nurse	45	3.57%	
	Not expected of the Maternal Newborn nurse	16	1.27%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Develop and implement an individualized plan for the childbearing family	Essential and is a frequent expectation of the Maternal Newborn nurse	881	69.64%	1265
	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	329	26.01%	
	Not essential for the Maternal Newborn nurse	44	3.48%	
	Not expected of the Maternal Newborn nurse	11	0.87%	
Evaluate outcomes and modify the plan as necessary	Essential and is a frequent expectation of the Maternal Newborn nurse	938	74.44%	1260
	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	286	22.70%	
	Not essential for the Maternal Newborn nurse	28	2.22%	
	Not expected of the Maternal Newborn nurse	8	0.63%	
Incorporate knowledge of current standards of practice, research, patient safety and professional issues into the nursing management of the childbearing family	Essential and is a frequent expectation of the Maternal Newborn nurse	941	74.98%	1255
	Essential and critical to patient outcome for the Maternal Newborn nurse but not often performed	295	23.51%	
	Not essential for the Maternal Newborn nurse	16	1.27%	
	Not expected of the Maternal Newborn nurse	3	0.24%	
Are these competencies in your experience	A. Representative of the practice of the Maternal Newborn nurse	1243	98.18%	1266
	B. Not Representative of the practice of Maternal Newborn nurse	23	1.82%	
<b>Factors Affecting Maternal/Neonatal Outcomes</b>				
<b>Antenatal Fetal Assessment</b> - For the following fetal assessments indicate the frequency and essentiality as it relates to your review of the maternal history in management of the postpartum woman.				
Alpha-fetoprotein screening	Essential	369	32.63%	1131
	Routinely done	310	27.41%	
	Occasionally done	228	20.16%	
	Rarely done	171	15.12%	
	Never done, reviewed or documented	268	23.70%	
Amniocentesis	Essential	280	24.91%	1124
	Routinely done	165	14.68%	
	Occasionally done	364	32.38%	
	Rarely done	238	21.17%	
	Never done, reviewed or documented	277	24.64%	
Biophysical profile	Essential	468	41.42%	
	Routinely done	370	32.74%	

Exhibit 2 Maternal Newborn Nursing (MNN)		# per answer option	% per answer option	Total per item
Questions	Answer Options			
	Occasionally done	246	21.77%	1130
	Rarely done	83	7.35%	
	Never done, reviewed or documented	219	19.38%	
Diagnostic ultrasound	Essential	487	43.14%	1129
	Routinely done	446	39.50%	
	Occasionally done	152	13.46%	
	Rarely done	81	7.17%	
	Never done, reviewed or documented	207	18.33%	
Fetal echocardiogram	Essential	287	25.60%	1121
	Routinely done	178	15.88%	
	Occasionally done	360	32.11%	
	Rarely done	235	20.96%	
	Never done, reviewed or documented	249	22.21%	
Lung maturation studies	Essential	337	30.04%	1122
	Routinely done	205	18.27%	
	Occasionally done	361	32.17%	
	Rarely done	175	15.60%	
	Never done, reviewed or documented	256	22.82%	
Nonstress testing	Essential	592	52.67%	1124
	Routinely done	427	37.99%	
	Occasionally done	119	10.59%	
	Rarely done	66	5.87%	
	Never done, reviewed or documented	196	17.44%	
Triple or quad screening	Essential	315	28.35%	1111
	Routinely done	297	26.73%	
	Occasionally done	230	20.70%	
	Rarely done	170	15.30%	
	Never done, reviewed or documented	294	26.46%	
Are there other aspects of fetal assessment routine to your practice that are not included in this list?	Yes	41	3.90%	1051
	No	1010	96.10%	
<b>Antepartum Factor</b> - Indicate below the frequency, essentiality and impact on your clinical care of mothers and newborns relative to how maternal factors in the antepartum and intrapartum periods affect the care of the newborn. The focus of this section is on maternal antepartum and intrapartum factors which impact the newborn status.				
Alcohol use	Essential	713	63.21%	1128
	Routinely seen	206	18.26%	
	Occasionally seen	384	34.04%	
	Rarely seen	191	16.93%	
	Never seen	26	2.30%	
Bacterial or viral infections	Essential	757	67.17%	
	Routinely seen	331	29.37%	
	Occasionally seen	359	31.85%	



<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Rarely seen	69	6.12%	1127
	Never seen	15	1.33%	
Cardiac disease	Essential	620	55.26%	1122
	Routinely seen	177	15.78%	
	Occasionally seen	424	37.79%	
	Rarely seen	248	22.10%	
	Never seen	18	1.60%	
Cigarette smoking	Essential	766	67.97%	1127
	Routinely seen	500	44.37%	
	Occasionally seen	206	18.28%	
	Rarely seen	47	4.17%	
	Never seen	14	1.24%	
Domestic violence	Essential	702	62.23%	1128
	Routinely seen	182	16.13%	
	Occasionally seen	427	37.85%	
	Rarely seen	195	17.29%	
	Never seen	21	1.86%	
Elicit drug use	Essential	723	64.04%	1129
	Routinely seen	368	32.60%	
	Occasionally seen	341	30.20%	
	Rarely seen	85	7.53%	
	Never seen	16	1.42%	
Environmental hazards	Essential	518	46.46%	1115
	Routinely seen	161	14.44%	
	Occasionally seen	320	28.70%	
	Rarely seen	356	31.93%	
	Never seen	64	5.74%	
Hematologic disorders	Essential	630	55.80%	1129
	Routinely seen	206	18.25%	
	Occasionally seen	417	36.94%	
	Rarely seen	228	20.19%	
	Never seen	20	1.77%	
Heroin Use	Essential	587	52.09%	1127
	Routinely seen	174	15.44%	
	Occasionally seen	336	29.81%	
	Rarely seen	319	28.31%	
	Never seen	66	5.86%	
Hypertension (gestational or chronic)	Essential	854	75.84%	1126
	Routinely seen	574	50.98%	
	Occasionally seen	104	9.24%	
	Rarely seen	8	0.71%	
	Never seen	11	0.98%	
Insulin drips	Essential	482	43.11%	
	Routinely seen	159	14.22%	
	Occasionally seen	345	30.86%	
	Rarely seen	296	26.48%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Never seen	148	13.24%	1118
Intrauterine growth restriction	Essential	698	61.82%	1129
	Routinely seen	371	32.86%	
	Occasionally seen	389	34.46%	
	Rarely seen	57	5.05%	
	Never seen	12	1.06%	
Methadone therapy	Essential	609	54.04%	1127
	Routinely seen	276	24.49%	
	Occasionally seen	331	29.37%	
	Rarely seen	229	20.32%	
	Never seen	55	4.88%	
Multiple gestation	Essential	703	62.21%	1130
	Routinely seen	453	40.09%	
	Occasionally seen	320	28.32%	
	Rarely seen	46	4.07%	
	Never seen	12	1.06%	
Oligo- or polyhydramnios	Essential	691	61.31%	1127
	Routinely seen	428	37.98%	
	Occasionally seen	334	29.64%	
	Rarely seen	47	4.17%	
	Never seen	14	1.24%	
Other Addictive Substances	Essential	621	55.55%	1118
	Routinely seen	301	26.92%	
	Occasionally seen	349	31.22%	
	Rarely seen	174	15.56%	
	Never seen	30	2.68%	
Postterm pregnancy	Essential	708	62.77%	1128
	Routinely seen	415	36.79%	
	Occasionally seen	297	26.33%	
	Rarely seen	87	7.71%	
	Never seen	21	1.86%	
Premature rupture of membranes	Essential	765	67.64%	1131
	Routinely seen	511	45.18%	
	Occasionally seen	237	20.95%	
	Rarely seen	22	1.95%	
	Never seen	13	1.15%	
Preterm labor	Essential	757	67.59%	1120
	Routinely seen	513	45.80%	
	Occasionally seen	218	19.46%	
	Rarely seen	28	2.50%	
	Never seen	14	1.25%	
Seizures	Essential	567	50.90%	1114
	Routinely seen	110	9.87%	
	Occasionally seen	316	28.37%	
	Rarely seen	420	37.70%	
	Never seen	64	5.75%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Selective serotonin update inhibitors (SSRIs)	Essential	506	45.87%	1103
	Routinely seen	272	24.66%	
	Occasionally seen	346	31.37%	
	Rarely seen	225	20.40%	
	Never seen	84	7.62%	
<b>Intrapartum Factor</b> - Indicate below the frequency, essentiality and impact on your clinical care of mothers and newborns relative to how maternal factors in the antepartum and intrapartum periods affect the care of the newborn. The focus of this section is on maternal antepartum and intrapartum factors which impact the newborn status.				
Abnormal blood gases	Essential	456	41.42%	1101
	Routinely seen	189	17.17%	
	Occasionally seen	427	38.78%	
	Rarely seen	231	20.98%	
	Never seen	91	8.27%	
Abnormal FHR patterns	Essential	633	57.23%	1106
	Routinely seen	447	40.42%	
	Occasionally seen	273	24.68%	
	Rarely seen	59	5.33%	
	Never seen	55	4.97%	
Breech or other malpresentations	Essential	668	60.23%	1109
	Routinely seen	461	41.57%	
	Occasionally seen	282	25.43%	
	Rarely seen	35	3.16%	
	Never seen	38	3.43%	
Cesarean delivery	Essential	843	75.34%	1119
	Routinely seen	613	54.78%	
	Occasionally seen	35	3.13%	
	Rarely seen	6	0.54%	
	Never seen	28	2.50%	
Cord prolapse	Essential	582	52.15%	1116
	Routinely seen	127	11.38%	
	Occasionally seen	388	34.77%	
	Rarely seen	336	30.11%	
	Never seen	60	5.38%	
Induction of labor	Essential	776	69.53%	1116
	Routinely seen	624	55.91%	
	Occasionally seen	47	4.21%	
	Rarely seen	21	1.88%	
	Never seen	35	3.14%	
Infection	Essential	711	63.37%	1122
	Routinely seen	364	32.44%	
	Occasionally seen	345	30.75%	
	Rarely seen	72	6.42%	
	Never seen	29	2.58%	
Meconium stained fluid	Essential	733	65.33%	
	Routinely seen	491	43.76%	
	Occasionally seen	248	22.10%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Rarely seen	22	1.96%	1122
	Never seen	38	3.39%	
Placenta previa	Essential	640	57.35%	1116
	Routinely seen	227	20.34%	
	Occasionally seen	470	42.11%	
	Rarely seen	136	12.19%	
	Never seen	36	3.23%	
Placental abruption	Essential	637	56.88%	1120
	Routinely seen	157	14.02%	
	Occasionally seen	430	38.39%	
	Rarely seen	249	22.23%	
	Never seen	39	3.48%	
Precipitous delivery	Essential	677	60.50%	1119
	Routinely seen	396	35.39%	
	Occasionally seen	354	31.64%	
	Rarely seen	48	4.29%	
	Never seen	37	3.31%	
Preterm labor	Essential	722	64.64%	1117
	Routinely seen	516	46.20%	
	Occasionally seen	228	20.41%	
	Rarely seen	18	1.61%	
	Never seen	28	2.51%	
Prolonged labor	Essential	685	61.22%	1119
	Routinely seen	470	42.00%	
	Occasionally seen	271	24.22%	
	Rarely seen	33	2.95%	
	Never seen	39	3.49%	
Shoulder dystocia	Essential	622	55.64%	1118
	Routinely seen	230	20.57%	
	Occasionally seen	467	41.77%	
	Rarely seen	144	12.88%	
	Never seen	38	3.40%	
Use of anesthesia	Essential	819	73.26%	1118
	Routinely seen	583	52.15%	
	Occasionally seen	56	5.01%	
	Rarely seen	19	1.70%	
	Never seen	35	3.13%	
VBAC	Essential	630	56.81%	1109
	Routinely seen	342	30.84%	
	Occasionally seen	341	30.75%	
	Rarely seen	109	9.83%	
	Never seen	59	5.32%	
Are there other patients with antepartal and intrapartal factors that affect the newborn routinely encountered in your practice and not included in this list?	Yes	50	4.81%	1040
	No	990	95.19%	

