



NCC Task Analysis Content Validation Study

Inpatient Obstetric 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 Inpatient Obstetric 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 Inpatient Obstetric Nursing certification examination is to demonstrate the special knowledge of the Inpatient Obstetric 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 of 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
Patient Characteristics	Type of Patients
Patient Conditions	Assessment and Management
Laboratory Tests and Diagnostic Studies Studies	Performance & Interpretation
Skills	Expected competencies

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

How frequently do you manage [pregnant patients, postpartum patient, neonates] with

- Chronic hypertension
- Pregnancy-induced hypertension
- HELLP syndrome
- Diabetes mellitus
- Gestational diabetes
- Pre-existing cardiac disease
- Asthma
- Fungal Infections
- Viral infections
- Intraamniotic infection
- Group B Streptococcal infection
- HIV
- Other sexually transmitted disease
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- Anemia
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- Steroid therapy
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POSTPARTUM

- Endometritis
- Postpartum fever
- Postpartum Hemorrhage
- Deep vein thrombosis
- Pulmonary embolism
- Breast engorgement
- Inadequate latch on
- Plugged ducts
- Postpartum blues

NEWBORN/NEONATE

- Temperature instability
- Jaundice
- Hypoglycemia
- Cephalohematoma
- Caput succedaneum
- Brachial plexus/birth trauma injuries
- Polycythemia
- Rh incompatibility
- Exposure to STDs

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 December 2004.

Phase II

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

- Employment Setting
- Description of Patient Characteristics
- Patient Conditions
- Laboratory Tests/Diagnostic Procedures
- 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 was developed based content team direction. See 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 are 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 INPT nurses of record (19,539) were notified either via email contact or post card notice to go to the NCC website to complete the survey. 1159 RNCs responded to the survey.

Part 1	338
Part 2	426
Part 3	395

In addition biographical information was also solicited as follows:

Education level
Practice Setting
Length of Current Practice
Job Title
Geographic Location

Results

Summary of survey data are shown below:

Biographical Data

Practice Setting

Hospital	96%
Physician's office	1%
Academic setting	1%
Follow up clinic	----
Home Care	<1%
Other	1%

Highest Level of Education

Doctorate	1%
Master's	19%
Baccalaureate	43%
Associate degree	22%
Diploma	15%

How long have been a INPT Nurse?

Less than a year	--
1-5 years	4%
6-10 years	12%
11-15 years	21%
16-20 years	22%
Over 20 years	41%

Where do you reside?

Northeast	27%
Southeast	23%
Midwest	23%
Northwest	8%
Southwest	18%
Outside the US	1%

Job Title

Staff Nurse	66%
Nurse Manager	14%
Nurse Educator	7%
CNS	4%
Other	9%

Employment Setting

**2004 INPT Content Validation/Task Analysis
Survey Template**

Patient Characteristics
Laboratory Tests/Diagnostic Studies
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 Inpatient Obstetric 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:

AWHONN Educational Guidelines and Standards

- * Standards and Guidelines for Professional Nursing Practice in the Care of Women and Newborns.
- * Practice Competencies and Educational Guidelines for Nurse Providers of Intrapartum Didactic Content and Clinical Skills Verification for Professional Nurse Providers of Perinatal Home Care
- * Didactic Content and Clinical Skills Verification for Professional Nurse Providers of Basic, High Risk and Critical Care Intrapartum Nursing
- * Competency and Program Guidelines for Nurse Providers of Perinatal Education

- b. Review of current NCC competency statements and general and detailed test outlines for the Inpatient Obstetric Nursing examination.

The content team reviewed the current competency statements and test outline.

- c. Identification of Essential Knowledge, Skills and Abilities

The OB Content Team based on the document review identified competencies and practice skills of the Inpatient Obstetric Nurse held a discussion regarding expected knowledge, abilities and skills of the INPT nurse. 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, employment setting practice characteristics, nursing management, drug management laboratory/diagnostic tests and skills are addressed. All INPT 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.

Employment Setting
(Number of Respondents = 1159)

Is your institution a	N	%
Level 1	218	18.8
Level 2	461	39.8
Level 3	456	39.3
Other	24	2

Is your unit set up as	N	%
Traditional, separate from L&D & Postpartum	455	39.2
LDR or LDRP	599	51.7
Single Room Maternity Care	32	2.8
Antepartum Unit	23	2
Other	50	4.3

Patient Characteristics
(Number of Respondents = 1159)

In a given month, what percentage of your time is devoted to ANTEPARTUM PATIENTS?	N	%
None	46	4
Less than 10%	210	18.1
10-25%	543	46.9
26-50%	241	20.8
51-75%	61	5.3
76-100%	58	5

In a given month, what percentage of your time is devoted to LABORING PATIENTS?	N	%
None	81	7
Less than 10%	51	4.4
10-25%	73	6.3
26-50%	267	23
51-75%	405	34.9
76-100%	282	24.3

