



NCC Task Analysis Content Validation Study

Maternal Newborn Nursing Neonatal Nursing 2004

Final Report

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1. Background and Overview

The purpose of the task analysis/content validation study is to describe the domain of practice, knowledge, skills and abilities that are essential to the specialty practice of the Maternal Newborn Nurse.

The application of the data collected is used to identify test content to be included in the NCC examinations to insure the examinations are reflective of current practice, skills and knowledge.

The focus of the NCC Maternal Newborn Nursing certification examination is to demonstrate the special knowledge of the Maternal Newborn Nurse.

Phase I of the project included

- Logistic review: NCC content team members, a geographically diverse group representing both academic and clinical practice venues were charged to develop a list knowledge components and tasks as associated with the existent test outlines.
- Development process and data collection
- Statistical compilation of the data

Phase II of the project included

Review of the data collected using a holistic approach to analysis. The following areas were described:

Employment Setting	Environmental set up and census
Practice Characteristics	Type of Patients and Practice Decision Making
Patient Conditions	Conditions assessed and managed
Drug Management	Administration and Monitoring
Laboratory Tests and Diagnostic Studies Studies	Performance & Interpretation
Skills	Expected competencies

For the nursing management of conditions (patient interventions), participants were asked the following questions:

How frequently do you manage pregnant women with

Cardiac disease
Diabetes
Epilepsy
Hepatitis
Herpes
HIV
Hypertension
Infections
Renal disease
Liver disease
Substance abuse problems
Preterm labor
Sickle cell disease
Tuberculosis
Multiple gestation
SLE
IUGR
Oligohydramnios
Polyhydramnios
Hypemesis gravidarum

Postpartum endometritis
Vaginal infections
Hypertension
HELLP syndrome
DIC
Diabetes
Anemia
Rh sensitization

How frequently do you manage neonates with

Acyanotic heart disease
Cyanotic heart disease
Apnea
Congestive heart failure
Transient tachypnea of the newborn
RDS
Meconium aspiration
Diaphragmatic hernia
Intestinal obstruction
Congenital hip dislocation
Birth injuries
Anemia
Vitamin K deficiency
Rh disease
Polycythemia
Thrombocytopenia
Hyperbilirubinemia
Breastmilk jaundice
Seizures
Jitteriness
Intracranial hemorrhage
Neural tube defects
GU defects
Sepsis
Viral infections
Bacterial infections
STD infections
Hypoglycemia
Electrolyte imbalance
Inborn Errors of Metabolism
Chromosomal disorders
Infants of diabetic mothers

How frequently do you manage postpartum women with

Urinary retention
Bladder distention
Hemorrhoids
Afterpains
Perineal edema
Perineal pain
Postpartum constipation
Postpartum fatigue
Postpartum sleep disturbances
Postpartum blues
Postpartum depression
Breast engorgement
Sore nipples
Plugged ducts
Breast infections
Multiple birth
Hematoma
Thrombophlebitis
Postpartum Hemorrhage

Transient skin conditions
Hemangiomas
Ecchymosis
Auricular tags
Petechiae
Port wine stain
Pigmentation change
Infants exposed to alcohol in utero
Infants exposed to nicotine in utero
Infants exposed to cocaine in utero
Infants exposed to heroin/methadone in utero

Development of policy recommendations for the content team to consider in sustaining or altering the test outline for examination development will be completed at the content team meeting to be held in October 2004.

Phase II

Review of the data collected using a holistic approach to analysis. The area of concerns were

- Employment Setting
- Description of Practice Characteristics
- Patient Conditions
- Laboratory Tests/Diagnostic Procedures
- Drug Management
- Skills

The specific questions asked for each of the above areas are described in the Survey Template, Attachment 2.

Development Process

The process used to identify essential knowledge, skills and abilities is described in Attachment 1. The survey template is described in Attachment 2.

Data Collection

With psychometric consultation, the tasks/skills identified by the content team were formulated into a survey instrument. Questions asked for each knowledge component or task is shown on the survey template. All participants were asked the questions relevant to the areas of concern identified above. Because of the volume of the questions the survey was divided into three separate parts.

All NCC certified MN nurses of records (2249) were notified either via email contact or post card notice to go to the NCC website to complete the survey. 266 RNCs responded to the survey.

Part 1	89
Part 2	87
Part 3	90

In addition biographical information was also solicited as follows:

- Education level
- Practice Setting
- Length of Current Practice
- Geographic Location

Results

Summary of survey data are shown below:

Biographical Data

Practice Setting

Hospital	94%
Physician's office	1%
Academic setting	2%
Follow up clinic	---
Other	3%

Highest Level of Education

Doctorate	<1%
Master's	16%
BSN	42%
Associate degree	28%
Diploma	14%

How long have been a MN Nurse?

Less than a year	--
1-5 years	9%
6-10 years	24%
11-15 years	23%
16-20 years	13%
Over 20 years	31%

Where do you reside?

Northeast	28%
Southeast	24%
Midwest	21%
Northwest	109%
Southwest	17%

Employment Setting
Practice Characteristics
Laboratory Tests/Diagnostic Studies
Drug Management
Patient Conditions
Skills

These results are summarized in **Attachment 3**.

Attachment 1

TASK ANALYSIS CONTENT VALIDATION PROCEDURES

Purpose:

The purpose of the task analysis/content validation study is to describe the domain of practice, knowledge, skills and abilities that are essential to the specialty practice of the Maternal Newborn Nurse

Participants: The Content Teams are the responsible parties for development of task analysis content validation procedures

PHASE 1 DEVELOPMENT PROCESS

The identified development process utilized included:

Review of relevant practice standards and current literature

The following documents were reviewed:

- a. Review of relevant practice standards and current literature

The following documents were reviewed as appropriate:

- * Scope and Standards of Advanced Practice Registered Nurses, American Nurses' Association (ANA),
 - * Neonatal Nursing: Orientation and Development for Registered and Advanced Practice Nursing in Basic and Intensive Care Setting, Association of Women's Health, Obstetric and Neonatal Nurses (AWHONN),
 - * Standards and Guidelines for Professional Nursing Practice in the Care of Women and Newborns , Association of Women's Health, Obstetrics and Neonatal Nurses (AWHONN).
 - * Nurse Providers of Neonatal Care: Guidelines for Educational Development and Practice, Association of Women's Health, Obstetrics and Neonatal Nurses (AWHONN).
- b. Review of current NCC competency statements and general and detailed test outlines for the Maternal Newborn Nursing examination.
 - c. Identification of Essential Knowledge, Skills and Abilities

Identification of Essential Knowledge, Skills and Abilities

The MN Content Team based on the document review identified competencies and practice skills of the Maternal Newborn Nurse. General discussion about the current competency statements and content included in the test outline was also initiated. Based on this discussion, a list of knowledge components/task/skills were identified and prioritized.

PHASE II SURVEY TOOLS

A survey tool was developed based on the content teams' direction and psychometric consultation to insure that areas to be explored, practice characteristics, nursing management, drug management laboratory/diagnostic tests and skills are addressed. All MN certified nurses were invited to participate via email or postcard notice.

Raw data was compiled using a percentage scoring system. This assigns a percentage value for each question asked about each task, skill or knowledge component. Actual percentage ratings were recorded.



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Maternal Newborn Nursing Survey Template

Instructions to Survey Takers

We need your input to insure that the NCC Maternal Newborn Nursing (MN) examination is reflective of current MN practice. This survey relates to the type of patient you deal with, disposition of care and the nature and frequency of the conditions you manage. The data from this survey will be used by the NCC MN Content Team to make revisions to the content outline from which questions are derived for assessment of special knowledge on the NCC Maternal Newborn Nursing examination.

