



2009 NCC Content Validation Task Analysis Study

Inpatient Obstetric Nursing Examination

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Table of Contents

Background and Overview

Development Process

Data Collection

Results

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 inpatient obstetric nurse.

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

The focus of the NCC certification is to demonstrate the special knowledge of the inpatient obstetric 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 existent test outlines.

2. Development process

With psychometric consultation, the tasks/skills/interventions identified by the content team were formulated into a survey instrument. The domains for query centered on the following:

- Demographics and Practice Characteristics of certified inpatient obstetric nurses
- Frequency and Criticality of Patient Care
- Skills

a. The following documents were reviewed:

- Standards for Professional Nursing Practice in the Care of Women and Newborns, AWHONN
- Neonatal Nursing: Clinical Competencies and Educational Guide, AWHONN
- Nursing Care and Management of the Second Stage of Labor, 2nd Edition, 2008, AWHONN
- Pertinent literature review

b. Review of current NCC competency statements and general and detailed test outlines for the inpatient obstetric nursing examination.

c. Identification of Essential Knowledge, Skills and Abilities

The Obstetric Content Team developed the survey based on the document review of identified competencies and practice skills of the inpatient obstetric nurse. General discussion on how current competency statements and content included in the test outline related to the professional literature was also initiated. The content team then prioritized the list of tasks/skills.

3. Data Collection

The Zoomerang software was used for survey deployment and aggregate data compilation from survey responses. All NCC certified inpatient obstetric nurses who held a valid email address (21,805) were notified by email contact and a general invitation to participate was posted on the NCC website. 1,104 participated or 5%.

Detailed summary results are shown later in this report.



2009 Inpatient Obstetric Nursing Content Validation/Task Analysis Study Survey Map

Instructions to Participants

We need your input to insure that the NCC Inpatient obstetric nurse examination is reflective of current practice. This survey relates to the type of patients you deal with, disposition of care and the nature and frequency of the conditions you manage. The data from this survey will assist the NCC Obstetric Content Team to make revisions to the content outline from which questions are derived for assessment of special knowledge as an inpatient obstetric nurse on the NCC certification examination. It should take 20 minutes to complete the survey.

The questions on the survey are categorized according to the identified domains above. The following lists only the questions. To review the answer options, refer to Survey Results.

Demographics and Practice Characteristics of Certified Inpatient Obstetric Nurse

- What best describes your practice setting?
- If employed by a hospital, is it a level 1, level 2 or level 3?
- If employed by a hospital what is your unit orientation?
- What is your job title?
- What is your highest level of education?
- How many hours do you work a week as inpatient obstetric nurse?
- How long have you held a position in inpatient obstetric specialty?
- Where do you live?
- Is NCC certification required for your employment as an inpatient obstetric nurse?
- How would you best describe the focus of your position - direct patient, administrative, educational or other?
- For each of the general test content categories, an assigned percentage of questions on the inpatient obstetric nursing exam is noted. Based on your practice and experience, do these percentages appropriately represent the knowledge needed for inpatient obstetric nurses to function in the current health care environment? If no, please indicate if you would increase, decrease or keep the percentage of questions the same for each major content area of the test.

Frequency and Criticality of Patient Care

- In reviewing the following practice knowledge competencies regarding **maternal factors affecting the fetus and newborn**, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.

- In reviewing the following practice knowledge competencies regarding **fetal assessment**, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.
- In reviewing the following practice knowledge competencies regarding **labor and delivery**, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.
- In reviewing the following practice knowledge competencies regarding **obstetric complications**, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.
- In reviewing the following practice knowledge competencies regarding **postpartum issues**, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.
- In reviewing the following practice knowledge competencies regarding the **normal newborn**, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.
- In reviewing the following practice knowledge competencies regarding **professional issues**, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience,
- Please indicate the time frequency on average you manage pregnant women with the following **pre-existing related maternal conditions or life style risks** with #1 being every day and #5 being rarely or never.
- Please indicate the time frequency on average you manage pregnant women who have the following **obstetric related conditions or problems** with #1 being every day and #5 being rarely or never.
- Please indicate the time frequency on average you manage pregnant women with the **following labor and delivery problems/complications** or have undergone the following obstetric procedures with #1 being every day and #5 being rarely or never.