What percentage of your time is devoted to managing HIGH RISK OBSTETRIC PATIENTS?	N	%
None	58	5
Less than 10%	319	27.5
10-25%	374	32.3
26-50%	200	17.2
51-75%	137	11.8
76-100%	71	6.1

In a given month, what percentage of your time is devoted to POSTPARTUM PATIENTS?	N	%
None	123	10.6
Less than 10%	432	37.2
10-25%	263	22.7
26-50%	202	17.4
51-75%	79	6.8
76-100%	60	5.1
In a given month, what percentage of your time is devoted to NORMAL NEWBORNS?	N	%
None	194	16.7
Less than 10%	383	33
10-25%	215	18.6
26-50%	156	13.5
51-75%	110	9.4
76-100%	101	8.7
In a given month, what percentage of your time is devoted to HIGH RISK NEONATES?	N	%
None	635	54.8
Less than 10%	0	0
10-25%	93	8
26-50%	22	1.9
51-75%	11	1
76-100%	27	2.3

Patient Conditions

How frequently do you manage PREGNANT patients with CHRONIC HYPERTENSION?	N (of 338)	%
Everyday	26	7.7
A few times a week	122	36.1
A few times a month	140	41.4
A few times a year	45	13.3
Never	5	1.5
How frequently do you manage PREGNANT patients with PRE-EXISTING CARDIAC DISEASE?	N (of 338)	%
Everyday	0	0
A few times a week	4	1.2
A few times a month	57	16.9
A few times a year	216	63.9
Never	61	18
How frequently do you manage PREGNANT patients with FUNGAL INFECTIONS?	N (of 338)	%
Everyday	3	0.9
A few times a week	17	5
A few times a month	49	14.5
A few times a year	153	45.3
Never	116	34.3
How frequently do you manage PREGNANT patients with ANEMIA?	N (of 338)	%
Everyday	31	9.2
A few times a week	75	22.2
A few times a month	130	38.5
A few times a year	95	28.1
Never	7	2.1
How frequently do you manage PREGNANT patients with RENAL/GU disease?	N (of 338)	%
Everyday	1	0.3
A few times a week	18	5.3
A few times a month	104	30.8
A few times a year	171	50.6
Never	44	13

How frequently do you manage PREGNANT patients who drink ALCOHOL ?	N (of 338)	%
Everyday	1	0.3
A few times a week	30	8.9
A few times a month	107	31.7
A few times a year	179	53
Never	21	6.2
How frequently do you manage PREGNANT patients who are victims of DOMESTIC VIOLENCE ?	N (of 338)	%
Everyday	1	0.3
A few times a week	13	3.8
A few times a month	90	26.6
A few times a year	219	64.8
Never	15	4.4
How frequently do you manage PREGNANT patients who undergo ULTRASOUND EVALUATION ?	N (of 338)	%
Everyday	175	51.8
A few times a week	105	31.1
A few times a month	46	13.6
A few times a year	6	1.8
Never	6	1.8
How frequently do you manage PREGNANT patients on an ELECTRONIC FETAL MONITOR ?	N (of 338)	%
Everyday	306	90.5
A few times a week	19	5.6
A few times a month	5	1.5
A few times a year	2	0.6
Never	6	1.8
How frequently do you manage PREGNANT patients being evaluated with FETAL OXYGEN SATURATION MONITORING ?	N (of 338)	%
Everyday	11	3.3
A few times a week	7	2.1
A few times a month	17	5
A few times a year	42	12.4
Never	261	77.2
How frequently do you manage PREGNANT patients undergoing VACUUM EXTRACTION ?	N (of 338)	%
Everyday	21	6.2
A few times a week	78	23.1
A few times a month	153	45.3
A few times a year	60	17.8
Never	26	7.7

How frequently do you manage PREGNANT patients undergoing VBAC?	N (of 338)	%
Everyday	16	4.7
A few times a week	46	13.6
A few times a month	146	43.2
A few times a year	88	26
Never	42	12.4
How frequently do you manage PREGNANT patients with HYPERTONIC LABOR?	N (of 338)	%
Everyday	12	3.6
A few times a week	59	17.5
A few times a month	106	31.4
A few times a year	124	36.7
Never	37	10.9
How frequently do you manage PREGNANT patients with MALPRESENTATIONS?	N (of 338)	%
Everyday	8	2.4
A few times a week	52	15.4
A few times a month	155	45.9
A few times a year	107	31.7
Never	16	4.7
How frequently do you manage PREGNANT patients with OLIOHYDRAMNIOS?	N (of 338)	%
Everyday	18	5.3
A few times a week	58	17.2
A few times a month	166	49.1
A few times a year	88	26
Never	8	2.4
How frequently do you manage PREGNANT patients with PROLONGED (POSTTERM) PREGNANCY?	N (of 338)	%
Everyday	22	6.5
A few times a week	90	26.6
A few times a month	111	32.8
A few times a year	94	27.8
Never	21	6.2
How frequently do you manage PREGNANT patients with ASTHMA?	N (of 338)	%
Everyday	7	2.1
A few times a week	30	8.9
A few times a month	122	36.1
A few times a year	167	49.4
Never	12	3.6