Exhibit 2 Maternal Newborn Nursing (MNN) Questions		Answer Options	# per answer option	% per answer option	Total per item
<b>Maternal Assessment and Management in the Postpartum Period</b>					
<b>Postpartum Conditions</b> - Indicate below the frequency and essentiality of the Postpartum Conditions listed in regard to your clinical role in providing care to women in the postpartum period.					
Afterpains	Essential		999	86.27%	1158
	Routinely seen		582	50.26%	
	Occasionally seen		16	1.38%	
	Rarely seen		4	0.35%	
	Never seen		1	0.09%	
Anemia	Essential		823	71.38%	1153
	Routinely seen		560	48.57%	
	Occasionally seen		195	16.91%	
	Rarely seen		8	0.69%	
	Never seen		1	0.09%	
Bladder distention	Essential		857	74.52%	1150
	Routinely seen		384	33.39%	
	Occasionally seen		318	27.65%	
	Rarely seen		28	2.43%	
	Never seen		3	0.26%	
Care of the woman on magnesium sulfate	Essential		713	62.33%	1144
	Routinely seen		396	34.62%	
	Occasionally seen		261	22.81%	
	Rarely seen		72	6.29%	
	Never seen		89	7.78%	
Constipation	Essential		785	68.02%	1154
	Routinely seen		449	38.91%	
	Occasionally seen		272	23.57%	
	Rarely seen		39	3.38%	
	Never seen		2	0.17%	
Diabetes	Essential		849	73.38%	1157
	Routinely seen		488	42.18%	
	Occasionally seen		240	20.74%	
	Rarely seen		19	1.64%	
	Never seen		1	0.09%	
DIC	Essential		571	49.78%	1147
	Routinely seen		88	7.67%	
	Occasionally seen		303	26.42%	
	Rarely seen		502	43.77%	
	Never seen		88	7.67%	
Fatigue	Essential		851	74.19%	1147
	Routinely seen		585	51.00%	
	Occasionally seen		87	7.59%	
	Rarely seen		13	1.13%	
	Never seen		1	0.09%	
HELLP syndrome	Essential		651	56.46%	
	Routinely seen		198	17.17%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Occasionally seen	424	36.77%	1153
	Rarely seen	280	24.28%	
	Never seen	25	2.17%	
Hematoma	Essential	703	60.71%	1158
	Routinely seen	196	16.93%	
	Occasionally seen	463	39.98%	
	Rarely seen	221	19.08%	
	Never seen	7	0.60%	
Hemorrhoids	Essential	807	69.87%	1155
	Routinely seen	605	52.38%	
	Occasionally seen	143	12.38%	
	Rarely seen	9	0.78%	
	Never seen	2	0.17%	
Hypertension	Essential	874	75.74%	1154
	Routinely seen	583	50.52%	
	Occasionally seen	129	11.18%	
	Rarely seen	8	0.69%	
	Never seen	3	0.26%	
Insulin drips	Essential	424	37.26%	1138
	Routinely seen	126	11.07%	
	Occasionally seen	287	25.22%	
	Rarely seen	382	33.57%	
	Never seen	226	19.86%	
Multiple birth	Essential	723	62.54%	1156
	Routinely seen	446	38.58%	
	Occasionally seen	340	29.41%	
	Rarely seen	58	5.02%	
	Never seen	6	0.52%	
Pelvic floor damage	Essential	545	47.68%	1143
	Routinely seen	216	18.90%	
	Occasionally seen	365	31.93%	
	Rarely seen	307	26.86%	
	Never seen	54	4.72%	
Perineal edema	Essential	877	75.67%	1159
	Routinely seen	551	47.54%	
	Occasionally seen	133	11.48%	
	Rarely seen	20	1.73%	
	Never seen	6	0.52%	
Perineal lacerations	Essential	904	78.07%	1158
	Routinely seen	579	50%	
	Occasionally seen	94	8.12%	
	Rarely seen	9	0.78%	
	Never seen	3	0.26%	
Postpartum hemorrhage	Essential	811	69.67%	
	Routinely seen	335	28.78%	
	Occasionally seen	371	31.87%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Rarely seen	93	7.99%	
	Never seen	3	0.26%	1164
Postpartum blues	Essential	785	67.85%	
	Routinely seen	361	31.20%	
	Occasionally seen	319	27.57%	
	Rarely seen	115	9.94%	
	Never seen	17	1.47%	1157
Postpartum depression	Essential	731	63.34%	
	Routinely seen	212	18.37%	
	Occasionally seen	312	27.04%	
	Rarely seen	278	24.09%	
	Never seen	47	4.07%	1154
Rh sensitization	Essential	743	64.22%	
	Routinely seen	277	23.94%	
	Occasionally seen	260	22.47%	
	Rarely seen	236	20.40%	
	Never seen	65	5.62%	1157
Seizures	Essential	592	51.26%	
	Routinely seen	108	9.35%	
	Occasionally seen	232	20.09%	
	Rarely seen	522	45.19%	
	Never seen	106	9.18%	1155
Sleep disturbances	Essential	626	54.72%	
	Routinely seen	407	35.58%	
	Occasionally seen	261	22.81%	
	Rarely seen	155	13.55%	
	Never seen	33	2.88%	1144
Thrombophlebitis	Essential	611	52.85%	
	Routinely seen	131	11.33%	
	Occasionally seen	304	26.30%	
	Rarely seen	467	40.40%	
	Never seen	42	3.63%	1156
Urinary incontinence	Essential	615	53.52%	
	Routinely seen	226	19.67%	
	Occasionally seen	356	30.98%	
	Rarely seen	292	25.41%	
	Never seen	35	3.05%	1149
Urinary retention	Essential	734	63.33%	
	Routinely seen	360	31.06%	
	Occasionally seen	383	33.05%	
	Rarely seen	92	7.94%	
	Never seen	7	0.60%	1159
Urinary tract infection	Essential	647	55.92%	
	Routinely seen	232	20.05%	
	Occasionally seen	398	34.40%	
	Rarely seen	259	22.39%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Never seen	20	1.73%	1157
Uterine atony	Essential	745	64.06%	1163
	Routinely seen	292	25.11%	
	Occasionally seen	383	32.93%	
	Rarely seen	157	13.50%	
	Never seen	14	1.20%	
Vaginal infections	Essential	624	53.89%	1158
	Routinely seen	187	16.15%	
	Occasionally seen	327	28.24%	
	Rarely seen	357	30.83%	
	Never seen	56	4.84%	
Wound infections	Essential	623	54.32%	1147
	Routinely seen	139	12.12%	
	Occasionally seen	343	29.90%	
	Rarely seen	397	34.61%	
	Never seen	44	3.84%	
Are there other conditions related to care in the postpartum period that are routine to your practice and are not included in this list?	Yes	87	8.22%	1059
	No	972	91.78%	
<b>Lactation/Newborn Feeding Issue - Indicate below the frequency and essentiality of the Lactation and Newborn Feeding issues listed as each relates to your management of the normal newborn in the first 24 hours after birth.</b>				
Breast engorgement	Essential	838	73.19%	1145
	Routinely seen	352	30.74%	
	Occasionally seen	313	27.34%	
	Rarely seen	65	5.68%	
	Never seen	5	0.44%	
Breastfeeding the infant with abnormalities of tone	Essential	590	52.21%	1130
	Routinely seen	180	15.93%	
	Occasionally seen	422	37.35%	
	Rarely seen	255	22.57%	
	Never seen	39	3.45%	
Cleft lip and palate	Essential	514	45.17%	1138
	Routinely seen	89	7.82%	
	Occasionally seen	400	35.15%	
	Rarely seen	495	43.50%	
	Never seen	20	1.76%	
Effects of maternal drugs	Essential	745	65.01%	1146
	Routinely seen	394	34.38%	
	Occasionally seen	343	29.93%	
	Rarely seen	82	7.16%	
	Never seen	5	0.44%	
Effects of perinatal substance abuse on breastfeeding	Essential	722	63.17%	
	Routinely seen	313	27.38%	
	Occasionally seen	359	31.41%	
	Rarely seen	148	12.95%	