- Please indicate the time frequency on average you manage **postpartum women with the following conditions or problems** with #1 being every day and #5 being rarely or never.
- Please indicate the time frequency on average you manage the following **neonatal conditions or problems** with #1 being every day and #5 being rarely or never.
- Please indicate the time frequency on average you perform, order, interpret or use results from the following **laboratory tests, diagnostic studies or equipment** with #1 being every day and #5 being rarely or never.

Skills

Of the skills or assessments noted how often do you perform with #1 being every day and #5 being rarely or never.

Questions of Interest

- Does your unit advocate the use of the NICHD terminology with regard to electronic fetal monitoring?
- Do you hold an NCC certificate of added qualification in electronic fetal monitoring?
- How do you keep up with the new practice information (Check all that apply)
- Please describe any perinatal safety initiatives (if any) your institution has sponsored or if Magnet status has been achieved within the last three years?
- List the content topic of the last continuing educational activity in which you participated
- Is there any issue or practice competency that you manage in your practice that was not mentioned in the survey?
- In the last year, please describe any new procedure, drug or information that you have incorporated into your practice?

599 responses and the top 10 responses were

Use of Amisure for ROM • Use of nifedepine for PTL • Adoption of NICHD terminology for EFM interpretation • Oral cytotec • Laboring down for 2nd stage of labor • Revamping of oxytocin protocols guidelines • Use of fetal fibronectin testing • Rapid GBS testing • Use of electronic records

**2009 INPATIENT OBSTETRIC NURSE
Exam Content Validation/Task Analysis Study –
Survey Results**

1. What best describes your practice setting?

Hospital	1024	93%
Physician's office	12	1%
Clinic (hospital or freestanding)	11	1%
Triage unit	5	0%
Home care	2	0%
Academic setting	12	1%
Educational (not an academic institution)	12	1%
Administration	5	0%
Research	1	0%
Other, please specify	15	1%
Total	1099	100%

2. If employed by a hospital, it is designated as

Level 1	216	20%
Level 2	387	35%
Level 3	406	37%
Not applicable	59	5%
Other, please specify	25	2%
Total	1093	100%

3. If you work in a hospital, what is your unit orientation?

Traditional separate L&D and postpartum	310	28%
LDR	361	33%
LDRP	295	27%
Antepartum Unit	38	3%
Not applicable	28	3%
Other, please specify	67	6%
Total	1099	100%

4. What is your job title? (Choose the best response).

Staff Nurse	796	72%
Nurse Manager	77	7%
Nurse Educator	67	6%
Nursing Director	26	2%
Clinical Nurse Specialist	23	2%
Outreach Coordinator	2	0%
Nursing Instructor/Professor	12	1%
Other, please specify	99	9%
Total	1102	100%

5. What is your highest level of education?

Doctorate - PhD	2	0%
Doctorate - DNP	1	0%
Post Master's	6	1%
Master's	134	12%
Baccalaureate	597	54%
Associate	270	25%
Diploma	70	6%
Other, please specify	20	2%
Total	1100	100%

6. How many hours do you work a week? Work is defined as clinical practice, educational, research or administration.

35 hours or more	780	71%
20-34 hours	270	25%
Less than 20 hours	33	3%
Not working right now	8	1%
Retired	3	0%
Other, please specify	7	1%
Total	1101	100%

7. How long have you held a position in the inpatient obstetric nursing specialty?

Less than a year	9	1%
1-5 years	212	19%
6-10 years	331	30%
11-15 years	174	16%
16-20 years	114	10%
Over 20 years	260	24%
Total	1100	100%

8. Where do you live (applies to the U.S unless otherwise noted)?

North	95	9%
South	275	25%
East	211	19%
West	265	24%
Midwest	248	23%
Outside the U.S.	4	0%
Total	1098	100%

9. Is NCC inpatient obstetric nursing certification required for your employment?

Yes	40	4%
No	1059	96%
Not applicable	3	0%
Total	1102	100%

10. How would you best describe the focus of your position? (Select the one that is most representative of your position).