How frequently do you manage PREGNANT patients who have experienced PHYSICAL TRAUMA (MVA, etc.) ?	N (of 338)	%
Everyday	4	1.2
A few times a week	22	6.5
A few times a month	119	35.2
A few times a year	179	53
Never	14	4.1
How frequently do you manage PREGNANT patients undergoing TOCOLYSIS ?	N (of 338)	%
Everyday	57	16.9
A few times a week	117	34.6
A few times a month	120	35.5
A few times a year	34	10.1
Never	10	3
How frequently do you manage PREGNANT patients requiring CERVICAL RIPENING AGENTS ?	N (of 338)	%
Everyday	90	26.6
A few times a week	153	45.3
A few times a month	68	20.1
A few times a year	9	2.7
Never	18	5.3
How frequently do you manage POSTPARTUM PATIENTS with ENDOMETRITIS ?	N (of 338)	%
Everyday	1	0.3
A few times a week	5	1.5
A few times a month	36	10.7
A few times a year	163	48.2
Never	133	39.3
How frequently do you manage POSTPARTUM PATIENTS with BREAST ENGORGEMENT ?	N (of 338)	%
Everyday	9	2.7
A few times a week	35	10.4
A few times a month	69	20.4
A few times a year	91	26.9
Never	134	39.6
How frequently do you manage NEONATES with JAUNDICE ?	N (of 338)	%
Everyday	16	4.7
A few times a week	45	13.3
A few times a month	88	26
A few times a year	39	11.5
Never	150	44.4

How frequently do you manage NEONATES with TEMPERATURE INSTABILITY?	N (of 338)	%
Everyday	23	6.8
A few times a week	69	20.4
A few times a month	100	29.6
A few times a year	53	15.7
Never	93	27.5

How frequently do you assess for NEONATAL HYPOGLYCEMIA?	N (of 338)	%
Everyday	60	17.8
A few times a week	74	21.9
A few times a month	88	26
A few times a year	46	13.6
Never	70	20.7

How frequently do you manage PREGNANT patients with PREGNANCY-INDUCED HYPERTENSION?	N (of 426)	%
Everyday	55	12.9
A few times a week	169	39.7
A few times a month	163	38.3
A few times a year	21	4.9
Never	18	4.2

How frequently do you manage PREGNANT patients with DIABETES MELLITUS?	N (of 426)	%
Everyday	23	5.4
A few times a week	95	22.3
A few times a month	186	43.7
A few times a year	97	22.8
Never	25	5.9

How frequently do you manage PREGNANT patients with HIV?	N (of 426)	%
Everyday	1	0.2
A few times a week	3	0.7
A few times a month	27	6.3
A few times a year	238	55.9
Never	157	36.9

How frequently do you manage PREGNANT patients with GROUP B STREPTOCOCCAL INFECTION?	N (of 426)	%
Everyday	133	31.2
A few times a week	162	38
A few times a month	90	21.1
A few times a year	21	4.9
Never	20	4.7

How frequently do you manage PREGNANT patients who SMOKE CIGARETTES?	N (of 426)	%
Everyday	129	30.3
A few times a week	158	37.1
A few times a month	102	23.9
A few times a year	22	5.2
Never	15	3.5
How frequently do you manage PREGNANT patients who are on METHADONE THERAPY?	N (of 426)	%
Everyday	2	0.5
A few times a week	6	1.4
A few times a month	37	8.7
A few times a year	217	50.9
Never	164	38.5
How frequently do you manage PREGNANT patients who are RECEIVING EPIDURAL ANESTHESIA?	N (of 426)	%
Everyday	248	58.2
A few times a week	99	23.2
A few times a month	20	4.7
A few times a year	10	2.3
Never	49	11.5
How frequently do you manage PREGNANT patients who experienced PREGNANCY LOSS?	N (of 426)	%
Everyday	6	1.4
A few times a week	27	6.3
A few times a month	181	42.5
A few times a year	195	45.8
Never	17	4
How frequently do you manage PREGNANT patients with THIRD TRIMESTER BLEEDING?	N (of 426)	%
Everyday	6	1.4
A few times a week	65	7.5
A few times a month	181	42.5
A few times a year	185	43.4
Never	22	5.2
How frequently do you manage PREGNANT patients receiving SPINAL ANESTHESIA?	N (of 426)	%
Everyday	50	11.7
A few times a week	144	33.8
A few times a month	121	28.4
A few times a year	55	12.9
Never	56	13.1