<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Never seen	18	1.57%	1143
Feeding tube insertion	Essential	408	35.98%	1134
	Routinely seen	138	12.17%	
	Occasionally seen	304	26.81%	
	Rarely seen	371	32.72%	
	Never seen	201	17.72%	
Gavage feeding	Essential	413	36.61%	1128
	Routinely seen	135	11.97%	
	Occasionally seen	333	29.52%	
	Rarely seen	351	31.12%	
	Never seen	193	17.11%	
Infections	Essential	602	53.04%	1135
	Routinely seen	206	18.15%	
	Occasionally seen	407	35.86%	
	Rarely seen	260	22.91%	
	Never seen	37	3.26%	
Insufficient milk supply	Essential	706	61.71%	1144
	Routinely seen	326	28.50%	
	Occasionally seen	399	34.88%	
	Rarely seen	112	9.79%	
	Never seen	16	1.40%	
Latch on problems	Essential	899	78.52%	1145
	Routinely seen	611	53.36%	
	Occasionally seen	77	6.72%	
	Rarely seen	7	0.61%	
	Never seen	2	0.17%	
Mastitis	Essential	594	52.24%	1137
	Routinely seen	130	11.43%	
	Occasionally seen	343	30.17%	
	Rarely seen	382	33.60%	
	Never seen	87	7.65%	
Maternal-newborn separation	Essential	713	62.54%	1140
	Routinely seen	347	30.44%	
	Occasionally seen	340	29.82%	
	Rarely seen	146	12.81%	
	Never seen	13	1.14%	
Multiple birth	Essential	708	61.94%	1143
	Routinely seen	445	38.93%	
	Occasionally seen	345	30.18%	
	Rarely seen	56	4.90%	
	Never seen	4	0.35%	
Nipple trauma	Essential	770	67.37%	1143
	Routinely seen	455	39.81%	
	Occasionally seen	264	23.10%	
	Rarely seen	64	5.60%	
	Never seen	11	0.96%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Plugged duct	Essential	550	48.59%	1132
	Routinely seen	185	16.34%	
	Occasionally seen	373	32.95%	
	Rarely seen	328	28.98%	
	Never seen	56	4.95%	
Are there other lactation or newborn feeding issues routinely seen in your management of the newborn that are not included in this list?	Yes	127	12.15%	1045
	No	918	87.85%	
<b>Maternal Medications</b> - Indicate below the frequency, essentiality on your clinical care for women in the postpartum period who are receiving the medications listed.				
Analgesia/narcotics	Essential	998	87.47%	1141
	Routinely used	560	49.08%	
	Occasionally used	18	1.58%	
	Rarely used	1	0.09%	
	Never used	8	0.70%	
Antacids/GI motility drugs	Essential	794	69.96%	1135
	Routinely used	534	47.05%	
	Occasionally used	176	15.51%	
	Rarely used	29	2.56%	
	Never used	5	0.44%	
Anticoagulants	Essential	623	54.99%	1133
	Routinely used	237	20.92%	
	Occasionally used	456	40.25%	
	Rarely used	201	17.74%	
	Never used	15	1.32%	
Anticonvulsants	Essential	522	46.24%	1129
	Routinely used	138	12.22%	
	Occasionally used	377	33.39%	
	Rarely used	417	36.94%	
	Never used	40	3.54%	
Antidepressants	Essential	625	55.36%	1129
	Routinely used	359	31.80%	
	Occasionally used	399	35.34%	
	Rarely used	132	11.69%	
	Never used	14	1.24%	
Antihypertensive drugs	Essential	781	68.39%	1142
	Routinely used	532	46.58%	
	Occasionally used	239	20.93%	
	Rarely used	21	1.84%	
	Never used	6	0.53%	
Antimicrobials	Essential	677	59.75%	1133
	Routinely used	421	37.16%	
	Occasionally used	311	27.45%	
	Rarely used	103	9.09%	
	Never used	17	1.50%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Asthma medications	Essential	582	51.19%	1137
	Routinely used	306	26.91%	
	Occasionally used	489	43.01%	
	Rarely used	132	11.61%	
	Never used	9	0.79%	
Diuretics	Essential	498	44.03%	1131
	Routinely used	143	12.64%	
	Occasionally used	374	33.07%	
	Rarely used	409	36.16%	
	Never used	57	5.04%	
Magnesium sulfate	Essential	670	59.19%	1132
	Routinely used	370	32.69%	
	Occasionally used	287	25.35%	
	Rarely used	93	8.22%	
	Never used	105	9.28%	
Sedatives/hypnotics	Essential	556	49.38%	1126
	Routinely used	279	24.78%	
	Occasionally used	329	29.22%	
	Rarely used	264	23.45%	
	Never used	64	5.68%	
Are there other routinely used medications in your management of women in the postpartum period that are not included in this list?	Yes	131	12.52%	1046
	No	915	87.48%	
<b>Newborn Assessment and Management</b>				
<b>Newborn Conditions</b> - Indicate below the frequency and essentiality of the Newborn Conditions listed as each relates to your management of the normal newborn in the first 24 hours after birth.				
Anemia	Essential	488	42.92%	1137
	Routinely seen	129	11.35%	
	Occasionally seen	368	32.37%	
	Rarely seen	400	35.18%	
	Never seen	61	5.36%	
Apnea	Essential	675	58.54%	1153
	Routinely seen	199	17.26%	
	Occasionally seen	444	38.51%	
	Rarely seen	218	18.91%	
	Never seen	19	1.65%	
Bacterial infections	Essential	612	53.36%	1147
	Routinely seen	218	19.01%	
	Occasionally seen	450	39.23%	
	Rarely seen	217	18.92%	
	Never seen	29	2.53%	
Benign skin disorders	Essential	554	48.34%	
	Routinely seen	356	31.06%	
	Occasionally seen	362	31.59%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Rarely seen	185	16.14%	1146
	Never seen	37	3.23%	
Birth injuries	Essential	637	55.10%	1156
	Routinely seen	205	17.73%	
	Occasionally seen	460	39.79%	
	Rarely seen	237	20.50%	
	Never seen	15	1.30%	
Brachial plexus injuries	Essential	551	47.79%	1153
	Routinely seen	98	8.50%	
	Occasionally seen	389	33.74%	
	Rarely seen	447	38.77%	
	Never seen	37	3.21%	
Caput succedaneum	Essential	783	67.68%	1157
	Routinely seen	550	47.54%	
	Occasionally seen	196	16.94%	
	Rarely seen	43	3.72%	
	Never seen	4	0.35%	
Cardiac disease and anomalies	Essential	580	50.48%	1149
	Routinely seen	150	13.05%	
	Occasionally seen	466	40.56%	
	Rarely seen	322	28.02%	
	Never seen	20	1.74%	
Cephalohematoma	Essential	738	63.79%	1157
	Routinely seen	397	34.31%	
	Occasionally seen	339	29.30%	
	Rarely seen	86	7.43%	
	Never seen	7	0.61%	
Congenital hip dislocation/dysplasia	Essential	553	48.09%	1150
	Routinely seen	123	10.70%	
	Occasionally seen	463	40.26%	
	Rarely seen	351	30.52%	
	Never seen	31	2.70%	
Drug exposed infant	Essential	705	60.99%	1156
	Routinely seen	391	33.82%	
	Occasionally seen	358	30.97%	
	Rarely seen	113	9.78%	
	Never seen	6	0.52%	
Electrolyte imbalance	Essential	418	36.60%	1142
	Routinely seen	97	8.49%	
	Occasionally seen	324	28.37%	
	Rarely seen	502	43.96%	
	Never seen	98	8.58%	
Fungal infections	Essential	330	28.95%	
	Routinely seen	67	5.88%	
	Occasionally seen	209	18.33%	
	Rarely seen	518	45.44%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Never seen	264	23.16%	1140
Genetic disorders	Essential	468	40.80%	1147
	Routinely seen	105	9.15%	
	Occasionally seen	465	40.54%	
	Rarely seen	427	37.23%	
	Never seen	24	2.09%	
GI anomalies	Essential	451	39.35%	1146
	Routinely seen	71	6.20%	
	Occasionally seen	317	27.66%	
	Rarely seen	561	48.95%	
	Never seen	78	6.81%	
GI obstructions	Essential	449	39.25%	1144
	Routinely seen	65	5.68%	
	Occasionally seen	257	22.47%	
	Rarely seen	591	51.66%	
	Never seen	121	10.58%	
GU abnormalities	Essential	451	40.12%	1124
	Routinely seen	76	6.76%	
	Occasionally seen	326	29.00%	
	Rarely seen	532	47.33%	
	Never seen	76	6.76%	
Hyperbilirubinemia	Essential	887	76.60%	1158
	Routinely seen	606	52.33%	
	Occasionally seen	101	8.72%	
	Rarely seen	9	0.78%	
	Never seen	5	0.43%	
Hypoglycemia	Essential	874	75.67%	1155
	Routinely seen	589	51.00%	
	Occasionally seen	117	10.13%	
	Rarely seen	11	0.95%	
	Never seen	8	0.69%	
Infant of a diabetic mother	Essential	894	77.34%	1156
	Routinely seen	597	51.64%	
	Occasionally seen	94	8.13%	
	Rarely seen	8	0.69%	
	Never seen	4	0.35%	
Jitteriness	Essential	833	72.06%	1156
	Routinely seen	570	49.31%	
	Occasionally seen	158	13.67%	
	Rarely seen	20	1.73%	
	Never seen	5	0.43%	
Meconium aspiration	Essential	657	57.18%	1149
	Routinely seen	285	24.80%	
	Occasionally seen	391	34.03%	
	Rarely seen	202	17.58%	
	Never seen	32	2.79%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Pneumothorax	Essential	498	43.42%	1147
	Routinely seen	99	8.63%	
	Occasionally seen	352	30.69%	
	Rarely seen	470	40.98%	
	Never seen	89	7.76%	
Polycythemia/hyperviscosity	Essential	453	39.60%	1144
	Routinely seen	126	11.01%	
	Occasionally seen	304	26.57%	
	Rarely seen	449	39.25%	
	Never seen	118	10.31%	
Rh disease	Essential	540	47.00%	1149
	Routinely seen	171	14.88%	
	Occasionally seen	284	24.72%	
	Rarely seen	383	33.33%	
	Never seen	130	11.31%	
Seizures	Essential	496	43.24%	1147
	Routinely seen	67	5.84%	
	Occasionally seen	262	22.84%	
	Rarely seen	569	49.61%	
	Never seen	113	9.85%	
Sepsis	Essential	613	53.21%	1152
	Routinely seen	188	16.32%	
	Occasionally seen	381	33.07%	
	Rarely seen	320	27.78%	
	Never seen	51	4.43%	
STD infections	Essential	510	44.54%	1145
	Routinely seen	108	9.43%	
	Occasionally seen	261	22.79%	
	Rarely seen	468	40.87%	
	Never seen	148	12.93%	
Subgaleal hemorrhage	Essential	430	37.79%	1138
	Routinely seen	65	5.71%	
	Occasionally seen	193	16.96%	
	Rarely seen	491	43.15%	
	Never seen	277	24.34%	
Thrombocytopenia	Essential	454	40.07%	1133
	Routinely seen	100	8.83%	
	Occasionally seen	287	25.33%	
	Rarely seen	490	43.25%	
	Never seen	122	10.77%	
Transient tachypnea of the newborn	Essential	783	67.79%	1155
	Routinely seen	497	43.03%	
	Occasionally seen	240	20.78%	
	Rarely seen	53	4.59%	
	Never seen	15	1.30%	
Viral infections	Essential	482	42.73%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Routinely seen	122	10.82%	1128
	Occasionally seen	287	25.44%	
	Rarely seen	470	41.67%	
	Never seen	109	9.66%	
Are there other newborn conditions routinely seen in your management of the newborn that are not included in this list?	Yes	55	5.18%	1061
	No	1006	94.82%	
<b>Newborn Medications</b> - Indicate below the frequency, essentiality on your clinical care of newborns who are receiving the medications listed.				
Analgesia/narcotics	Essential	493	43.28%	1139
	Routinely used	214	18.79%	
	Occasionally used	248	21.77%	
	Rarely used	314	27.57%	
	Never used	199	17.47%	
Antimicrobials	Essential	495	43.69%	1133
	Routinely used	264	23.30%	
	Occasionally used	281	24.80%	
	Rarely used	250	22.07%	
	Never used	166	14.65%	
Resuscitation drugs	Essential	525	46.05%	1140
	Routinely used	102	8.95%	
	Occasionally used	264	23.16%	
	Rarely used	409	35.88%	
	Never used	203	17.81%	
Sedatives for narcotic withdrawal	Essential	409	36.10%	1133
	Routinely used	144	12.71%	
	Occasionally used	248	21.89%	
	Rarely used	318	28.07%	
	Never used	311	27.45%	
Surfactant replacement therapy	Essential	338	30.18%	1120
	Routinely used	87	7.77%	
	Occasionally used	210	18.75%	
	Rarely used	292	26.07%	
	Never used	435	38.84%	
Vaccinations	Essential	971	84.36%	1151
	Routinely used	560	48.65%	
	Occasionally used	22	1.91%	
	Rarely used	22	1.91%	
	Never used	18	1.56%	
Vitamins	Essential	533	46.96%	1135
	Routinely used	274	24.14%	
	Occasionally used	152	13.39%	
	Rarely used	214	18.85%	
	Never used	260	22.91%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Are there other medications routinely used in your management of newborns that are not included in this list?	Yes	83	7.95%	1044
	No	961	92.05%	
<b>Laboratory Testing - Maternal-Newborn</b>				
<b>Maternal</b> - For the following tests, indicate the frequency, essentiality and applicability to your clinical practice as it relates to the specific use of laboratory tests in providing care to mothers and newborns.				
Apt test	Essential	184	17.51%	1051
	Routinely done	87	8.28%	
	Occasionally done	161	15.32%	
	Rarely done	246	23.41%	
	Never done	374	35.59%	
	Don't do postpartum care	105	9.99%	
	Interpret Results	38	3.62%	
Blood Culture	Essential	563	49.17%	1145
	Routinely done	245	21.40%	
	Occasionally done	420	36.68%	
	Rarely done	194	16.94%	
	Never done	30	2.62%	
	Don't do postpartum care	18	1.57%	
	Interpret Results	151	13.19%	
CBC	Essential	894	77.00%	1161
	Routinely done	562	48.41%	
	Occasionally done	85	7.32%	
	Rarely done	14	1.21%	
	Never done	4	0.34%	
	Don't do postpartum care	16	1.38%	
	Interpret Results	189	16.28%	
Coagulation studies	Essential	564	49.26%	1145
	Routinely done	294	25.68%	
	Occasionally done	376	32.84%	
	Rarely done	162	14.15%	
	Never done	39	3.41%	
	Don't do postpartum care	24	2.10%	
	Interpret Results	135	11.79%	
Coombs testing	Essential	725	63.54%	1141
	Routinely done	443	38.83%	
	Occasionally done	127	11.13%	
	Rarely done	66	5.78%	
	Never done	72	6.31%	
	Don't do postpartum care	34	2.98%	
	Interpret Results	153	13.41%	
CRP	Essential	483	42.97%	
	Routinely done	218	19.40%	
	Occasionally done	269	23.93%	
	Rarely done	230	20.46%	