Employment Setting

Is your institution a

- Level 1
- Level 2
- Level 3
- Other

Is your unit set up as

- Traditional unit, separate from L& D and Postpartum
- LDR or LDRP
- Single Room Maternity Care
- Other

What is the average length of stay

- Less than 2 days
- 2-4 days
- 5-7 days
- More than 7 days

Patient Characteristics

In given month, what percentage of your time is devoted to

- Antepartum patients
- Laboring patients
- Postpartum patients
- Normal newborns
- High Risk Neonates
- Home Care
- Direct maternal care
- Direct neonatal care
- Parent teaching
- Administrative tasks
- Tasks not listed

Patient Conditions

How frequently do you manage pregnant women with

- Cardiac disease
- Diabetes
- Epilepsy
- Hepatitis
- Herpes
- HIV
- Hypertension
- Infections
- Renal disease
- Liver disease
- Substance abuse problems
- Preterm labor
- Sickle cell disease
- Tuberculosis
- Multiple gestation
- SLE
- IUGR
- Oligohydramnios
- Polyhydramnios
- Hypemesis gravidarum

How frequently do you manage postpartum women with

- Urinary retention
- Bladder distention
- Hemorrhoids
- Afterpains
- Perineal edema
- Perineal pain
- Postpartum constipation
- Postpartum fatigue

Postpartum sleep disturbances
 Postpartum blues
 Postpartum depression
 Breast engorgement
 Sore nipples
 Plugged ducts
 Breast infections
 Multiple birth
 Hematoma
 Thrombophlebitis
 Postpartum Hemorrhage
 Postpartum endometritis
 Vaginal infections
 Hypertension
 HELLP syndrome
 DIC
 Diabetes
 Anemia
 Rh sensitization

How frequently do you manage neonates with

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 Transient tachypnea of the newborn
 RDS
 Meconium aspiration
 Diaphragmatic hernia
 Intestinal obstruction
 Congenital hip dislocation
 Birth injuries
 Anemia
 Vitamin K deficiency
 Rh disease
 Polycythemia
 Thrombocytopenia
 Hyperbilirubinemia
 Breastmilk jaundice
 Seizures
 Jitteriness
 Intracranial hemorrhage
 Neural tube defects
 GU defects
 Sepsis
 Viral infections
 Bacterial infections
 STD infections
 Hypoglycemia
 Electrolyte imbalance
 Inborn Errors of Metabolism
 Chromosomal disorders
 Infants of diabetic mothers
 Transient skin conditions
 Hemangiomas
 Ecchymosis
 Auricular tags

Petechiae
 Port wine stain
 Pigmentation change
 Infants exposed to alcohol in utero
 Infants exposed to nicotine in utero
 Infants exposed to cocaine in utero
 Infants exposed to heroin/methadone in utero

Laboratory Tests and Diagnostic Studies

Do you manage women requiring a

Complete blood count
 White count
 Urinalysis
 Coagulation studies
 Serum glucose
 Rh typing
 Coombs Testing
 Kleihauer Betke
 Apt test
 Viral studies
 Vaginal Cultures
 Pap smear

Do you manage neonates requiring a

Complete blood count
 White count with differential
 Hematocrit
 Hemoglobin
 Platelet count
 Serum glucose
 Coombs testing
 Bilirubin levels
 Calcium levels
 Electrolyte measurements
 Urine culture
 Stool culture
 Newborn screening
 T4 assay

Drugs

Do you administer or care for women receiving

Antimicrobials
 Antihypertensive drugs
 Diuretics
 Insulin
 Anticonvulsants
 Anticoagulants
 Analgesia/narcotics
 Sedatives/Hypnotics
 Antacids/GI Motility Drugs

Do you administer or care for neonates receiving
 Antimicrobials
 Antihypertensive drugs
 Diuretics
 Anticonvulsants
 Bronchodilators
 Resuscitation drugs
 Respiratory Stimulants
 Anticoagulants
 Antidysrhythmia drugs
 Steroids
 Surfactant replacement therapy
 Vaccinations
 Analgesia/narcotics
 Sedatives/hypnotics
 Anesthetics/paralytics
 Vitamins
 Antacids/GI motility drugs

Skills

How frequently do you

Review maternal history
 Interpret the significance of antepartum history
 Interpret the significance of intrapartum history
 Interpret the significance of fetal assessment tests and procedures
 Obtain maternal vital signs
 Measure fundal height
 Observe the perineum
 Palpate the uterus
 Observe lochia
 Monitor maternal input and output
 Perform a vaginal exam
 Provide maternal wound care
 Provide patient education on contraception
 Provide patient education on postpartum exercise
 Provide patient education on maternal nutrition
 Provide patient education on sexual activity
 Perform fundal massage
 Administer maternal pain medication
 Elicit the Homan sign
 Mix maternal insulin preparations
 Administer maternal insulin
 Provide patient teaching about lactation physiology
 Provide patient teaching about correct positioning/latch on
 Provide patient teaching about maternal nutritional requirements
 Provide patient about breast care
 Provide patient about contraindications to breastfeeding

Provide patient teaching about nipple shields
 Monitor patients for nipple soreness
 Monitor patients for breast engorgement
 Monitor patients for mastitis
 Observe parent infant attachment
 Observe for parental stress response
 Counsel siblings
 Administer oxygen to neonates
 Take neonatal vital signs
 Manage neonatal thermoregulation needs
 Engage in neonatal resuscitation efforts
 Perform Apgar scoring
 Auscultate neonatal heart sounds
 Auscultate neonatal lung sounds
 Auscultate neonate bowel sounds
 Perform gestational age assessment
 Perform a general neonatal physical exam
 Perform a neurological assessment exams
 Perform neonatal behavioral exams
 Provide cord care
 Bathe infants
 Provide post circumcision care
 Feed infants
 Assess capillary refill
 Perform heel sticks
 Perform Ortolani maneuver
 Review neonatal genetic history
 Obtain informed consent
 Document care
 Read research articles
 Participate in research projects

Practice Demographics

Is certification required for your position?
 Does your employer recognize certification?

Biographical Data

Practice Setting

Hospital
 Physician's office
 Academic setting
 Follow up clinic
 Home care
 Other

Highest Level of Education

Ph.D.
 Master's
 Baccalaureate
 Associate
 Diploma

How long have been a Maternal Newborn Nurse

- 1-5 years
- 6-10 years
- 11-15 years
- 16-20 years
- Over 20 years

Location

- Northeast
- Southeast
- Midwest
- Northwest
- Southwest

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Employment Setting
(Number of Respondents = 266)

Is your institution a	N	%
Level 1	45	17.0
Level 2	105	39.5
Level 3	97	36.5
Other	19	7.2

Is your unit set up as	N	%
Traditional, separate from L&D & Postpartum LDR or LDRP	110	41.4
Single Room Maternity Care	20	7.6
Other	33	12.4

Patient Characteristics
(Number of Respondents = 266)

In a given month, what percentage of your time is devoted to ANTEPARTUM PATIENTS ?	N	%
Less than 10%	134	50.4
10-25%	92	34.6
26-50%	30	11.3
51-75%	7	2.7
76-100%	3	1.2

In a given month, what percentage of your time is devoted to LABORING PATIENTS ?	N	%
Less than 10%	179	67.3
10-25%	18	6.8
26-50%	33	12.4
51-75%	27	10.2
76-100%	9	3.4