Direct patient care	851	77%
Administrative or managerial	124	11%
Educational	90	8%
Research	3	0%
Other, please specify	31	3%
Total	1099	100%

11. The test content percentages below represent the number of questions on the inpatient obstetric nursing (INPT) exam. Based on your experience, do these percentages adequately represent the knowledge needed for INPT nurses to function in today's health care environment?
 A link to the general outline providing more content detail can be accessed by accessing the link above or putting it in your browser if the link will not work.

Maternal Factors Affecting Fetus/Newborn 10-15%
 Fetal Assessment 15-25%
 Labor & Delivery 25-35%
 OB Complications 15-25%
 Postpartum 5-15%
 Newborn 5-10%
 Professional Issues <2%

Yes	1024	93%
No	74	7%
Total	1098	100%

12. If you answered no to the previous question about the content outline, please indicate if you would increase, decrease or keep the percentage of questions in each major content area on the exam. If you answered yes, go to the next question.

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Increase	Decrease	Keep the same
Maternal Factors Affecting the Fetus & Newborn 10-15%	28 20%	11 8%	99 72%
Fetal Assessment 15-25%	28 20%	17 12%	94 68%
Labor & Delivery 25-35%	30 21%	13 9%	97 69%
OB Complications 15-25%	43 30%	5 4%	93 66%
Postpartum 5-15%	10 7%	45 31%	88 62%
Newborn 5-10%	20 14%	34 24%	89 62%
Professional Issues <2%	31 22%	14 10%	99 69%

13. In reviewing the following practice knowledge competencies regarding Maternal Factors Affecting the Fetus and Newborn, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Very Important	Important	Neutral	Some Importance	No Importance
Disease Processes	593 54%	448 41%	34 3%	17 2%	4 0%
Pregnancy Risks	780 71%	275 25%	15 1%	20 2%	4 0%

14. In reviewing the following practice knowledge competencies regarding Fetal Assessment, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Very Important	Important	Neutral	Some importance	No importance
Antepartum Assessment	690 63%	366 33%	24 2%	14 1%	2 0%
Electronic Fetal Monitoring	963 88%	115 10%	10 1%	4 0%	5 0%
Non-electronic Fetal Monitoring	269 25%	491 45%	218 20%	96 9%	21 2%
Acid-Base Assessment	177 16%	524 48%	277 25%	103 9%	16 1%

15. In reviewing the following practice knowledge competencies regarding Labor and Delivery, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Very Important	Important	Neutral	Some Importance	No Importance
Physiology of Labor	727 66%	322 29%	31 3%	11 1%	4 0%
Labor Management	962 88%	123 11%	5 0%	1 0%	4 0%
Obstetric Procedures	745 68%	313 29%	29 3%	5 0%	4 0%
Pain Management	686 63%	362 33%	36 3%	8 1%	3 0%

16. In reviewing the following practice knowledge competencies regarding Obstetric Complications, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Very Important	Important	Neutral	Some Importance	No importance
Labor and Placental Disorders	816 75%	250 23%	16 1%	8 1%	2 0%
Preterm Labor	833 76%	241 22%	13 1%	4 0%	2 0%
Multiple Gestation	464 42%	552 50%	54 5%	24 2%	2 0%
Prolonged Pregnancy	410 38%	544 50%	102 9%	34 3%	2 0%