<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Never done	125	11.12%	1124
	Don't do postpartum care	35	3.11%	
	Interpret Results	101	8.99%	
Hepatitis	Essential	817	70.37%	1161
	Routinely done	464	39.97%	
	Occasionally done	97	8.35%	
	Rarely done	68	5.86%	
	Never done	30	2.58%	
	Don't do postpartum care	34	2.93%	
	Interpret Results	170	14.64%	
HIV	Essential	801	69.29%	1156
	Routinely done	445	38.49%	
	Occasionally done	101	8.74%	
	Rarely done	72	6.23%	
	Never done	36	3.11%	
	Don't do postpartum care	36	3.11%	
	Interpret Results	160	13.84%	
GBS	Essential	897	77.46%	1158
	Routinely done	489	42.23%	
	Occasionally done	46	3.97%	
	Rarely done	22	1.90%	
	Never done	31	2.68%	
	Don't do postpartum care	35	3.02%	
	Interpret Results	180	15.54%	
Kleihauer-Betke	Essential	405	36.23%	1118
	Routinely done	181	16.19%	
	Occasionally done	321	28.71%	
	Rarely done	245	21.91%	
	Never done	141	12.61%	
	Don't do postpartum care	57	5.10%	
	Interpret Results	106	9.48%	
Platelet count	Essential	834	72.15%	1156
	Routinely done	506	43.77%	
	Occasionally done	116	10.03%	
	Rarely done	32	2.77%	
	Never done	14	1.21%	
	Don't do postpartum care	17	1.47%	
	Interpret Results	171	14.79%	
Rh typing	Essential	952	82.00%	1161
	Routinely done	534	45.99%	
	Occasionally done	29	2.50%	
	Rarely done	13	1.12%	
	Never done	8	0.69%	
	Don't do postpartum care	23	1.98%	
	Interpret Results	179	15.42%	
RPR	Essential	827	72.16%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Routinely done	460	40.14%	1146
	Occasionally done	82	7.16%	
	Rarely done	48	4.19%	
	Never done	34	2.97%	
	Don't do postpartum care	33	2.88%	
	Interpret Results	163	14.22%	
Urinalysis	Essential	796	68.98%	1154
	Routinely done	463	40.12%	
	Occasionally done	189	16.38%	
	Rarely done	45	3.90%	
	Never done	12	1.04%	
	Don't do postpartum care	23	1.99%	
	Interpret Results	173	14.99%	
White blood count	Essential	871	75.41%	1155
	Routinely done	530	45.89%	
	Occasionally done	82	7.10%	
	Rarely done	16	1.39%	
	Never done	11	0.95%	
	Don't do postpartum care	13	1.13%	
	Interpret Results	179	15.50%	
<b>Newborn</b> - For the following tests, indicate the frequency, essentiality and applicability to your clinical practice as it relates to the specific use of laboratory tests in providing care to mothers and newborns.				
Bilirubin levels	Essential	1,005	86.12%	1167
	Routinely done	528	45.24%	
	Occasionally done	41	3.51%	
	Rarely done	1	0.09%	
	Never done	6	0.51%	
	Don't do newborn care	18	1.54%	
	Interpret Results	193	16.54%	
Blood Culture	Essential	663	57.50%	1153
	Routinely done	345	29.92%	
	Occasionally done	396	34.35%	
	Rarely done	61	5.29%	
	Never done	17	1.47%	
	Don't do newborn care	23	1.99%	
	Interpret Results	157	13.62%	
Calcium levels	Essential	304	27.14%	1120
	Routinely done	101	9.02%	
	Occasionally done	333	29.73%	
	Rarely done	379	33.84%	
	Never done	152	13.57%	
	Don't do newborn care	41	3.66%	
	Interpret Results	79	7.05%	
CBC	Essential	766	66.09%	
	Routinely done	437	37.70%	
	Occasionally done	284	24.50%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Rarely done	28	2.42%	1159
	Never done	8	0.69%	
	Don't do newborn care	20	1.73%	
	Interpret Results	176	15.19%	
Coombs testing	Essential	846	72.68%	1164
	Routinely done	532	45.70%	
	Occasionally done	123	10.57%	
	Rarely done	13	1.12%	
	Never done	15	1.29%	
	Don't do newborn care	25	2.15%	
	Interpret Results	173	14.86%	
CRP	Essential	522	46.36%	1126
	Routinely done	265	23.53%	
	Occasionally done	319	28.33%	
	Rarely done	169	15.01%	
	Never done	89	7.90%	
	Don't do newborn care	35	3.11%	
	Interpret Results	112	9.95%	
Glucose levels	Essential	913	78.30%	1166
	Routinely done	552	47.34%	
	Occasionally done	103	8.83%	
	Rarely done	3	0.26%	
	Never done	4	0.34%	
	Don't do newborn care	18	1.54%	
	Interpret Results	175	15.01%	
Electrolyte levels	Essential	416	36.72%	1133
	Routinely done	162	14.30%	
	Occasionally done	400	35.30%	
	Rarely done	285	25.15%	
	Never done	76	6.71%	
	Don't do newborn care	33	2.91%	
	Interpret Results	106	9.36%	
Hematocrit	Essential	702	60.88%	1153
	Routinely done	415	35.99%	
	Occasionally done	291	25.24%	
	Rarely done	60	5.20%	
	Never done	13	1.13%	
	Don't do newborn care	23	1.99%	
	Interpret Results	149	12.92%	
Hemoglobin	Essential	688	59.83%	1150
	Routinely done	412	35.83%	
	Occasionally done	295	25.65%	
	Rarely done	60	5.22%	
	Never done	14	1.22%	
	Don't do newborn care	24	2.09%	
	Interpret Results	146	12.70%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Meconium drug	Essential	567	49.52%	1145
	Routinely done	307	26.81%	
	Occasionally done	317	27.69%	
	Rarely done	138	12.05%	
	Never done	108	9.43%	
	Don't do newborn care	27	2.36%	
	Interpret Results	120	10.48%	
Newborn screening tests	Essential	1,000	85.91%	1164
	Routinely done	524	45.02%	
	Occasionally done	26	2.23%	
	Rarely done	8	0.69%	
	Never done	8	0.69%	
	Don't do newborn care	18	1.55%	
	Interpret Results	82	7.04%	
Platelet count	Essential	600	52.54%	1142
	Routinely done	367	32.14%	
	Occasionally done	318	27.85%	
	Rarely done	125	10.95%	
	Never done	22	1.93%	
	Don't do newborn care	23	2.01%	
	Interpret Results	137	12.00%	
Reticulocyte count	Essential	565	49.30%	1146
	Routinely done	348	30.37%	
	Occasionally done	352	30.72%	
	Rarely done	133	11.61%	
	Never done	31	2.71%	
	Don't do newborn care	25	2.18%	
	Interpret Results	129	11.26%	
Urinalysis	Essential	469	41.39%	1133
	Routinely done	197	17.39%	
	Occasionally done	347	30.63%	
	Rarely done	273	24.10%	
	Never done	75	6.62%	
	Don't do newborn care	26	2.29%	
	Interpret Results	107	9.44%	
Urine drug	Essential	642	55.83%	1150
	Routinely done	373	32.43%	
	Occasionally done	333	28.96%	
	Rarely done	113	9.83%	
	Never done	27	2.35%	
	Don't do newborn care	20	1.74%	
	Interpret Results	133	11.57%	
White blood count with differential	Essential	690	60.37%	
	Routinely done	420	36.75%	
	Occasionally done	281	24.58%	
	Rarely done	52	4.55%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Never done	18	1.57%	1143
	Don't do newborn care	21	1.84%	
	Interpret Results	158	13.82%	
Are there other laboratory tests routinely used in your care of mothers and newborns that are not included in this list?	Yes	80	7.49%	1068
	No	988	92.51%	
<b>Specified Skills</b>				
<b>Maternal/Parental Focus</b> - Of the skills and assessments listed, please indicate the frequency, essentiality and applicability of each skill to your Maternal Newborn nursing practice.				
Administer pain medication	Essential	1,141	93.91%	1215
	Routinely done	503	41.40%	
	Occasionally done	7	0.58%	
	Rarely done	1	0.08%	
	Never done	9	0.74%	
Auscultate lung sounds	Essential	1,047	86.17%	1215
	Routinely done	562	46.26%	
	Occasionally done	38	3.13%	
	Rarely done	7	0.58%	
	Never done	4	0.33%	
Auscultate maternal bowel sounds	Essential	1,039	85.66%	1213
	Routinely done	564	46.50%	
	Occasionally done	35	2.89%	
	Rarely done	7	0.58%	
	Never done	5	0.41%	
Bladder scan	Essential	383	31.92%	1200
	Routinely done	208	17.33%	
	Occasionally done	467	38.92%	
	Rarely done	296	24.67%	
	Never done	98	8.17%	
Catheterization	Essential	710	58.29%	1218
	Routinely done	387	31.77%	
	Occasionally done	447	36.70%	
	Rarely done	54	4.43%	
	Never done	11	0.90%	
Counsel siblings	Essential	196	16.60%	1181
	Routinely done	154	13.04%	
	Occasionally done	305	25.83%	
	Rarely done	425	35.99%	
	Never done	233	19.73%	
Educate about anticipated maternal physiologic changes	Essential	994	82.35%	1207
	Routinely done	594	49.21%	
	Occasionally done	44	3.65%	
	Rarely done	7	0.58%	
	Never done	3	0.25%	
Educate about benefits of breastfeeding	Essential	1,124	92.36%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Routinely done	528	43.39%	1217
	Occasionally done	9	0.74%	
	Rarely done	4	0.33%	
	Never done	0	0%	
Educate about breast care	Essential	1,105	91.02%	1214
	Routinely done	535	44.07%	
	Occasionally done	15	1.24%	
	Rarely done	3	0.25%	
	Never done	1	0.08%	
Educate about breastfeeding technique and timing	Essential	1,125	92.67%	1214
	Routinely done	521	42.92%	
	Occasionally done	11	0.91%	
	Rarely done	2	0.16%	
	Never done	0	0%	
Educate about contraception options	Essential	485	40.35%	1202
	Routinely done	377	31.36%	
	Occasionally done	319	26.54%	
	Rarely done	196	16.31%	
	Never done	88	7.32%	
Educate about contraindications to breastfeeding	Essential	789	65.37%	1207
	Routinely done	443	36.70%	
	Occasionally done	253	20.96%	
	Rarely done	94	7.79%	
	Never done	8	0.66%	
Educate about expressing breast milk	Essential	994	81.81%	1215
	Routinely done	579	47.65%	
	Occasionally done	64	5.27%	
	Rarely done	6	0.49%	
	Never done	1	0.08%	
Educate about lactation physiology	Essential	813	67.19%	1210
	Routinely done	546	45.12%	
	Occasionally done	178	14.71%	
	Rarely done	47	3.88%	
	Never done	5	0.41%	
Educate about nutritional requirements	Essential	854	70.40%	1213
	Routinely done	558	46.00%	
	Occasionally done	135	11.13%	
	Rarely done	34	2.80%	
	Never done	4	0.33%	
Educate about postpartum exercises	Essential	596	49.58%	1202
	Routinely done	459	38.19%	
	Occasionally done	279	23.21%	
	Rarely done	130	10.82%	
	Never done	33	2.75%	
Educate about resumption of sexual activity	Essential	819	67.85%	
	Routinely done	583	48.30%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Occasionally done	106	8.78%	1207
	Rarely done	51	4.23%	
	Never done	15	1.24%	
Measure fundal height	Essential	964	79.74%	1209
	Routinely done	453	37.47%	
	Occasionally done	51	4.22%	
	Rarely done	51	4.22%	
	Never done	70	5.79%	
Measure intake and output	Essential	956	78.81%	1213
	Routinely done	584	48.15%	
	Occasionally done	78	6.43%	
	Rarely done	11	0.91%	
	Never done	8	0.66%	
Monitor patients for breastfeeding problems	Essential	1,088	89.62%	1214
	Routinely done	552	45.47%	
	Occasionally done	14	1.15%	
	Rarely done	1	0.08%	
	Never done	0	0%	
Monitor patients to confirm successful breastfeeding	Essential	1,086	89.38%	1215
	Routinely done	558	45.93%	
	Occasionally done	16	1.32%	
	Rarely done	3	0.25%	
	Never done	0	0%	
Monitor uterine involution	Essential	1,068	88.12%	1212
	Routinely done	536	44.22%	
	Occasionally done	26	2.15%	
	Rarely done	8	0.66%	
	Never done	14	1.16%	
Observe for parent-infant attachment	Essential	1,096	90.28%	1214
	Routinely done	549	45.22%	
	Occasionally done	11	0.91%	
	Rarely done	0	0%	
	Never done	1	0.08%	
Observe lochia	Essential	1,124	92.28%	1218
	Routinely done	531	43.60%	
	Occasionally done	4	0.33%	
	Rarely done	3	0.25%	
	Never done	6	0.49%	
Observe the perineum	Essential	1,109	91.13%	1217
	Routinely done	545	44.78%	
	Occasionally done	5	0.41%	
	Rarely done	3	0.25%	
	Never done	7	0.58%	
Obtain maternal vital signs	Essential	1,134	93.41%	
	Routinely done	519	42.75%	
	Occasionally done	2	0.16%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Rarely done	4	0.33%	1214
	Never done	3	0.25%	
Palpate the uterus	Essential	1,109	91.65%	1210
	Routinely done	504	41.65%	
	Occasionally done	10	0.83%	
	Rarely done	5	0.41%	
	Never done	17	1.40%	
Perform a vaginal exam	Essential	367	30.97%	1185
	Routinely done	210	17.72%	
	Occasionally done	130	10.97%	
	Rarely done	200	16.88%	
	Never done	452	38.14%	
Perform DTR's	Essential	721	60.59%	1190
	Routinely done	480	40.34%	
	Occasionally done	240	20.17%	
	Rarely done	83	6.97%	
	Never done	44	3.70%	
Perform fundal massage	Essential	981	80.74%	1215
	Routinely done	518	42.63%	
	Occasionally done	127	10.45%	
	Rarely done	10	0.82%	
	Never done	11	0.91%	
Perform urine protein checks	Essential	429	35.96%	1193
	Routinely done	274	22.97%	
	Occasionally done	317	26.57%	
	Rarely done	222	18.61%	
	Never done	211	17.69%	
Prepare insulin doses	Essential	686	56.69%	1210
	Routinely done	423	34.96%	
	Occasionally done	378	31.24%	
	Rarely done	90	7.44%	
	Never done	29	2.40%	
Provide maternal wound care	Essential	779	64.12%	1215
	Routinely done	465	38.27%	
	Occasionally done	232	19.09%	
	Rarely done	107	8.81%	
	Never done	26	2.14%	
Provide perineal hygiene	Essential	1,071	88.37%	1212
	Routinely done	550	45.38%	
	Occasionally done	13	1.07%	
	Rarely done	5	0.41%	
	Never done	6	0.50%	
Review maternal antenatal history	Essential	1,008	82.96%	
	Routinely done	572	47.08%	
	Occasionally done	52	4.28%	
	Rarely done	15	1.23%	