In a given month, what percentage of your time is devoted to POSTPARTUM PATIENTS ?	N	%
Less than 10%	37	13.9
10-25%	42	15.8
26-50%	50	18.8
51-75%	36	13.6
76-100%	101	38.0

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

In a given month, what percentage of your time is devoted to NORMAL NEWBORNS?	N	%
Less than 10%	22	8.3
10-25%	30	11.3
26-50%	52	19.6
51-75%	49	18.5
76-100%	113	42.5

In a given month, what percentage of your time is devoted to HIGH RISK NEONATES?	N	%
Less than 10%	188	70.7
10-25%	46	17.3
26-50%	16	6.1
51-75%	7	2.7
76-100%	9	3.4

In a given month, what percentage of your time is devoted to FAMILY CENTERED CARE?	N	%
Less than 10%	30	11.3
10-25%	23	8.7
26-50%	14	5.3
51-75%	24	9.1
76-100%	175	65.8

In a given month, what percentage of your time is devoted to HOME CARE?	N	%
Less than 10%	240	90.3
10-25%	14	5.3
26-50%	4	1.5
51-75%	0	0
76-100%	8	3.0

In a given month, what percentage of your time is devoted to DIRECT BEDSIDE MATERNAL CARE?	N	%
Less than 10%	47	17.7
10-25%	18	6.8
26-50%	32	12.1
51-75%	48	18.1
76-100%	121	79.7

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

In a given month, what percentage of your time is devoted to DIRECT BEDSIDE NEONATAL CARE?	N	%
Less than 10%	58	21.8
10-25%	23	8.7
26-50%	44	16.6
51-75%	40	15.1
76-100%	101	38.0

In a given month, what percentage of your time is devoted to PARENT TEACHING?	N	%
Less than 10%	17	6.4
10-25%	26	9.8
26-50%	56	21.1
51-75%	78	29.4
76-100%	89	33.5

In a given month, what percentage of your time is devoted to DISCHARGE PLANNING?	N	%
Less than 10%	45	17.0
10-25%	68	25.6
26-50%	40	15.1
51-75%	53	20.0
76-100%	60	22.6

In a given month, what percentage of your time is devoted to ADMINISTRATIVE TASKS?	N	%
Less than 10%	116	43.6
10-25%	86	32.4
26-50%	34	12.8
51-75%	16	6.1
76-100%	14	5.3

In a given month, what percentage of your time is devoted to OTHER TASKS NOT LISTED ABOVE?	N	%
Less than 10%	162	60.9
10-25%	67	25.2
26-50%	26	9.8
51-75%	6	2.3
76-100%	5	1.9

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Patient Conditions

How frequently do you manage WOMEN with CARDIAC DISEASE?	N (of 89)	%
Everyday	0	0
A few times a week	4	4.5
A few times a month	10	11.2
A few times a year	65	73.0
Never	10	11.2

How frequently do you manage WOMEN with DIABETES?	N (of 87)	%
Everyday	3	3.4
A few times a week	22	25.3
A few times a month	37	42.5
A few times a year	19	21.8
Never	6	6.9

How frequently do you manage WOMEN with EPILEPSY?	N (of 90)	%
Everyday	1	1.1
A few times a week	1	1.1
A few times a month	3	3.3
A few times a year	61	67.8
Never	24	26.7

How frequently do you manage WOMEN with HEPATITIS?	N (of 89)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	9	10.1
A few times a year	65	73.0
Never	14	15.7

How frequently do you manage WOMEN with HERPES?	N (of 87)	%
Everyday	1	1.1
A few times a week	9	10.3
A few times a month	27	31.0
A few times a year	44	50.6
Never	6	6.9

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage WOMEN with HIV ?	N (of 90)	%
Everyday	1	1.1
A few times a week	1	1.1
A few times a month	7	7.8
A few times a year	50	55.6
Never	31	34.4

How frequently do you manage WOMEN with HYPERTENSION ?	N (of 89)	%
Everyday	14	15.7
A few times a week	38	42.7
A few times a month	30	33.7
A few times a year	5	5.6
Never	2	2.2

How frequently do you manage WOMEN with INFECTIONS ?	N (of 87)	%
Everyday	5	5.7
A few times a week	22	25.3
A few times a month	37	42.5
A few times a year	18	20.7
Never	5	5.7

How frequently do you manage WOMEN with RENAL DISEASE ?	N (of 90)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	9	10.0
A few times a year	48	53.3
Never	32	35.6

How frequently do you manage WOMEN with LIVER DISEASE ?	N (of 89)	%
Everyday	0	0
A few times a week	2	2.2
A few times a month	10	11.2
A few times a year	52	58.4
Never	25	28.1

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage WOMEN with SUBSTANCE ABUSE?	N (of 87)	%
Everyday	3	3.4
A few times a week	6	6.9
A few times a month	25	28.7
A few times a year	46	52.9
Never	7	8.0

How frequently do you manage WOMEN with PRETERM LABOR?	N (of 90)	%
Everyday	7	7.8
A few times a week	18	20.0
A few times a month	26	28.9
A few times a year	18	20.0
Never	21	23.3

How frequently do you manage WOMEN with SICKLE CELL DISEASE?	N (of 89)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	6	6.7
A few times a year	55	61.8
Never	27	30.3

How frequently do you manage WOMEN with TUBERCULOSIS?	N (of 87)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	1	1.1
A few times a year	18	20.7
Never	67	77.0

How frequently do you manage WOMEN with MULTIPLE GESTATIONS?	N (of 90)	%
Everyday	4	4.4
A few times a week	5	5.6
A few times a month	23	25.6
A few times a year	42	46.7
Never	16	17.8

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage WOMEN with SYSTEMIC LUPUS ERYTHEMATOSUS (SLE) ?	N (of 89)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	2	2.2
A few times a year	58	65.2
Never	28	31.5

How frequently do you manage WOMEN with PREGNANCY COMPLICATED BY IUGR ?	N (of 87)	%
Everyday	2	2.3
A few times a week	7	8.0
A few times a month	32	36.8
A few times a year	36	41.4
Never	10	11.5

How frequently do you manage WOMEN with OLIGOHYDRAMNIOS ?	N (of 90)	%
Everyday	0	0
A few times a week	14	15.6
A few times a month	26	28.9
A few times a year	28	31.1
Never	22	24.4

How frequently do you manage WOMEN with POLYHYDRAMNIOS ?	N (of 89)	%
Everyday	1	1.1
A few times a week	2	2.2
A few times a month	31	34.8
A few times a year	44	49.4
Never	11	12.4

How frequently do you manage WOMEN with HYPEREMESIS GRAVIDARUM ?	N (of 87)	%
Everyday	1	1.1
A few times a week	5	5.7
A few times a month	20	23.0
A few times a year	37	42.5
Never	24	27.6

**2004 Maternal Newborn Content Validation/Task Analysis
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How frequently do you manage POSTPARTUM PATIENTS with URINARY RETENTION ?	N (of 89)	%
Everyday	4	4.5
A few times a week	10	11.2
A few times a month	32	36.0
A few times a year	32	36.0
Never	11	12.4

How frequently do you manage POSTPARTUM PATIENTS with BLADDER DISTENTION ?	N (of 87)	%
Everyday	3	3.4
A few times a week	14	16.1
A few times a month	34	39.1
A few times a year	28	32.2
Never	8	9.2