How frequently do you manage PREGNANT patients who have HYPOTONIC LABOR?	N (of 426)	%
Everyday	34	8
A few times a week	120	28.2
A few times a month	150	35.2
A few times a year	64	15
Never	58	13.6
How frequently do you manage PREGNANT patients undergoing CESAREAN BIRTH?	N (of 426)	%
Everyday	113	26.5
A few times a week	187	43.9
A few times a month	90	21.1
A few times a year	11	2.6
Never	25	5.9
How frequently do you manage PREGNANT patients with MACROSOMIA?	N (of 426)	%
Everyday	10	2.3
A few times a week	112	26.3
A few times a month	206	48.4
A few times a year	76	17.8
Never	22	5.2
How frequently do you manage PREGNANT patients with POLYHYDRAMNIOS?	N (of 426)	%
Everyday	3	0.7
A few times a week	30	7
A few times a month	161	37.8
A few times a year	210	49.3
Never	22	5.2
How frequently do you manage PREGNANT patients with ABRUPTIO PLACENTA?	N (of 426)	%
Everyday	1	0.2
A few times a week	5	1.2
A few times a month	94	22.1
A few times a year	296	69.5
Never	30	7
How frequently do you manage PREGNANT patients with PRETERM LABOR?	N (of 426)	%
Everyday	76	17.8
A few times a week	150	35.2
A few times a month	157	36.9
A few times a year	26	6.1
Never	17	4

How frequently do you manage POSTPARTUM PATIENTS with POSTPARTUM HEMORRHAGE?	N (of 426)	%
Everyday	1	0.2
A few times a week	18	4.2
A few times a month	145	34
A few times a year	231	54.2
Never	31	7.3
How frequently do you manage POSTPARTUM PATIENTS with POSTPARTUM BLUES?	N (of 426)	%
Everyday	3	0.7
A few times a week	9	2.1
A few times a month	61	14.3
A few times a year	196	46
Never	157	36.9
How frequently do you manage NEONATES with CEPHALOHEMATOMA?	N (of 426)	%
Everyday	4	0.9
A few times a week	21	4.9
A few times a month	90	21.1
A few times a year	160	37.6
Never	151	35.4
How frequently do you manage NEONATES with POLYCYTHEMIA?	N (of 426)	%
Everyday	0	0
A few times a week	5	1.2
A few times a month	29	6.8
A few times a year	145	34
Never	247	58
How frequently do you manage NEONATES EXPOSED TO STD INFECTION IN UTERO?	N (of 426)	%
Everyday	5	1.2
A few times a week	7	1.6
A few times a month	39	9.2
A few times a year	177	41.5
Never	198	46.5
How frequently do you manage PREGNANT patients with GESTATIONAL DIABETES?	N (of 395)	%
Everyday	18	4.6
A few times a week	124	31.4
A few times a month	182	46.1
A few times a year	52	13.2
Never	19	4.8

How frequently do you manage PREGNANT patients with HELLP SYNDROME?	N (of 395)	%
Everyday	2	0.5
A few times a week	23	5.8
A few times a month	97	24.6
A few times a year	233	59
Never	40	10.1
How frequently do you manage PREGNANT patients with SEXUALLY TRANSMITTED DISEASES	N (of 395)	%
Everyday	18	4.6
A few times a week	60	15.2
A few times a month	144	36.5
A few times a year	146	37
Never	27	6.8
How frequently do you manage PREGNANT patients with VIRAL INFECTION?	N (of 395)	%
Everyday	5	1.3
A few times a week	28	7.1
A few times a month	121	30.6
A few times a year	207	52.4
Never	34	8.6
How frequently do you manage PREGNANT patients who USE COCAINE?	N (of 395)	%
Everyday	3	0.8
A few times a week	14	3.5
A few times a month	87	22
A few times a year	233	59
Never	58	14.7
How frequently do you manage PREGNANT patients who use HEROIN?	N (of 395)	%
Everyday	1	0.3
A few times a week	4	1
A few times a month	19	4.8
A few times a year	195	49.4
Never	176	44.6
How frequently do you manage PREGNANT patients who are EXPOSED TO ENVIRONMENTAL HAZARDS?	N (of 395)	%
Everyday	7	1.8
A few times a week	6	1.5
A few times a month	29	7.3
A few times a year	198	50.1
Never	155	39.2

How frequently do you manage PREGNANT patients who have THYROID DISEASE?	N (of 395)	%
Everyday	3	0.8
A few times a week	10	2.5
A few times a month	78	19.7
A few times a year	248	62.8
Never	56	14.2
How frequently do you manage PREGNANT patients with DISSEMINATED VASCULAR COAGULATION (DIC)?	N (of 395)	%
Everyday	0	0
A few times a week	1	0.3
A few times a month	14	3.5
A few times a year	277	70.1
Never	103	26.1
How frequently do you manage PREGNANT patients with AMNIOTIC FLUID EMBOLISM?	N (of 395)	%
Everyday	0	0
A few times a week	0	0
A few times a month	0	0
A few times a year	106	26.8
Never	289	73.2
How frequently do you manage PREGNANT patients who have PLACENTA PREVIA?	N (of 395)	%
Everyday	3	0.8
A few times a week	10	2.5
A few times a month	115	29.1
A few times a year	242	61.3
Never	25	6.3
How frequently do you manage PREGNANT patients undergoing FORCEPS DELIVERY?	N (of 395)	%
Everyday	8	2
A few times a week	23	5.8
A few times a month	111	28.1
A few times a year	173	43.8
Never	80	20.3
How frequently do you manage PREGNANT patients undergoing INDUCTION OF LABOR?	N (of 395)	%
Everyday	194	49.1
A few times a week	133	33.7
A few times a month	27	6.8
A few times a year	9	2.3
Never	32	8.1