<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Never done	1	0.08%	1215
Review maternal intrapartum history	Essential	1,016	83.76%	1213
	Routinely done	579	47.73%	
	Occasionally done	39	3.22%	
	Rarely done	8	0.66%	
	Never done	1	0.08%	
Take vital signs	Essential	1,114	91.99%	1211
	Routinely done	528	43.60%	
	Occasionally done	4	0.33%	
	Rarely done	3	0.25%	
	Never done	4	0.33%	
Are there other skills that are routine to your practice and are not included in this list?	Yes	232	20.30%	1143
	No	911	79.70%	
<b>Newborn Focus-</b> Of the skills and assessments listed, please indicate the frequency, essentiality and applicability of each skill to your Maternal Newborn nursing practice.				
Administer eye prophylaxis	Essential	920	77.77%	1183
	Routinely done	440	37.19%	
	Occasionally done	62	5.24%	
	Rarely done	93	7.86%	
	Never done	79	6.68%	
Administer vitamin K	Essential	931	78.70%	1183
	Routinely done	451	38.12%	
	Occasionally done	63	5.33%	
	Rarely done	84	7.10%	
	Never done	67	5.66%	
Auscultate newborn bowel sounds	Essential	1,043	87.72%	1189
	Routinely done	529	44.49%	
	Occasionally done	35	2.94%	
	Rarely done	10	0.84%	
	Never done	16	1.35%	
Auscultate newborn heart sounds	Essential	1,106	92.94%	1190
	Routinely done	513	43.11%	
	Occasionally done	8	0.67%	
	Rarely done	3	0.25%	
	Never done	10	0.84%	
Auscultate newborn lung sounds	Essential	1,102	92.37%	1193
	Routinely done	515	43.17%	
	Occasionally done	11	0.92%	
	Rarely done	5	0.42%	
	Never done	10	0.84%	
Bathe neonates	Essential	962	81.32%	1183
	Routinely done	550	46.49%	
	Occasionally done	39	3.30%	
	Rarely done	29	2.45%	
	Never done	23	1.94%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Catheterization for radiologic exams	Essential	132	11.41%	1157
	Routinely done	60	5.19%	
	Occasionally done	144	12.45%	
	Rarely done	321	27.74%	
	Never done	589	50.91%	
Document neonatal care	Essential	1,111	93.36%	1190
	Routinely done	513	43.11%	
	Occasionally done	1	0.08%	
	Rarely done	4	0.34%	
	Never done	9	0.76%	
Feed neonates	Essential	1,045	87.89%	1189
	Routinely done	516	43.40%	
	Occasionally done	58	4.88%	
	Rarely done	5	0.42%	
	Never done	8	0.67%	
Manage neonatal thermoregulatory needs	Essential	1,094	92.17%	1187
	Routinely done	516	43.47%	
	Occasionally done	8	0.67%	
	Rarely done	5	0.42%	
	Never done	10	0.84%	
Manage neonates on phototherapy	Essential	932	78.52%	1187
	Routinely done	515	43.39%	
	Occasionally done	119	10.03%	
	Rarely done	21	1.77%	
	Never done	28	2.36%	
Obtain neonatal vital signs	Essential	1,111	93.60%	1187
	Routinely done	509	42.88%	
	Occasionally done	4	0.34%	
	Rarely done	3	0.25%	
	Never done	11	0.93%	
Perform a general newborn physical exam	Essential	1,105	93.01%	1188
	Routinely done	504	42.42%	
	Occasionally done	7	0.59%	
	Rarely done	5	0.42%	
	Never done	13	1.09%	
Perform a neonatal behavioral exam	Essential	839	71.28%	1177
	Routinely done	453	38.49%	
	Occasionally done	122	10.37%	
	Rarely done	68	5.78%	
	Never done	68	5.78%	
Perform Apgar scoring	Essential	712	60.60%	1175
	Routinely done	332	28.26%	
	Occasionally done	76	6.47%	
	Rarely done	108	9.19%	
	Never done	275	23.40%	
Perform gestational age assessment	Essential	712	60.60%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Routinely done	338	28.77%	1175
	Occasionally done	154	13.11%	
	Rarely done	147	12.51%	
	Never done	149	12.68%	
Perform heel sticks	Essential	999	84.23%	1186
	Routinely done	554	46.71%	
	Occasionally done	28	2.36%	
	Rarely done	12	1.01%	
	Never done	19	1.60%	
Perform Ortolani maneuver	Essential	508	44.10%	1152
	Routinely done	344	29.86%	
	Occasionally done	153	13.28%	
	Rarely done	158	13.72%	
	Never done	255	22.14%	
Provide cord care	Essential	930	78.95%	1178
	Routinely done	518	43.97%	
	Occasionally done	37	3.14%	
	Rarely done	36	3.06%	
	Never done	48	4.07%	
Provide education about SIDS and/or shaken baby syndrome	Essential	1,041	87.63%	1188
	Routinely done	536	45.12%	
	Occasionally done	34	2.86%	
	Rarely done	15	1.26%	
	Never done	6	0.51%	
Provide post-circumcision care	Essential	999	84.30%	1185
	Routinely done	528	44.56%	
	Occasionally done	49	4.14%	
	Rarely done	14	1.18%	
	Never done	23	1.94%	
Are there other skills that are routine to your practice and are not included in this list?	Yes	247	22.33%	1106
	No	859	77.67%	
<b>Professional Practice</b> - In your opinion, which of the following professional issues are essential to the practice of a Maternal Newborn nurse.				
Culturally sensitive care	Yes	1,090	98.29%	1109
	No	19	1.71%	
Ethical/legal issues	Yes	1,075	97.37%	1104
	No	29	2.63%	
Evidence-based guidelines for practice	Yes	1,104	99.10%	1114
	No	10	0.90%	
Patient safety	Yes	1,111	99.91%	1112
	No	1	0.09%	
Research	Yes	970	88.75%	1093
	No	123	11.25%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Are there other aspects of professional practice that are essential to your practice as a Maternal Newborn nurse that are not included in this list?	Yes	47	4.61%	1020
	No	973	95.39%	
<b>Current Certification Test Outline</b> -The test outline percents below represent the weighting of content on the Maternal Newborn Nursing certification examination. Based on your experience, do these percentages adequately represent the knowledge needed for the Maternal Newborn nurse to function in today's health care environment?				
Factors affecting maternal/neonatal outcomes at 5-10%	Under- represented	267	24.05%	1110
	Over- represented	36	3.24%	
	Just about right	807	72.70%	
Maternal assessment and management in the postpartum period at 40-45%	Under- represented	46	4.15%	1108
	Over- represented	59	5.32%	
	Just about right	1,003	90.52%	
Newborn assessment and management at 40-45%	Under- represented	40	3.61%	1107
	Over- represented	78	7.05%	
	Just about right	989	89.34%	
Aspects of professional practice at less than 5%	Under- represented	120	10.96%	1095
	Over- represented	43	3.93%	
	Just about right	932	85.11%	
<b>Factors Affecting Maternal/Neonatal Outcomes:-</b> Does this content adequately reflect the knowledge and skills applied to your daily practice?				
Antenatal factors	Yes	888	80.14%	1108
	No	111	10.02%	
	Don't Know	109	9.84%	
Intrapartal factor	Yes	910	82.88%	1098
	No	83	7.56%	
	Don't Know	105	9.56%	
<b>Maternal Attachment and Management in the Postpartum Period:-</b> Does this content adequately reflect the knowledge and skills applied to your daily practice?				
Physiologic changes & physical assessment (includes laboratory values)	Yes	1,062	96.20%	1104
	No	22	1.99%	
	Don't Know	20	1.81%	
Nursing care and education	Yes	1,059	97.25%	1089
	No	10	0.92%	
	Don't Know	20	1.84%	
<b>Lactation and newborn feeding-</b> Does this content adequately reflect the knowledge and skills applied to your daily practice?				
Family dynamics after childbirth	Yes	990	89.27%	1109
	No	59	5.32%	
	Don't Know	60	5.41%	
Complications (recognition and stabilization)	Yes	1,070	96.05%	1114
	No	19	1.71%	
	Don't Know	25	2.24%	
Newborn Assessment and Management:	Yes	1,075	97.02%	
	No	16	1.44%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Don't Know	17	1.53%	1108
Transition to extrauterine life	Yes	1,059	95.58%	1108
	No	30	2.71%	
	Don't Know	19	1.71%	
Physiologic changes and physical assessment (includes laboratory values)	Yes	1,062	95.59%	1111
	No	29	2.61%	
	Don't Know	20	1.80%	
Nursing care and family education	Yes	1,062	95.76%	1109
	No	25	2.25%	
	Don't Know	22	1.98%	
Complications (recognition and stabilization)	Yes	1,049	95.97%	1093
	No	22	2.01%	
	Don't Know	22	2.01%	
<b>Aspects of Professional Practice - Does this content adequately reflect the knowledge and skills applied to your daily practice?</b>				
Research	Yes	809	72.69%	1113
	No	133	11.95%	
	Don't Know	171	15.36%	
Guidelines for practice	Yes	1,039	93.27%	1114
	No	28	2.51%	
	Don't Know	47	4.22%	
Ethical Issues	Yes	996	89.81%	1109
	No	50	4.51%	
	Don't Know	63	5.68%	
Legal Issues	Yes	951	85.52%	1112
	No	80	7.19%	
	Don't Know	81	7.28%	
Patient safety	Yes	1,058	95.92%	1103
	No	15	1.36%	
	Don't Know	30	2.72%	
<b>Demographic Information</b>				
What best describes your practice setting?	Hospital	1003	90.36%	1110
	Birthing Center	20	1.80%	
	Academic Setting	33	2.97%	
	Administration	10	0.90%	
	Research	2	0.18%	
	Other	42	3.78%	
If you work in a hospital, is it designated as	Level I	178	16.51%	1078
	Level II	320	29.68%	
	Level III	467	43.32%	
	Not applicable	90	8.35%	
	Other	23	2.13%	
Are you employed by a	Hospital	1026	92.35%	
	Government Agency	30	2.70%	
	Private company	22	1.98%	