How frequently do you manage POSTPARTUM PATIENTS with HEMORRHOIDS ?	N (of 90)	%
Everyday	24	26.7
A few times a week	21	23.3
A few times a month	29	32.2
A few times a year	9	10.0
Never	7	7.8

How frequently do you manage POSTPARTUM PATIENTS with AFTER PAINS ?	N (of 89)	%
Everyday	62	69.7
A few times a week	14	15.7
A few times a month	5	5.6
A few times a year	5	5.6
Never	3	3.4

How frequently do you manage POSTPARTUM PATIENTS with PERINEAL EDEMA ?	N (of 87)	%
Everyday	23	26.4
A few times a week	25	28.7
A few times a month	18	20.7
A few times a year	15	17.2
Never	6	6.9

**2004 Maternal Newborn Content Validation/Task Analysis
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How frequently do you manage POSTPARTUM PATIENTS with PERINEAL PAIN ?	N (of 90)	%
Everyday	48	53.3
A few times a week	20	22.2
A few times a month	12	13.3
A few times a year	3	3.3
Never	7	7.8

How frequently do you manage POSTPARTUM PATIENTS with CONSTIPATION ?	N (of 89)	%
Everyday	15	16.9
A few times a week	24	27.0
A few times a month	23	25.8
A few times a year	21	23.6
Never	6	6.7

How frequently do you manage POSTPARTUM PATIENTS with FATIGUE ?	N (of 87)	%
Everyday	37	42.5
A few times a week	17	19.5
A few times a month	14	16.1
A few times a year	14	16.1
Never	5	5.7

How frequently do you manage POSTPARTUM PATIENTS with SLEEP DISTURBANCES ?	N (of 90)	%
Everyday	9	10.0
A few times a week	18	20.0
A few times a month	14	15.6
A few times a year	26	28.9
Never	23	25.6

How frequently do you manage PATIENTS with POSTPARTUM BLUES ?	N (of 89)	%
Everyday	3	3.4
A few times a week	22	24.7
A few times a month	34	38.2
A few times a year	23	25.8
Never	7	7.9

**2004 Maternal Newborn Content Validation/Task Analysis
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How frequently do you manage PATIENTS with POSTPATUM DEPRESSION?	N (of 87)	%
Everyday	1	1.1
A few times a week	11	12.6
A few times a month	18	20.7
A few times a year	47	54.0
Never	10	11.5

How frequently do you manage POSTPARTUM PATIENTS with BREAST ENGORGEMENT?	N (of 90)	%
Everyday	11	12.2
A few times a week	26	28.9
A few times a month	26	28.9
A few times a year	19	21.1
Never	8	8.9

How frequently do you manage POSTPARTUM PATIENTS with SORE NIPPLES?	N (of 89)	%
Everyday	35	39.3
A few times a week	27	30.3
A few times a month	19	21.3
A few times a year	5	5.6
Never	3	3.4

How frequently do you manage POSTPARTUM PATIENTS with PLUGGED DUCTS?	N (of 87)	%
Everyday	0	0
A few times a week	3	3.4
A few times a month	13	14.9
A few times a year	51	58.6
Never	20	23.0

How frequently do you manage POSTPARTUM PATIENTS with BREAST INFECTIONS?	N (of 90)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	6	6.7
A few times a year	44	48.9
Never	39	43.3

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage POSTPARTUM PATIENTS who had a MULTIPLE BIRTH ?	N (of 89)	%
Everyday	2	2.2
A few times a week	14	15.7
A few times a month	33	37.1
A few times a year	37	41.6
Never	3	3.4

How frequently do you manage POSTPARTUM PATIENTS with HEMATOMA ?	N (of 87)	%
Everyday	0	0
A few times a week	3	3.4
A few times a month	10	11.5
A few times a year	62	71.3
Never	12	13.8

How frequently do you manage POSTPARTUM PATIENTS with THROMBOPHLEBITIS ?	N (of 90)	%
Everyday	0	0
A few times a week	0	0
A few times a month	3	3.3
A few times a year	68	75.6
Never	19	21.1

How frequently do you manage POSTPARTUM PATIENTS who experienced HEMORRHAGE ?	N (of 89)	%
Everyday	1	1.1
A few times a week	9	10.1
A few times a month	26	29.2
A few times a year	49	55.1
Never	4	4.5

How frequently do you manage POSTPARTUM PATIENTS with ENDOMETRITIS ?	N (of 87)	%
Everyday	0	0
A few times a week	2	2.3
A few times a month	9	10.3
A few times a year	60	69.0
Never	16	18.4

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage POSTPARTUM PATIENTS with VAGINAL INFECTIONS ?	N (of 90)	%
Everyday	1	1.1
A few times a week	4	4.4
A few times a month	12	13.3
A few times a year	46	51.1
Never	27	30.0

How frequently do you manage POSTPARTUM PATIENTS with HYPERTENSION ?	N (of 89)	%
Everyday	10	11.2
A few times a week	31	34.8
A few times a month	34	38.2
A few times a year	10	11.2
Never	4	4.5

How frequently do you manage POSTPARTUM PATIENTS with HELLP SYNDROME ?	N (of 87)	%
Everyday	0	0
A few times a week	2	2.3
A few times a month	18	20.7
A few times a year	52	59.8
Never	15	17.2

How frequently do you manage POSTPARTUM PATIENTS with DIC ?	N (of 90)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	4	4.4
A few times a year	48	53.3
Never	37	41.1

How frequently do you manage POSTPARTUM PATIENTS with DIABETES ?	N (of 89)	%
Everyday	3	3.4
A few times a week	22	24.7
A few times a month	42	47.2
A few times a year	19	21.3
Never	3	3.4

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage POSTPARTUM PATIENTS with ANEMIA ?	N (of 87)	%
Everyday	4	4.6
A few times a week	19	21.8
A few times a month	35	40.2
A few times a year	23	26.4
Never	6	6.9

How frequently do you manage POSTPARTUM PATIENTS with Rh SENSITIZATION ?	N (of 90)	%
Everyday	0	0
A few times a week	6	6.7
A few times a month	17	18.9
A few times a year	38	42.2
Never	29	32.2

How frequently do you manage NEONATES with CYANOTIC HEART DISEASE ?	N (of 89)	%
Everyday	0	0
A few times a week	2	2.2
A few times a month	3	3.4
A few times a year	32	36.0
Never	52	58.4

How frequently do you manage NEONATES with ACYANOTIC HEART DISEASE ?	N (of 87)	%
Everyday	1	1.1
A few times a week	2	2.3
A few times a month	2	2.3
A few times a year	37	42.5
Never	45	51.7

How frequently do you manage NEONATES with APNEA ?	N (of 90)	%
Everyday	3	3.3
A few times a week	2	2.2
A few times a month	21	23.3
A few times a year	37	41.1
Never	27	30.0

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage NEONATES with CONGESTIVE HEART FAILURE?	N (of 89)	%
Everyday	0	0
A few times a week	0	0
A few times a month	1	1.1
A few times a year	14	15.7
Never	74	83.1

How frequently do you manage TRANSIENT TACHYPNEA OF THE NEWBORN?	N (of 87)	%
Everyday	3	3.4
A few times a week	18	20.7
A few times a month	41	47.1
A few times a year	18	20.7
Never	7	8.0

How frequently do you manage NEONATES with RDS?	N (of 90)	%
Everyday	3	3.3
A few times a week	3	3.3
A few times a month	12	13.3
A few times a year	28	31.1
Never	44	48.9

How frequently do you manage NEONATES with MECONIUM ASPIRATION?	N (of 89)	%
Everyday	0	0
A few times a week	8	9.0
A few times a month	14	15.7
A few times a year	43	48.3
Never	24	27.0