How frequently do you manage PREGNANT patients with PROLAPSED CORD?	N (of 395)	%
Everyday	0	0
A few times a week	0	0
A few times a month	24	6.1
A few times a year	309	78.2
Never	62	15.7
How frequently do you manage PREGNANT patients with PRETERM RUPTURE OF MEMBRANES?	N (of 395)	%
Everyday	33	8.4
A few times a week	87	22
A few times a month	180	45.6
A few times a year	73	18.5
Never	22	5.6
How frequently do you manage PREGNANT patients with MULTIPLE GESTATIONS?	N (of 395)	%
Everyday	11	2.8
A few times a week	47	11.9
A few times a month	159	40.3
A few times a year	155	39.2
Never	23	5.8
How frequently do you manage PREGNANT patients with PRECIPITIOUS LABOR?	N (of 395)	%
Everyday	10	2.5
A few times a week	56	14.2
A few times a month	205	51.9
A few times a year	95	24.1
Never	29	7.3
How frequently do you manage PREGNANT patients on STEROID THERAPY?	N (of 395)	%
Everyday	7	1.8
A few times a week	42	10.6
A few times a month	109	27.6
A few times a year	170	43
Never	67	17
How frequently do you manage PREGNANT patients with INTRAAMNIOTIC INFECTION?	N (of 395)	%
Everyday	1	0.3
A few times a week	17	4.3
A few times a month	112	28.4
A few times a year	213	53.9
Never	52	13.2

How frequently do you manage PREGNANT patients on ANTICOAGULATION THERAPY?	N (of 395)	%
Everyday	0	0
A few times a week	5	1.3
A few times a month	50	12.7
A few times a year	271	68.6
Never	69	17.5
How frequently do you manage POSTPARTUM patients with DEEP VEIN THROMBOSIS?	N (of 395)	%
Everyday	1	0.3
A few times a week	0	0
A few times a month	16	4.1
A few times a year	229	58
Never	149	37.7
How frequently do you manage POSTPARTUM patients with POSTPARTUM FEVER?	N (of 395)	%
Everyday	3	0.8
A few times a week	17	4.3
A few times a month	88	22.3
A few times a year	188	47.6
Never	99	25.1
How frequently do you manage BREASTFEEDING MOTHERS who experience INADEQUATE LATCH ON?	N (of 395)	%
Everyday	45	11.4
A few times a week	135	34.2
A few times a month	106	26.8
A few times a year	40	10.1
Never	69	17.5
How frequently do you manage POSTPARTUM patients with PLUGGED DUCTS?	N (of 395)	%
Everyday	1	0.3
A few times a week	9	2.3
A few times a month	46	11.6
A few times a year	135	34.2
Never	204	51.6
How frequently do you manage NEONATES with CAPUT SUCCEDANEUM?	N (of 395)	%
Everyday	19	4.8
A few times a week	60	15.2
A few times a month	104	26.3
A few times a year	89	22.5
Never	123	31.1

How frequently do you manage NEONATES with RH INCOMPATIBILITY?	N (of 395)	%
Everyday	2	0.5
A few times a week	15	3.8
A few times a month	34	8.6
A few times a year	135	34.2
Never	209	52.9

How frequently do you manage NEONATES with BRACHIAL PALSY or OTHER BIRTH TRAUMA INJURIES?	N (of 395)	%
Everyday	0	0
A few times a week	0	0
A few times a month	18	4.6
A few times a year	226	57.2
Never	151	38.2

Laboratory Tests and Diagnostic Studies

How frequently do you manage PREGNANT patients requiring URINALYSIS?	N (of 338)	%
Everyday	161	47.6
A few times a week	132	39.1
A few times a month	36	10.7
A few times a year	5	1.5
Never	4	1.2
How frequently do you manage PREGNANT patients requiring SERUM GLUCOSE TESTING?	N (of 338)	%
Everyday	24	7.1
A few times a week	93	27.5
A few times a month	132	39.1
A few times a year	74	21.9
Never	15	4.4
How frequently do you manage PREGNANT patients requiring BACTERIAL CULTURES?	N (of 338)	%
Everyday	41	12.1
A few times a week	85	25.1
A few times a month	114	33.7
A few times a year	88	26
Never	10	3
How frequently do you manage PREGNANT patients undergoing a BIOPHYSICAL PROFILE?	N (of 338)	%
Everyday	51	15.1
A few times a week	109	32.2
A few times a month	128	37.9
A few times a year	37	10.9
Never	13	3.8
How frequently do you manage PREGNANT patients undergoing MATERNAL SERUM SCREENING?	N (of 338)	%
Everyday	53	15.7
A few times a week	50	14.8
A few times a month	66	19.5
A few times a year	84	24.9
Never	85	25.1
How frequently do you manage NEONATES who require SERUM GLUCOSE TESTING?	N (of 338)	%
Everyday	36	10.7
A few times a week	62	18.3
A few times a month	93	27.5
A few times a year	38	11.2
Never	109	32.2