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
	Other	33	2.97%	1111
Highest level of education	Doctorate - PhD	12	1.08%	1114
	Doctorate - DNP	7	0.63%	
	Post Master's	14	1.26%	
	Master's	174	15.62%	
	Baccalaureate	593	53.23%	
	Associate	243	21.81%	
	Diploma	66	5.92%	
	Other	5	0.45%	
What is your job title?	Staff nurse	858	77.93%	1101
	Nurse Manager	77	6.99%	
	Nurse Educator	46	4.18%	
	Nursing Director	8	0.73%	
	Clinical Nurse Specialist	11	1.00%	
	Outreach coordinator	1	0.09%	
	Patient Safety Nurse	2	0.18%	
	Nursing Instructor/Professor	32	2.91%	
	Researcher	5	0.45%	
	Other	61	5.54%	
How many hours a week do you work as a Maternal Newborn nurse (clinical practice, education, research and administration)	46 hours of more	61	5.47%	1115
	35-45 hours	656	58.83%	
	20-34 hours	275	24.66%	
	less than 20 hours	57	5.11%	
	Not working as an Maternal Newborn nurse at this time	64	5.74%	
	Retired	2	0.18%	
What areas does your current practice incorporate? (Check all that apply)	Antepartum	430	38.95%	1104
	Labor and Delivery	283	25.63%	
	Postpartum	1018	92.21%	
	Newborn	940	85.14%	
	Other	107	9.69%	
Percentage of practice devoted to (enter whole numbers that total 100)	Direct patient care	68.5328	1-100	1083
	Education	21.5152	1-100	
	Management	11.9381	1-100	
	Research	2.84303	1-100	
How long have you been a Maternal Newborn nurse?	Less than a year	0	0%	1113
	1-5 years	98	8.81%	
	6-10 years	277	24.89%	
	11-15 years	208	18.69%	
	16-20 years	140	12.58%	
	Over 20 years	390	35.04%	
What state do you live	Alaska	1	0.09%	
	Alabama	6	0.54%	
	Arkansas	6	0.54%	
	Arizona	34	3.04%	
	California	102	9.12%	