How frequently do you manage NEONATES with DIAPHRAGMATIC HERNIA?	N (of 87)	%
Everyday	0	0
A few times a week	0	0
A few times a month	1	1.1
A few times a year	26	29.9
Never	60	69.0

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage NEONATES with INTESTINAL OBSTRUCTION?	N (of 90)	%
Everyday	0	0
A few times a week	0	0
A few times a month	2	2.2
A few times a year	26	28.9
Never	62	68.9

How frequently do you manage NEONATES with CONGENITAL HIP DISLOCATION?	N (of 89)	%
Everyday	0	0
A few times a week	0	0
A few times a month	7	7.9
A few times a year	60	67.4
Never	22	24.7

How frequently do you manage NEONATES with BIRTH INJURIES?	N (of 87)	%
Everyday	1	1.1
A few times a week	3	3.4
A few times a month	16	18.4
A few times a year	54	62.1
Never	13	14.9

How frequently do you manage NEONATES with ANEMIA?	N (of 90)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	6	6.7
A few times a year	31	34.4
Never	52	57.8

How frequently do you manage NEONATES with VITAMIN K DEFICIENCY?	N (of 89)	%
Everyday	2	2.2
A few times a week	0	0
A few times a month	0	0
A few times a year	8	9.0
Never	79	88.8

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage NEONATES with Rh DISEASE?	N (of 87)	%
Everyday	0	0
A few times a week	9	10.3
A few times a month	8	9.2
A few times a year	33	37.9
Never	37	42.5

How frequently do you manage NEONATES with POLYCYTHEMIA?	N (of 90)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	6	6.7
A few times a year	44	48.9
Never	39	43.3

How frequently do you manage NEONATES with THROMBOCYTOPENIA?	N (of 89)	%
Everyday	0	0
A few times a week	0	0
A few times a month	1	1.1
A few times a year	39	43.8
Never	49	55.1

How frequently do you manage NEONATES with HYPERBILIRUBINEMIA?	N (of 87)	%
Everyday	11	12.6
A few times a week	33	37.9
A few times a month	29	33.3
A few times a year	9	10.3
Never	5	5.7

How frequently do you manage NEONATES with BREASTMILK JAUNDICE?	N (of 90)	%
Everyday	4	4.4
A few times a week	13	14.4
A few times a month	29	32.2
A few times a year	34	37.8
Never	10	11.1

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage NEONATES with SEIZURES?	N (of 89)	%
Everyday	0	0
A few times a week	0	0
A few times a month	2	2.2
A few times a year	38	42.7
Never	49	55.1

How frequently do you manage NEONATES with JITTERINESS?	N (of 87)	%
Everyday	10	11.5
A few times a week	29	33.3
A few times a month	30	34.5
A few times a year	15	17.2
Never	3	3.4

How frequently do you manage NEONATES with INTRACRANIAL HEMORRHAGE?	N (of 90)	%
Everyday	0	0
A few times a week	0	0
A few times a month	1	1.1
A few times a year	18	20.0
Never	71	78.9

How frequently do you manage NEONATES with NEURAL TUBE DEFECTS?	N (of 89)	%
Everyday	0	0
A few times a week	0	0
A few times a month	2	2.2
A few times a year	18	20.2
Never	69	77.5

How frequently do you manage NEONATES with GU DEFECTS?	N (of 87)	%
Everyday	2	2.3
A few times a week	0	0
A few times a month	5	5.7
A few times a year	46	52.9
Never	34	39.1

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage NEONATES with SEPSIS ?	N (of 90)	%
Everyday	2	2.2
A few times a week	5	5.6
A few times a month	17	18.9
A few times a year	38	42.2
Never	28	31.1

How frequently do you manage NEONATES with VIRAL INFECTIONS ?	N (of 89)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	10	11.2
A few times a year	40	44.9
Never	38	42.7

How frequently do you manage NEONATES with BACTERIAL INFECTIONS ?	N (of 87)	%
Everyday	3	3.4
A few times a week	5	5.7
A few times a month	33	37.9
A few times a year	29	33.3
Never	17	19.5

How frequently do you manage NEONATES with STD INFECTIONS ?	N (of 90)	%
Everyday	0	0
A few times a week	0	0
A few times a month	6	6.7
A few times a year	32	35.6
Never	52	57.8

How frequently do you manage NEONATES with HYPOGLYCEMIA ?	N (of 89)	%
Everyday	11	12.4
A few times a week	28	31.5
A few times a month	29	32.6
A few times a year	15	16.9
Never	6	6.7

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage NEONATES with ELECTROLYTE IMBALANCE?	N (of 87)	%
Everyday	3	3.4
A few times a week	3	3.4
A few times a month	9	10.3
A few times a year	39	44.8
Never	33	37.9

How frequently do you manage NEONATES with INBORN ERRORS OF METABOLISM?	N (of 90)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	2	2.2
A few times a year	25	27.8
Never	62	68.9

How frequently do you manage NEONATES with CHROMOSOMAL DISORDERS?	N (of 89)	%
Everyday	0	0
A few times a week	1	1.1
A few times a month	7	7.9
A few times a year	60	67.4
Never	21	23.6

How frequently do you manage INFANTS of DIABETIC MOTHERS?	N (of 87)	%
Everyday	5	5.7
A few times a week	27	31.0
A few times a month	33	37.9
A few times a year	19	21.8
Never	3	3.4

How frequently do you manage NEONATES with TRANSIENT SKIN VARIATIONS (i.e. ERYTHEMA TOXICUM, MILIA, ETC.)?	N (of 90)	%
Everyday	28	31.1
A few times a week	29	32.2
A few times a month	11	12.2
A few times a year	12	13.3
Never	10	11.1

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage NEONATES with HEMANGIOMAS ?	N (of 89)	%
Everyday	0	0
A few times a week	4	4.5
A few times a month	5	5.6
A few times a year	51	57.3
Never	29	32.6

How frequently do you manage NEONATES with ECCHYMOSIS ?	N (of 87)	%
Everyday	6	6.9
A few times a week	13	14.9
A few times a month	31	35.6
A few times a year	24	27.6
Never	13	14.9

How frequently do you manage NEONATES with AURICULAR TAGS ?	N (of 90)	%
Everyday	1	1.1
A few times a week	4	4.4
A few times a month	18	20.0
A few times a year	53	58.9
Never	14	15.6

How frequently do you manage NEONATES with PETECHIAE ?	N (of 89)	%
Everyday	7	7.9
A few times a week	8	9.0
A few times a month	25	28.1
A few times a year	41	46.1
Never	8	9.0

How frequently do you manage NEONATES with PORT WINE STAIN ?	N (of 87)	%
Everyday	0	0
A few times a week	0	0
A few times a month	5	5.7
A few times a year	63	72.4
Never	19	21.8

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you manage NEONATES with PIGMENTATION CHANGE?	N (of 90)	%
Everyday	3	3.3
A few times a week	12	13.3
A few times a month	12	13.3
A few times a year	32	35.6
Never	31	34.4

How frequently do you manage INFANTS EXPOSED to ALCOHOL?	N (of 89)	%
Everyday	2	2.2
A few times a week	7	7.9
A few times a month	4	4.5
A few times a year	62	69.7
Never	14	15.7

How frequently do you manage INFANTS EXPOSED to NICOTINE?	N (of 87)	%
Everyday	17	19.5
A few times a week	30	34.5
A few times a month	24	27.6
A few times a year	9	10.3
Never	7	8.0