How frequently do you manage NEONATES who require THYROID TESTING?	N (of 338)	%
Everyday	10	3
A few times a week	6	1.8
A few times a month	12	3.6
A few times a year	73	21.6
Never	237	70.1
How frequently do you manage NEONATES who require evaluation of ELECTROLYTE LEVELS?	N (of 338)	%
Everyday	8	2.4
A few times a week	9	2.7
A few times a month	38	11.2
A few times a year	75	22.2
Never	208	61.5
How frequently do you manage PREGNANT patients requiring COAGULATION STUDIES?	N (of 426)	%
Everyday	21	4.9
A few times a week	80	18.8
A few times a month	171	40.1
A few times a year	123	28.9
Never	31	7.3
How frequently do you manage PREGNANT patients requiring NITRAZINE TESTING?	N (of 426)	%
Everyday	105	24.6
A few times a week	174	40.8
A few times a month	86	20.2
A few times a year	15	3.5
Never	46	10.8
How frequently do you manage PREGNANT patients requiring PLATELET COUNT?	N (of 426)	%
Everyday	161	37.8
A few times a week	105	24.6
A few times a month	97	22.8
A few times a year	42	9.9
Never	21	4.9
How frequently do you manage PREGNANT patients undergoing NONSTRESS TESTING?	N (of 426)	%
Everyday	185	43.3
A few times a week	163	38.3
A few times a month	46	10.8
A few times a year	12	2.8
Never	20	4.7

How frequently do you manage PREGNANT patients undergoing PERCUTANEOUS BLOOD SAMPLING?	N (of 426)	%
Everyday	27	6.3
A few times a week	23	5.4
A few times a month	36	8.5
A few times a year	96	22.5
Never	244	57.3
How frequently do you manage NEONATES who require HEMATOCRIT/HEMOGLOBIN COUNTS?	N (of 426)	%
Everyday	40	9.4
A few times a week	56	13.1
A few times a month	87	20.4
A few times a year	59	13.8
Never	184	43.2
How frequently do you manage NEONATES who require BACTERIAL CULTURES?	N (of 426)	%
Everyday	15	3.5
A few times a week	44	10.3
A few times a month	94	22.1
A few times a year	85	20
Never	188	44.1
How frequently do you manage NEONATES who require evaluation of WHITE BLOOD CELL COUNT?	N (of 426)	%
Everyday	18	4.2
A few times a week	55	12.9
A few times a month	93	21.8
A few times a year	75	17.6
Never	185	43.4
How frequently do you manage PREGNANT patients requiring CONTRACTION STRESS TESTING	N (of 395)	%
Everyday	12	3
A few times a week	21	5.3
A few times a month	78	19.7
A few times a year	170	43
Never	114	28.9
How frequently do you manage PREGNANT patients requiring FETAL LUNG MATURITY TESTING?	N (of 395)	%
Everyday	6	1.5
A few times a week	19	4.8
A few times a month	115	29.1
A few times a year	190	48.1
Never	65	16.5

How frequently do you manage PREGNANT patients requiring AMNIOCENTESIS?	N (of 395)	%
Everyday	7	1.8
A few times a week	22	5.6
A few times a month	103	26.1
A few times a year	195	49.4
Never	68	17.2
How frequently do you manage PREGNANT patients requiring CHORIONIC VILLS SAMPLING?	N (of 395)	%
Everyday	0	0
A few times a week	1	0.3
A few times a month	8	2
A few times a year	48	12.2
Never	338	85.6
How frequently do you manage NEONATES requiring evaluation of BILIRUBIN LEVELS?	N (of 395)	%
Everyday	39	9.9
A few times a week	99	25.1
A few times a month	90	22.8
A few times a year	28	7.1
Never	139	35.2
How frequently do you manage NEONATES who require evaluation of CALCIUM LEVELS?	N (of 395)	%
Everyday	7	1.8
A few times a week	11	2.8
A few times a month	29	7.3
A few times a year	109	27.6
Never	239	60.5
How frequently do you manage NEONATES who require a BACTERIAL CULTURES?	N (of 395)	%
Everyday	13	3.3
A few times a week	49	12.4
A few times a month	109	27.6
A few times a year	79	20
Never	145	36.7
How frequently do you manage NEONATES who require a GENETIC EVALUATION?	N (of 395)	%
Everyday	0	0
A few times a week	2	0.5
A few times a month	26	6.6
A few times a year	200	50.6
Never	167	42.3