## Exhibit 2 Maternal Newborn Nursing (MNN)

Questions

Answer Options

# per  
answer  
option

% per  
answer  
option

Total per  
item

Colorado	39	3.49%
Connecticut	11	0.98%
Delaware	5	0.45%
Florida	63	5.63%
Georgia	42	3.75%
Hawaii	5	0.45%
Iowa	13	1.16%
Idaho	13	1.16%
Illinois	65	5.81%
Indiana	30	2.68%
Kansas	2	0.18%
Kentucky	6	0.54%
Louisiana	18	1.61%
Massachusetts	18	1.61%
Maryland	30	2.68%
Maine	3	0.27%
Michigan	14	1.25%
Minnesota	27	2.41%
Missouri	11	0.98%
Mississippi	3	0.27%
Mountana	1	0.09%
North Carolina	31	2.77%
North Dakota	2	0.18%
Nebraska	3	0.27%
New Hampshire	5	0.45%
New Jersey	54	4.83%
New Mexico	13	1.16%
Nevada	5	0.45%
New York	77	6.88%
Ohio	41	3.66%
Oklahoma	6	0.54%
Oregon	27	2.41%
Pennsylvania	62	5.54%
South Carolina	13	1.16%
South Dakota	4	0.36%
Tennessee	9	0.80%
Texas	86	7.69%
Utah	7	0.63%
Virginia	46	4.11%
Vermont	3	0.27%
Washington	35	3.13%
Wisconsin	17	1.52%
West Virginia	3	0.27%
Wyoming	1	0.09%
Other	1	0.09%

1119

<b>Exhibit 2 Maternal Newborn Nursing (MNN)</b>				
<b>Questions</b>	<b>Answer Options</b>	<b># per answer option</b>	<b>% per answer option</b>	<b>Total per item</b>
Which of the following statements apply to your NCC Certification as a Maternal Newborn nurse (check all that apply)	Being NCC Certified is required for employment	4	7.84%	51
	Being NCC Certified is encouraged	38	74.51%	
	Being NCC Certified is not required or encouraged	8	15.69%	
	There is a financial incentive tied to being NCC Certified	20	39.22%	
	There is no financial incentive tied to being NCC Certified	14	27.45%	
	My Certification as a Maternal Newborn nurse was attained for personal reasons.	35	68.63%	
	Being a Certified Maternal Newborn is tied to other employer-based recognition (please specify)	7	13.73%	
In the last 24 months what new practice change(s) have been incorporated into your practice?	None	24	52.17%	46
	Listed below	22	47.83%	

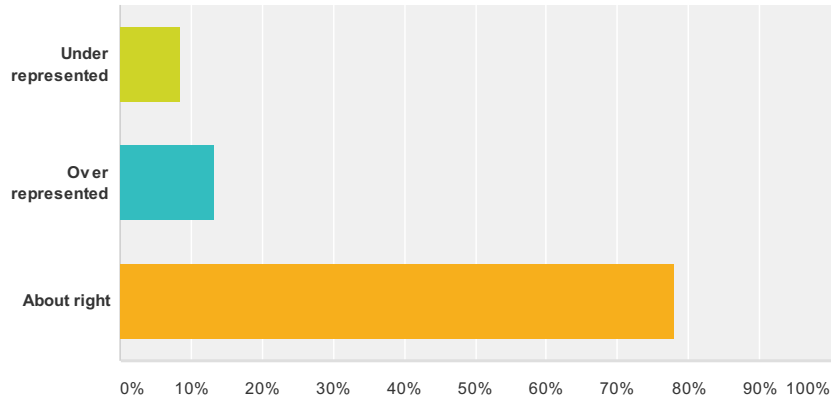


## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

#### Q1 Did you think the Factors Affecting Maternal/Neonatal Outcomes content tested on exam was

Answered: 165 Skipped: 1



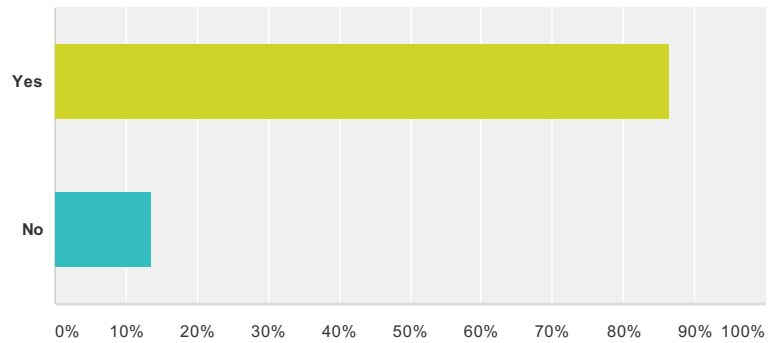
Answer Choices	Responses	
Under represented	8.48%	14
Over represented	13.33%	22
About right	78.18%	129
<b>Total</b>		<b>165</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

**Q2 Does this content adequately reflect what is applied to your daily practice relative to Factors Affecting Maternal/Neonatal Outcomes?**

Answered: 163 Skipped: 3



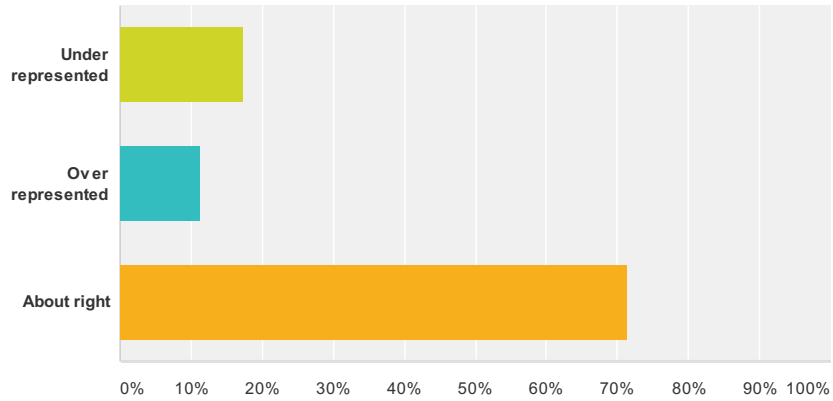
Answer Choices	Responses	
Yes	86.50%	141
No	13.50%	22
<b>Total</b>		<b>163</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

#### Q4 Did you think the Maternal Assessment and Management in the Postpartum Period (Delivery through Six Weeks) content tested on the exam was

Answered: 161 Skipped: 5



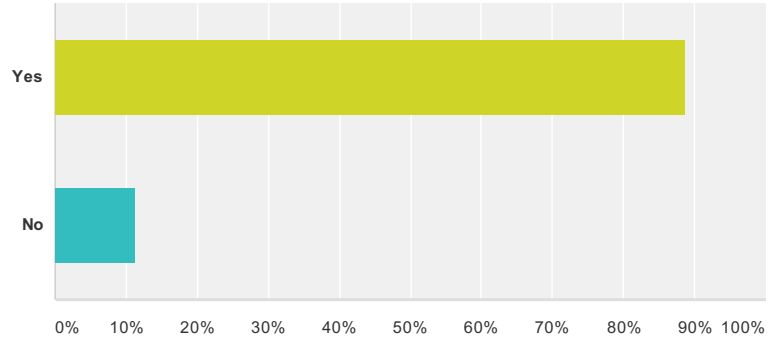
Answer Choices	Responses	Count
Under represented	17.39%	28
Over represented	11.18%	18
About right	71.43%	115
<b>Total</b>		<b>161</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

**Q5 Does this content adequately reflect what is applied to daily practice relative to Maternal Assessment and Management in the Postpartum Period (Delivery through Six Weeks)?**

Answered: 161 Skipped: 5



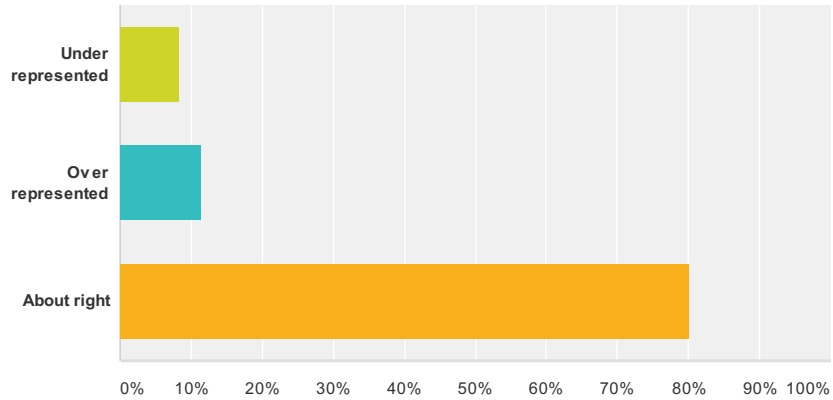
Answer Choices	Responses	
Yes	88.82%	143
No	11.18%	18
<b>Total</b>		<b>161</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

#### Q7 Did you think the Newborn Assessment and Management content tested on the exam was

Answered: 156 Skipped: 10



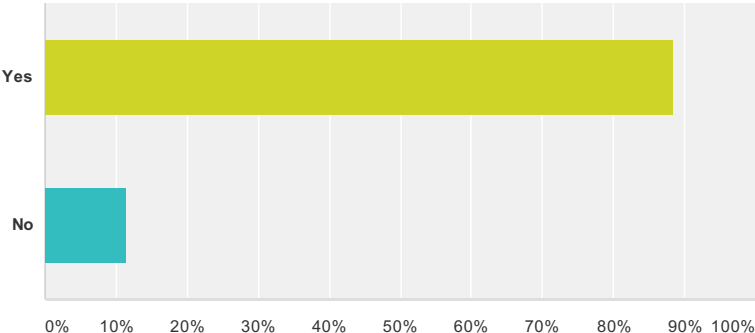
Answer Choices	Responses	
Under represented	8.33%	13
Over represented	11.54%	18
About right	80.13%	125
<b>Total</b>		<b>156</b>

# Exhibit 3 Maternal Newborn Nursing (MNN)

## 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

**Q8 Does this content adequately reflect what is applied to daily practice relative to Newborn Assessment and Management?**

Answered: 156 Skipped: 10



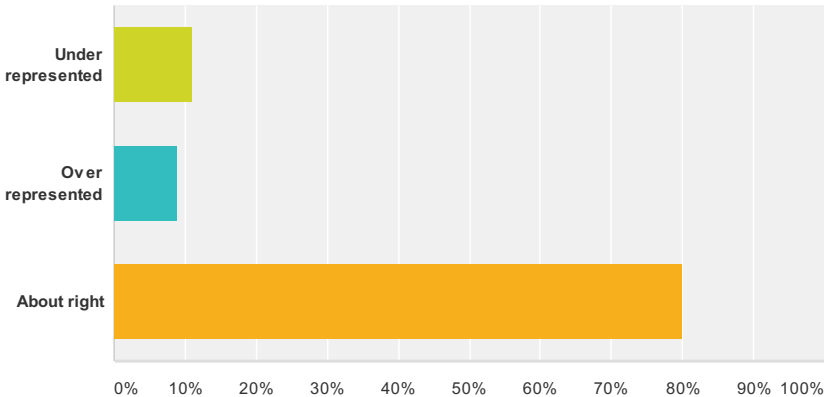
Answer Choices	Responses	
Yes	88.46%	138
No	11.54%	18
<b>Total</b>		<b>156</b>