How frequently do you manage INFANTS EXPOSED to COCAINE?	N (of 90)	%
Everyday	2	2.2
A few times a week	5	5.6
A few times a month	25	27.8
A few times a year	44	48.9
Never	14	15.6

How frequently do you manage INFANTS EXPOSED to HEROIN/METHADONE?	N (of 89)	%
Everyday	2	2.2
A few times a week	1	1.1
A few times a month	17	19.1
A few times a year	47	52.8
Never	22	24.7

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Laboratory Tests and Diagnostic Studies
(Number of Respondents = 266)

Do you manage WOMEN requiring a COMPLETE BLOOD COUNT?	N	%
Yes	244	91.8
No	22	8.3

Do you manage WOMEN requiring a WHITE BLOOD COUNT?	N	%
Yes	236	88.8
No	30	11.3

Do you manage WOMEN requiring a URINALYSIS?	N	%
Yes	241	90.6
No	25	9.4

Do you manage WOMEN requiring COAGULATION STUDIES?	N	%
Yes	229	86.1
No	37	13.9

Do you manage WOMEN requiring a SERUM GLUCOSE LEVEL?	N	%
Yes	238	89.5
No	28	10.6

Do you manage WOMEN requiring Rh TYPING?	N	%
Yes	245	92.1
No	21	7.9

Do you manage WOMEN requiring COOMBS TESTING?	N	%
Yes	188	70.7
No	78	29.4

Do you manage WOMEN requiring KLEIHAUER BETKE TESTING?	N	%
Yes	183	68.8
No	83	31.2

Do you manage WOMEN requiring an APT TEST?	N	%
Yes	120	45.2
No	146	54.9

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Do you manage WOMEN requiring VIRAL STUDIES ?	N	%
Yes	177	66.6
No	89	35.5

Do you manage WOMEN requiring BACTERIAL CULTURES ?	N	%
Yes	238	89.5
No	28	10.6

Do you manage WOMEN requiring VAGINAL CULTURES ?	N	%
Yes	223	83.9
No	43	16.2

Do you manage WOMEN requiring a PAP SMEAR ?	N	%
Yes	88	33.1
No	178	67.0

Do you manage NEONATES requiring a COMPLETE BLOOD COUNT ?	N	%
Yes	241	90.6
No	25	9.4

Do you manage NEONATES requiring a WHITE COUNT with DIFFERENTIAL ?	N	%
Yes	237	89.1
No	29	10.9

Do you manage NEONATES requiring a HEMATOCRIT ?	N	%
Yes	239	89.9
No	27	10.2

Do you manage NEONATES requiring a HEMOGLOBIN LEVEL ?	N	%
Yes	234	88.0
No	32	12.1

Do you manage NEONATES requiring a PLATELET COUNT ?	N	%
Yes	220	82.7
No	46	17.3

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Do you manage NEONATES requiring a SERUM GLUCOSE LEVEL?	N	%
Yes	244	91.8
No	22	8.3

Do you manage NEONATES requiring COOMBS TESTING?	N	%
Yes	244	91.8
No	22	8.3

Do you manage NEONATES requiring BILIRUBIN LEVELS?	N	%
Yes	244	91.8
No	22	8.3

Do you manage NEONATES requiring a CALCIUM LEVEL?	N	%
Yes	165	62.1
No	101	38.0

Do you manage NEONATES requiring ELECTROLYTE MEASUREMENTS?	N	%
Yes	161	60.6
No	105	39.5

Do you manage NEONATES requiring a URINE CULTURE?	N	%
Yes	171	64.3
No	95	35.8

Do you manage NEONATES requiring a STOOL CULTURE?	N	%
Yes	120	45.2
No	146	54.9

Do you manage NEONATES requiring NEWBORN SCREENING (PKU, etc.?)	N	%
Yes	247	92.9
No	19	7.2

Do you manage NEONATES requiring a T₄ ASSAY?	N	%
Yes	101	38.0
No	165	62.1

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Drug Administration
(Number of Respondents = 266)

Do you administer or care for WOMEN receiving ANTIMICROBIALS?	N	%
Yes	228	85.8
No	38	14.2

Do you administer or care for WOMEN receiving ANTHYPERTENSIVES?	N	%
Yes	239	89.9
No	27	10.1

Do you administer or care for WOMEN receiving DIURETICS?	N	%
Yes	185	69.6
No	81	30.4

Do you administer or care for WOMEN receiving ANTICONVULSANTS?	N	%
Yes	214	80.5
No	52	19.5

Do you administer or care for WOMEN receiving ANTICOAGULANTS?	N	%
Yes	219	82.4
No	47	17.6

Do you administer or care for WOMEN receiving INSULIN?	N	89.9%
Yes	239	10.1
No	27	

Do you administer or care for WOMEN receiving ANALGESIA/NARCOTICS?	N	%
Yes	246	92.5
No	19	7.5

Do you administer or care for WOMEN receiving SEDATIVES/HYPNOTICS?	N	%
Yes	225	84.6
No	41	15.4

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Do you administer or care for WOMEN receiving ANTACIDS/GI MOTILITY DRUGS?	N	%
Yes	242	91.0
No	24	9.0

Do you administer or care for NEONATES receiving ANTIMICROBIALS?	N	%
Yes	169	63.6
No	97	36.4

Do you administer or care for NEONATES receiving ANTIHYPERTENSIVE DRUGS?	N/	%
Yes	27	10.1
No	239	89.9

Do you administer or care for NEONATES receiving DIURETICS?	N	%
Yes	41	15.4
No	225	84.6

Do you administer or care for NEONATES receiving ANTICONVULSANTS?	N	%
Yes	77	28.9
No	189	71.1

Do you administer or care for NEONATES receiving BRONCHODILATORS?	N	%
Yes	47	17.6
No	219	82.4

Do you administer or care for NEONATES receiving RESUSCITATION DRUGS?	N	%
Yes	122	45.8
No	144	54.2

Do you administer or care for NEONATES receiving RESPIRATORY STIMULANTS?	N	%
Yes	75	28.2
No	191	71.8

Do you administer or care for NEONATES receiving ANTICOAGULANTS?	N	%
Yes	26	9.7
No	240	90.3

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Do you administer or care for NEONATES receiving ANTIDYSRHYTHMIC DRUGS?	N	%
Yes	25	9.4
No	241	90.6

Do you administer or care for NEONATES receiving STEROIDS?	N	%
Yes	44	16.5
No	222	83.5

Do you administer or care for NEONATES receiving SURFACTANT REPLACEMENT THERAPY?	N	%
Yes	50	18.8
No	216	81.2

Do you administer or care for NEONATES receiving VACCINATIONS?	N	%
Yes	229	86.1
No	37	13.9

Do you administer or care for NEONATES receiving ANALGESIA/NARCOTICS?	N	%
Yes	138	51.9
No	128	48.1

Do you administer or care for NEONATES receiving SEDATIVES/HYPNOTICS?	N	%
Yes	47	17.6
No	219	82.4

Do you administer or care for NEONATES receiving ANESTHETICS/PARALYTICS?	N	%
Yes	40	15.0
No	266	85.0

Do you administer or care for NEONATES receiving VITAMINS?	N	%
Yes	146	54.9
No	120	45.1

Do you administer or care for NEONATES receiving ANTACIDS/GI MOTILITY DRUGS?	N	%
Yes	67	25.1
No	199	74.9

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Maternal Newborn Nursing Skills