How frequently do you manage NEONATES requiring COOMBS TESTING?	N (of 395)	%
Everyday	47	11.9
A few times a week	67	17
A few times a month	0	0
A few times a year	0	0
Never	139	35.2

How frequently do you manage NEONATES requiring URINALYSIS?	N (of 395)	%
Everyday	8	2
A few times a week	22	5.6
A few times a month	0	0
A few times a year	0	0
Never	151	38.2

Inpatient Obstetric Nursing Skills

How frequently do you AUSCULTATE FETAL HEART RATE?	N	%
	338	
Everyday	160	47.3
A few times a week	50	14.8
A few times a month	51	15.1
A few times a year	31	9.2
Never	46	13
How frequently do you PERFORM A VAGINAL EXAM?	N	%
	338	
Everyday	261	77.2
A few times a week	33	9.8
A few times a month	22	6.5
A few times a year	6	1.8
Never	16	4.7
How frequently do you PERFORM FUNDAL MASSAGE?	N	%
	338	
Everyday	231	68.3
A few times a week	53	15.7
A few times a month	30	8.9
A few times a year	9	2.7
Never	15	4.4
How frequently do you ASSESS MATERNAL VITAL SIGNS?	N	%
	338	
Everyday	313	92.6
A few times a week	14	4.1
A few times a month	7	2.1
A few times a year	2	.06
Never	2	.06
How frequently do you ASSESS FOR GESTATIONAL AGE?	N	%
	338	
Everyday	227	67.2
A few times a week	16.9	5.7
A few times a month	22	6.5
A few times a year	13	3.8
Never	19	5.6

How frequently do you ELICIT THE HOMAN'S SIGN?	N	%
	338	
Everyday	123	36.4
A few times a week	62	18.3
A few times a month	53	15.7
A few times a year	66	19.5
Never	34	10.1
How frequently do you EDUCATE PATIENT ABOUT LABOR & EFM ?	N	%
	338	
Everyday	292	86.4
A few times a week	32	9.5
A few times a month	6	1.8
A few times a year	5	1.5
Never	3	0.9
How frequently do you ASSESS NEONATAL TEMPERATURE?	N	%
	338	
Everyday	238	70.4
A few times a week	39	11.5
A few times a month	18	5.3
A few times a year	7	2.1
Never	36	10.7
How frequently do you ADMINISTER OXYGEN TO NEONATES?	N	%
	338	
Everyday	50	14.8
A few times a week	130	38.5
A few times a month	101	29.9
A few times a year	31	9.2
Never	26	7.7
How frequently do you PERFORM BAG AND MASK VENTILATION ON NEONATES?	N	%
	338	
Everyday	5	1.5
A few times a week	36	10.7
A few times a month	116	34.3
A few times a year	0	0
Never	0	0
How frequently do you REVIEW MATERNAL HISTORY?	N	%
	426	
Everyday	390	91.5
A few times a week	24	5.6
A few times a month	6	1.4
A few times a year	4	0.9
Never	2	0.5

How frequently do you ASSESS FOR SIGNS OF ACTIVE LABOR?	N	%
	426	
Everyday	344	80.8
A few times a week	45	10.6
A few times a month	10	2.3
A few times a year	7	1.6
Never	20	4.7
How frequently do you PERFORM LEOPOLD MANEUVERS?	N	%
	426	
Everyday	238	55.9
A few times a week	78	18.3
A few times a month	36	8.5
A few times a year	33	7.7
Never	41	9.6
How frequently do you ESTABLISH IV ACCESS?	N	%
	426	
Everyday	330	77.5
A few times a week	61	14.3
A few times a month	13	3.1
A few times a year	7	1.6
Never	15	3.5
How frequently do you PROVIDE LABOR SUPPORT?	N	%
	426	
Everyday	309	72.5
A few times a week	62	14.6
A few times a month	17	4.0
A few times a year	13	3.1
Never	25	5.9
How frequently do you PROVIDE WOUND CARE?	N	%
	426	
Everyday	48	11.3
A few times a week	74	17.4
A few times a month	84	19.7
A few times a year	144	33.8
Never	76	17.8
How frequently do you PROVIDE EDUCATION ON POSTPARTUM CONTRACEPTION?	N	%
	426	
Everyday	67	15.7
A few times a week	86	20.2
A few times a month	58	13.6
A few times a year	91	21.4
Never	124	29.1