# Exhibit 3 Maternal Newborn Nursing (MNN)

## 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

### Q10 Did you think the Professional Practice content tested on the exam was

Answered: 155 Skipped: 11



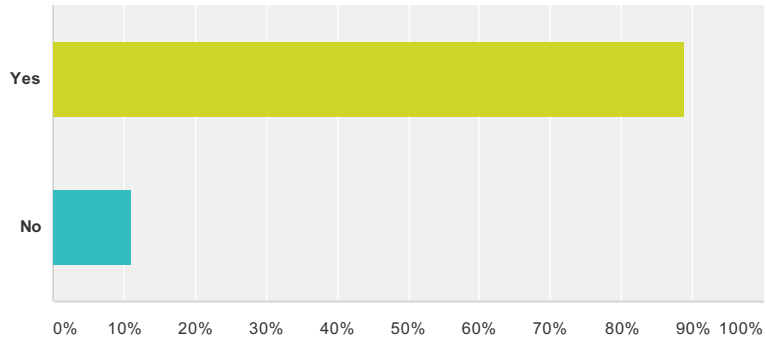
Answer Choices	Responses	
Under represented	10.97%	17
Over represented	9.03%	14
About right	80.00%	124
<b>Total</b>		<b>155</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

**Q11 Does this content adequately reflect what is applied to daily practice relative to Professional Practice?**

Answered: 155 Skipped: 11



Answer Choices	Responses	
Yes	89.03%	138
No	10.97%	17
<b>Total</b>		<b>155</b>

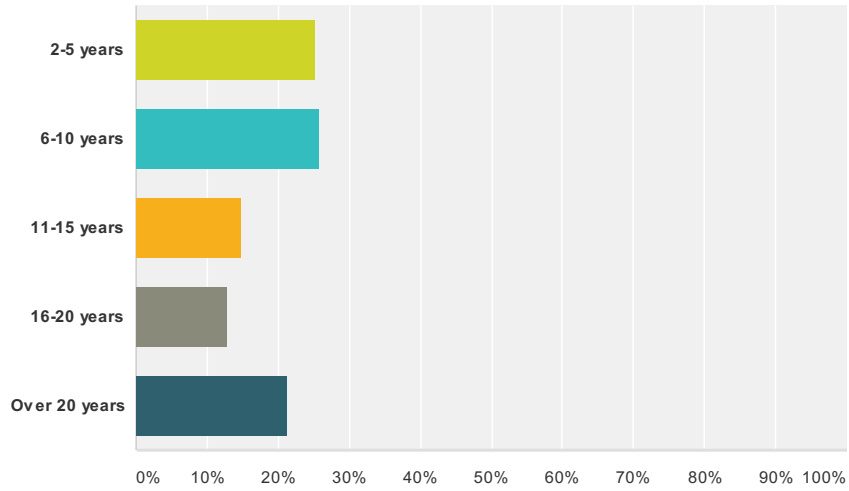


## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

#### Q13 How long have you been practicing in the maternal newborn nursing specialty?

Answered: 155 Skipped: 11



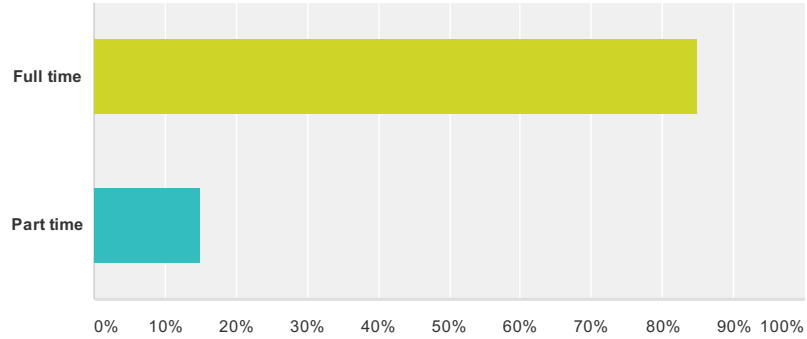
Answer Choices	Responses	
2-5 years	25.16%	39
6-10 years	25.81%	40
11-15 years	14.84%	23
16-20 years	12.90%	20
Over 20 years	21.29%	33
<b>Total</b>		<b>155</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

#### Q14 Do you work

Answered: 154 Skipped: 12



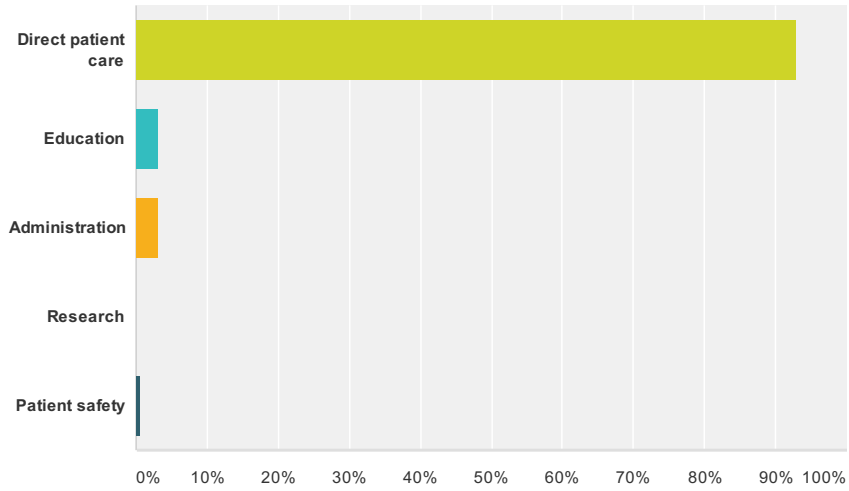
Answer Choices	Responses	
Full time	85.06%	131
Part time	14.94%	23
<b>Total</b>		<b>154</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

#### Q15 What is your major focus of your practice?

Answered: 155 Skipped: 11



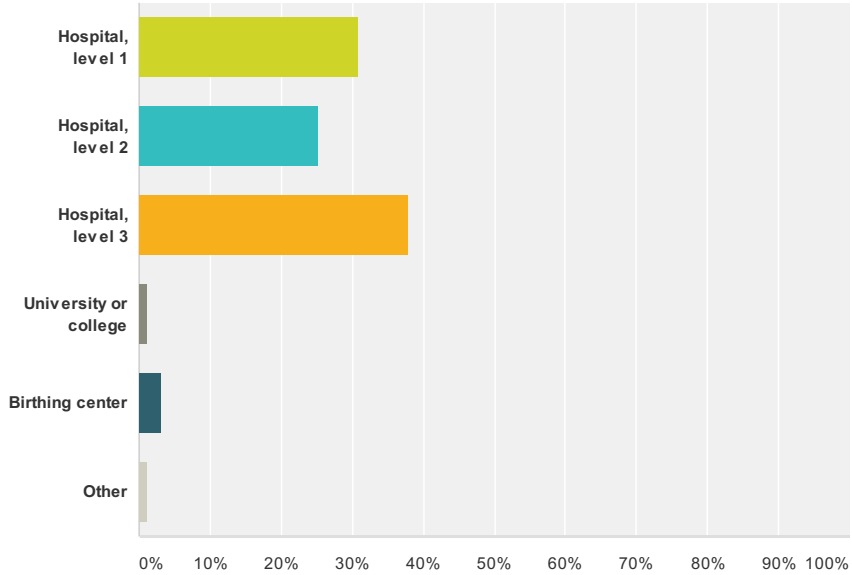
Answer Choices	Responses	
Direct patient care	92.90%	144
Education	3.23%	5
Administration	3.23%	5
Research	0.00%	0
Patient safety	0.65%	1
<b>Total</b>		<b>155</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

#### Q16 Where do you work?

Answered: 155 Skipped: 11



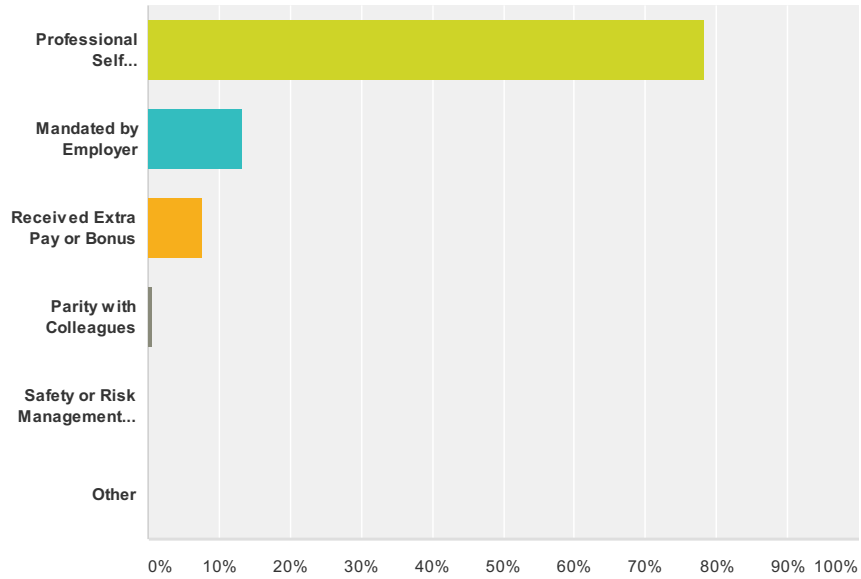
Answer Choices	Responses	Count
Hospital, level 1	30.97%	48
Hospital, level 2	25.16%	39
Hospital, level 3	38.06%	59
University or college	1.29%	2
Birthing center	3.23%	5
Other	1.29%	2
<b>Total</b>		<b>155</b>

## Exhibit 3 Maternal Newborn Nursing (MNN)

### 2013-2014 Maternal Newborn Nursing - Post Exam Feedback Survey

#### Q17 Why did you primarily seek certification? (select one)

Answered: 157 Skipped: 9



Answer Choices	Responses	Count
Professional Self Development	78.34%	123
Mandated by Employer	13.38%	21
Received Extra Pay or Bonus	7.64%	12
Parity with Colleagues	0.64%	1
Safety or Risk Management Initiative	0.00%	0
Other	0.00%	0
<b>Total</b>		<b>157</b>