How frequently do you REVIEW MATERNAL HISTORY?	N (of 87)	%
Everyday	69	79.3
A few times a week	13	14.9
A few times a month	1	1.1
A few times a year	4	4.6
Never	0	0

How frequently do you INTERPRET THE SIGNIFICANCE OF ANTEPARTUM HISTORY?	N (of 90)	%
Everyday	63	70.0
A few times a week	17	18.9
A few times a month	3	3.3
A few times a year	2	2.2
Never	5	5.6

How frequently do you INTERPRET THE SIGNIFICANCE OF INTRAPARTUM HISTORY?	N (of 89)	%
Everyday	72	80.9
A few times a week	9	10.1
A few times a month	5	5.6
A few times a year	1	1.1
Never	2	2.2

How frequently do you INTERPRET THE SIGNIFICANCE OF FETAL ASSESSMENT TEST PROCEDURES (i.e., BIOPHYSICAL PROFILE)?	N (of 87)	%
Everyday	29	33.3
A few times a week	24	27.6
A few times a month	7	8.0
A few times a year	5	5.7
Never	22	25.3

How frequently do you OBTAIN MATERNAL VITAL SIGNS?	N (of 90)	%
Everyday	73	81.1
A few times a week	7	7.8
A few times a month	2	2.2
A few times a year	2	2.2
Never	6	6.7

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you MEASURE FUNDAL HEIGHT?	N (of 89)	%
Everyday	28	31.5
A few times a week	6	6.7
A few times a month	6	6.7
A few times a year	12	13.5
Never	37	41.6

How frequently do you OBSERVE THE PERINEUM?	N (of 87)	%
Everyday	62	71.3
A few times a week	12	13.8
A few times a month	3	3.4
A few times a year	3	3.4
Never	7	8.0

How frequently do you PALPATE THE UTERUS?	N (of 90)	%
Everyday	66	73.3
A few times a week	7	7.8
A few times a month	3	3.3
A few times a year	3	3.3
Never	11	12.2

How frequently do you OBSERVE LOCHIA?	N (of 89)	%
Everyday	67	75.3
A few times a week	9	10.1
A few times a month	3	3.4
A few times a year	6	6.7
Never	4	4.5

How frequently do you MONITOR MATERNAL IN & OUT (I&O)?	N (of 87)	%
Everyday	54	62.1
A few times a week	18	20.7
A few times a month	4	4.6
A few times a year	2	2.3
Never	9	10.3

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you PERFORM A MATERNAL VAGINAL EXAM?	N (of 90)	%
Everyday	20	22.2
A few times a week	6	6.7
A few times a month	5	5.6
A few times a year	8	8.9
Never	51	56.7

How frequently do you PROVIDE MATERNAL WOUND CARE?	N (of 89)	%
Everyday	40	44.9
A few times a week	19	21.3
A few times a month	10	11.2
A few times a year	14	15.7
Never	6	6.7

How frequently do you PROVIDE PATIENT EDUCATION ON CONTRACEPTION?	N (of 87)	%
Everyday	23	26.4
A few times a week	20	23.0
A few times a month	20	23.0
A few times a year	9	10.3
Never	15	17.2

How frequently do you PROVIDE PATIENT EDUCATION ON POSTPARTUM EXERCISE?	N (of 90)	%
Everyday	32	35.6
A few times a week	27	30.0
A few times a month	9	10.0
A few times a year	4	4.4
Never	18	20.0

How frequently do you PROVIDE PATIENT EDUCATION ON MATERNAL NUTRITION?	N (of 89)	%
Everyday	54	60.7
A few times a week	21	23.6
A few times a month	7	7.9
A few times a year	4	4.5
Never	3	3.4

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you PROVIDE PATIENT EDUCATION ON SEXUAL ACTIVITY?	N (of 87)	%
Everyday	33	37.9
A few times a week	21	24.1
A few times a month	12	13.8
A few times a year	9	10.3
Never	12	13.8

How frequently do you PERFORM FUNDAL MASSAGE?	N (of 90)	%
Everyday	57	63.3
A few times a week	13	14.4
A few times a month	6	6.7
A few times a year	4	4.4
Never	10	11.1

How frequently do you ADMINISTER MATERNAL PAIN MEDICINE?	N (of 89)	%
Everyday	68	76.4
A few times a week	5	5.6
A few times a month	5	5.6
A few times a year	6	6.7
Never	5	5.6

How frequently do you ELICIT HOMAN SIGN?	N (of 87)	%
Everyday	38	43.7
A few times a week	17	19.5
A few times a month	8	9.2
A few times a year	13	14.9
Never	11	12.6

How frequently do you MIX MATERNAL INSULIN PREPARATIONS?	N (of 90)	%
Everyday	0	0
A few times a week	9	10.0
A few times a month	25	27.8
A few times a year	38	42.2
Never	18	20.0

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you ADMINISTER MATERNAL INSULIN?	N (of 89)	%
Everyday	1	1.1
A few times a week	16	18.0
A few times a month	36	40.4
A few times a year	27	30.3
Never	9	10.1

How frequently do you PROVIDE PATIENT TEACHING ABOUT LACTATION PHYSIOLOGY?	N (of 87)	%
Everyday	53	60.9
A few times a week	19	21.8
A few times a month	10	11.5
A few times a year	2	2.3
Never	3	3.4

How frequently do you PROVIDE PATIENT TEACHING ABOUT CORRECT POSITIONING/LATCH ON?	N (of 90)	%
Everyday	62	68.9
A few times a week	22	24.4
A few times a month	5	5.6
A few times a year	1	1.1
Never	0	0

How frequently do you PROVIDE PATIENT TEACHING ABOUT MATERNAL NUTRITIONAL REQUIREMENTS?	N (of 89)	%
Everyday	51	57.3
A few times a week	15	16.9
A few times a month	10	11.2
A few times a year	11	12.4
Never	2	2.2

How frequently do you PROVIDE PATIENT TEACHING ABOUT BREAST CARE?	N (of 87)	%
Everyday	58	66.7
A few times a week	16	18.4
A few times a month	8	9.2
A few times a year	2	2.3
Never	3	3.4

**2004 Maternal Newborn Content Validation/Task Analysis
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How frequently do you PROVIDE PATIENT TEACHING ABOUT CONTRAINDICATIONS TO BREASTFEEDING?	N (of 90)	%
Everyday	23	25.6
A few times a week	23	25.6
A few times a month	16	17.8
A few times a year	21	23.3
Never	7	7.8

How frequently do you PROVIDE PATIENT TEACHING ABOUT NIPPLE SHIELDS/SHELLS?	N (of 89)	%
Everyday	22	24.7
A few times a week	22	24.7
A few times a month	25	28.1
A few times a year	12	12.4
Never	9	2.2

How frequently do you MONITOR PATIENTS FOR NIPPLE SORENESS?	N (of 90)	%
Everyday	58	64.4
A few times a week	14	15.6
A few times a month	9	10.0
A few times a year	4	4.4
Never	5	5.6

How frequently do you MONITOR PATIENTS FOR BREAST ENGORGEMENT?	N (of 89)	%
Everyday	48	53.9
A few times a week	22	24.7
A few times a month	13	14.6
A few times a year	5	5.6
Never	1	1.1

How frequently do you MONITOR PATIENTS FOR MASTITIS?	N (of 87)	%
Everyday	45	51.7
A few times a week	9	10.3
A few times a month	13	14.9
A few times a year	11	12.6
Never	9	10.3