How frequently do you EDUCATE PATIENTS ON POSTPARTUM EXERCISE?	N	%
	426	
Everyday	58	13.6
A few times a week	91	21.4
A few times a month	63	14.8
A few times a year	81	19
Never	133	31.2
How frequently do you PERFORM NEONATAL BEHAVIORAL EXAM?	N	%
	426	
Everyday	81	19
A few times a week	51	12
A few times a month	34	8
A few times a year	45	10.6
Never	215	50.5
How frequently do you PERFORM CHEST COMPRESSIONS FOR NEONATAL RESUSCITATION?	N	%
	426	
Everyday	0	0
A few times a week	2	0.5
A few times a month	15	3.5
A few times a year	286	67.1
Never	123	28.9
How frequently do you ADMINISTER NEONATAL EYE PROPHYLAXIS?	N	%
	426	
Everyday	217	50.9
A few times a week	85	20
A few times a month	17	4
A few times a year	107	25.1
Never	0	0
How frequently do you AUSCULTATE MATERNAL LUNG SOUNDS?	N	%
	395	
Everyday	267	67.6
A few times a week	67	17
A few times a month	32	8.1
A few times a year	8	2
Never	21	5.3
How frequently do you OBSERVE FOR RUPTURE OF MEMBRANES?	N	%
	395	
Everyday	270	68.4
A few times a week	73	18.5
A few times a month	19	4.8
A few times a year	8	2
Never	25	6.3

How frequently do you ADJUST OXYTOCIN INFUSION?	N	%
	395	
Everyday	257	65.1
A few times a week	78	19.7
A few times a month	12	3
A few times a year	9	2.3
Never	39	9.9
How frequently do you ASSESS STAGES OF LABOR?	N	%
	395	
Everyday	304	77
A few times a week	46	11.6
A few times a month	6	1.5
A few times a year	8	2
Never	31	7.8
How frequently do you MONITOR INPUT AND OUTPUT ?	N	%
	395	
Everyday	301	76.2
A few times a week	64	16.2
A few times a month	15	3.8
A few times a year	2	0.5
Never	13	3.3
How frequently do you ASSESS FOR DRUG SIDE EFFECTS?	N	%
	395	
Everyday	317	80.3
A few times a week	44	11.1
A few times a month	16	4.1
A few times a year	7	1.8
Never	11	2.8
How frequently do you PROVIDE EDUCATION ON POSTPARTUM PHYSIOLOGIC CHANGES?	N	%
	395	
Everyday	214	54.2
A few times a week	69	17.5
A few times a month	42	10.6
A few times a year	27	6.8
Never	42	10.9
How frequently do you EDUCATE PATIENTS ABOUT POSTPARTUM NUTRITIONAL NEEDS?	N	%
	395	
Everyday	181	45.8
A few times a week	68	17.2
A few times a month	44	11.1
A few times a year	34	8.6
Never	68	17.2

How frequently do you PROVIDE EDUCATION ON INFANT CARE?	N	%
	396	
Everyday	227	57.5
A few times a week	60	15.2
A few times a month	24	6.1
A few times a year	37	9.4
Never	11.9	47
How frequently do you ADMINISTER NEONATAL RESUSCITATION DRUGS?	N	%
	395	
Everyday	3	0.8
A few times a week	12	3
A few times a month	51	12.9
A few times a year	206	52.2
Never	123	31.1
How frequently do you PERFORM A NEONATAL PHYSICAL EXAMINATION?	N	%
	395	
Everyday	199	50.4
A few times a week	73	18.5
A few times a month	21	5.3
A few times a year	0	0
Never	102	25.8

Practice Demographics
(Number of Respondents = 1159)

	N	%
Does your employer recognize your Inpatient Obstetric Nursing certification?		
Yes	867	74.8
No	292	25.2
Does your unit advocate the use of the National Institute of Child and Human Development Research Planning Workshop EFM Terminology?	N	%
Yes	539	46.5
No	620	53.5
Is certification in inpatient obstetric nursing required for your position?	N	%
Yes	49	4.2
No	1110	95.8
Do you hold an NCC certificate of added qualification in EFM?	N	%
Yes	223	19.2
No	936	80.8

Biographical Data
(Number of Respondents = 1159)

	Response	N	%
Practice Setting	Hospital	1115	96.2
	Physician's Office	13	1.1
	Academic Setting	13	1.1
	Follow-up Clinic	0	0
	Homecare	2	0.002
	Other	16	1.4
Education	Ph. D	13	1.1
	Master's	219	18.9
	Baccalaureate	502	43.3
	Associate	256	22.1
	Diploma	169	14.6
Years as an Inpatient Obstetric Nurse	1-5 years	46	4
	6-10 years	140	12.1
	11-15 years	250	21.6
	16-20 years	252	21.7
	Over 20 years	471	40.6
Practice Location	Northeast	308	26.6
	Southeast	264	22.8
	Midwest	263	22.7
	Northwest	92	7.9
	Southwest	210	18.1
	Outside the US	22	1.9
Job Title	Staff Nurse	768	66.3
	Nurse Manager	166	14.3
	Nurse Educator	76	6.6
	Clinical. Nurse Specialist	49	4.2
	Other	100	8.6