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

What percentage of your patients BREASTFEED?	N (of 90)	%
Less than 10%	0	0
10 - 25%	5	5.6
26 - 50%	20	22.2
51 - 75%	38	42.2
75 - 100%	27	30.0

How frequently do you OBSERVE PARENT-INFANT ATTACHMENT?	N (of 89)	%
Everyday	74	83.1
A few times a week	10	11.2
A few times a month	3	3.4
A few times a year	2	2.2
Never	0	0

How frequently do you OBSERVE for PARENTAL STRESS RESPONSE?	N (of 87)	%
Everyday	47	54.0
A few times a week	13	14.9
A few times a month	10	11.5
A few times a year	10	11.5
Never	7	8.0

How frequently do you COUNSEL SIBLINGS?	N (of 90)	%
Everyday	2	2.2
A few times a week	10	11.1
A few times a month	14	15.6
A few times a year	20	22.2
Never	44	48.9

How frequently do you ADMINISTER OXYGEN TO NEONATES?	N (of 87)	%
Everyday	8	9.2
A few times a week	28	32.2
A few times a month	28	32.2
A few times a year	17	19.5
Never	6	6.9

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**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you TAKE NEONATAL VITAL SIGNS?	N (of 89)	%
Everyday	72	80.9
A few times a week	6	6.7
A few times a month	4	4.5
A few times a year	3	3.4
Never	4	4.5

How frequently do you MANAGE NEONATAL THERMOREGULATION NEEDS?	N (of 87)	%
Everyday	60	69.0
A few times a week	14	16.1
A few times a month	7	8.0
A few times a year	3	3.4
Never	3	3.4

How frequently do you ENGAGE IN NEONATAL RESUSCITATION EFFORTS?	N (of 90)	%
Everyday	2	2.2
A few times a week	4	4.4
A few times a month	12	13.3
A few times a year	44	48.9
Never	28	31.1

How frequently do you PERFORM APGAR SCORING?	N (of 89)	%
Everyday	19	21.3
A few times a week	16	18.0
A few times a month	8	9.0
A few times a year	11	12.4
Never	35	39.3

How frequently do you PERFORM NEONATAL GENERAL PHYSICAL EXAM?	N (of 87)	%
Everyday	67	77.0
A few times a week	11	12.6
A few times a month	5	5.7
A few times a year	1	1.1
Never	3	3.4

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you AUSCULTATE NEONATAL HEART SOUNDS?	N (of 90)	%
Everyday	64	71.1
A few times a week	17	18.9
A few times a month	3	3.3
A few times a year	1	1.1
Never	5	5.6

How frequently do you AUSCULTATE NEONATAL LUNG SOUNDS?	N (of 89)	%
Everyday	68	76.4
A few times a week	7	7.9
A few times a month	7	7.9
A few times a year	3	3.4
Never	4	4.5

How frequently do you AUSCULTATE NEONATAL BOWEL SOUNDS?	N (of 87)	%
Everyday	62	71.3
A few times a week	14	16.1
A few times a month	5	5.7
A few times a year	1	1.1
Never	5	5.7

How frequently do you PERFORM GESTATIONAL AGE ASSESSMENT?	N (of 90)	%
Everyday	25	27.8
A few times a week	22	24.4
A few times a month	9	10.0
A few times a year	17	18.9
Never	17	18.9

How frequently do you PERFORM NEONATAL NEUROLOGICAL ASSESSMENT EXAMS?	N (of 89)	%
Everyday	45	50.6
A few times a week	18	20.2
A few times a month	7	7.9
A few times a year	7	7.9
Never	12	13.5

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you PERFORM NEONATAL BEHAVIORAL EXAMS?	N (of 87)	%
Everyday	48	55.2
A few times a week	15	17.2
A few times a month	6	6.9
A few times a year	5	5.7
Never	13	14.9

How frequently do you PROVIDE CORD CARE?	N (of 90)	%
Everyday	58	64.4
A few times a week	17	18.9
A few times a month	5	5.6
A few times a year	0	0
Never	10	11.1

How frequently do you BATHE INFANTS?	N (of 89)	%
Everyday	44	49.4
A few times a week	20	22.5
A few times a month	9	10.1
A few times a year	9	10.1
Never	7	7.9

How frequently do you PROVIDE NEONATAL POST CIRCUMCISION CARE?	N (of 87)	%
Everyday	45	51.7
A few times a week	27	31.0
A few times a month	7	8.0
A few times a year	3	3.4
Never	5	5.7

How frequently do you FEED INFANTS?	N (of 90)	%
Everyday	52	57.8
A few times a week	19	21.1
A few times a month	8	8.9
A few times a year	7	7.8
Never	4	4.4

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you ASSESS NEONATAL CAPILLARY REFILL?	N (of 89)	%
Everyday	53	59.6
A few times a week	10	11.2
A few times a month	8	9.0
A few times a year	9	10.1
Never	9	10.1

How frequently do you PERFORM NEONATAL HEEL STICKS?	N (of 87)	%
Everyday	48	55.2
A few times a week	24	27.6
A few times a month	6	6.9
A few times a year	3	3.4
Never	6	6.9

How frequently do you PERFORM ORTOLANI MANEUVER?	N (of 90)	%
Everyday	13	14.4
A few times a week	8	8.9
A few times a month	5	5.6
A few times a year	6	6.7
Never	58	64.4

How frequently do you REVIEW NEONATAL GENETIC HISTORY?	N (of 89)	%
Everyday	28	31.5
A few times a week	6	6.7
A few times a month	12	13.5
A few times a year	15	16.9
Never	28	31.5

How frequently do you OBTAIN INFORMED CONSENT?	N (of 87)	%
Everyday	42	48.3
A few times a week	26	29.9
A few times a month	8	9.2
A few times a year	3	3.4
Never	8	9.2

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

How frequently do you DOCUMENT/CHART CARE?	N (of 90)	%
Everyday	81	90.0
A few times a week	7	7.8
A few times a month	2	2.2
A few times a year	0	0
Never	0	0

How frequently do you READ RESEARCH JOURNALS/ARTICALS?	N (of 89)	%
Everyday	4	4.5
A few times a week	20	22.5
A few times a month	46	51.7
A few times a year	19	21.3
Never	0	0

How frequently do you PARTICIPATE IN RESEARCH PROJECTS?	N (of 87)	%
Everyday	0	0
A few times a week	6	6.9
A few times a month	7	8.0
A few times a year	35	40.2
Never	39	44.8

**2004 Maternal Newborn Content Validation/Task Analysis
Survey Results**

Practice Demographics
(Number of Respondents = 266)

Is certification required for your position?	N	%
Yes	26	9.8
No	240	90.3

Does your employer recognize certification?	N	%
Yes	216	81.2
No	50	18.8

Biographical Data

	Response	N	%
Practice Setting (N = 266)	Hospital	249	93.6
	Physician's Office	3	1.2
	Academic Setting	5	1.9
	Follow-up Clinic	0	0
	Homecare	0	0
	Other	9	3.4
Education (N = 266)	PhD	1	0.4
	Master's	43	16.2
	Baccalaureate	111	41.8
	Associate	75	28.2
	Diploma	36	13.6
Years as a MN (N = 266)	1-5 years	25	9.4
	6-10 years	64	24.1
	11-15 years	61	23.0
	16-20 years	34	12.8
	Over 20 years	82	30.9
Practice Location (N = 266)	Northeast	73	27.5
	Southeast	64	24.1
	Midwest	55	20.7
	Northwest	28	10.6
	Southwest	45	17.0
	Outside the US	1	0.4