17. In reviewing the following practice knowledge competencies regarding Postpartum, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Very Important	Important	Neutral	Some importance	No importance
Physiology of the Postpartum Woman	506 46%	484 44%	66 6%	39 4%	4 0%
Family Adaptation	206 19%	590 54%	212 19%	80 7%	9 1%
Lactation	360 33%	542 49%	134 12%	58 5%	4 0%
Complications of the Postpartum Period	692 63%	339 31%	37 3%	24 2%	3 0%
Discharge Planning & Home Care	254 23%	523 48%	197 18%	108 10%	14 1%

18. In reviewing the following practice knowledge competencies regarding Normal Newborn, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience,

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Very Important	Importance	Neutral	Some importance	No importance
Adaptation to Extrauterine Life	681 62%	356 32%	36 3%	18 2%	6 1%
Newborn Assessment	721 66%	319 29%	31 3%	20 2%	3 0%
Resuscitation	974 89%	110 10%	6 1%	3 0%	3 0%
Pathophysiology	436 40%	532 49%	86 8%	38 3%	4 0%
Nutrition	268 25%	573 52%	162 15%	80 7%	10 1%

19. In reviewing the following practice knowledge competencies regarding Professional Issues, please indicate their criticality to inpatient obstetric nursing practice with #1 being the most important and #5 not being important at all. Criticality means it is an expected competency that an inpatient obstetric nurse should possess no matter the educational background, practice setting, patient population focus or years of experience.

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Very Important	Important	Neutral	Some importance	No importance
Ethical Principles	460 42%	499 46%	99 9%	32 3%	2 0%
Legal Issues	590 54%	409 37%	74 7%	21 2%	3 0%
Research	168 15%	525 48%	278 25%	110 10%	16 1%
Patient Safety	794 72%	255 23%	32 3%	12 1%	3 0%

20. Listed below are a variety of pre-existing related maternal conditions or lifestyle risks . Please indicate the time frequency on average you manage pregnant women with any or all the conditions or lifestyle risks with #1 being every day and #5 being rarely or never. (Select the option closest to your experience).

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Every day	Every week	Every month	Within the last year	Rarely /never
Alcohol use	24 2%	115 11%	267 24%	469 43%	217 20%
Anemia	185 17%	458 42%	341 31%	102 9%	11 1%
Asthma	52 5%	360 33%	447 41%	219 20%	16 1%
Autoimmune disease	13 1%	106 10%	318 29%	500 46%	156 14%
Cardiac disease	23 2%	87 8%	217 20%	565 52%	196 18%
Chronic hypertension	200 18%	443 41%	355 33%	88 8%	6 1%
Cigarette smoking	338 31%	437 40%	231 21%	71 6%	19 2%
Diabetes mellitus	232 21%	488 45%	300 28%	59 5%	7 1%
Domestic violence	17 2%	97 9%	329 30%	509 47%	132 12%
Environmental hazards	13 1%	63 6%	212 19%	430 39%	371 34%
Cocaine use	34 3%	117 11%	271 25%	448 41%	219 20%
Heroin use	27 2%	56 5%	148 14%	402 37%	451 42%
Infections (fungal, viral STIs)	136 13%	320 30%	366 34%	216 20%	46 4%
Methadone therapy	28 3%	72 7%	236 22%	485 44%	272 25%
Renal/GU disease	35 3%	155 14%	340 31%	406 37%	159 15%
Thyroid disease	30 3%	175 16%	413 38%	400 37%	75 7%

21. Listed below are a variety of obstetric related conditions or problems . Please indicate the time frequency on average you manage pregnant women with any or all the conditions/problems with #1 being every day and #5 being rarely or never. (Select the option closest to your experience)

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Every day	Every week	Every month	Within the last year	Rarely / never
Abruptio placenta	19 2%	77 7%	359 33%	594 54%	44 4%
Amniotic fluid embolism	11 1%	3 0%	7 1%	210 19%	864 79%
Disseminated vascular coagulation	13 1%	11 1%	74 7%	578 53%	416 38%
Gestational diabetes	251 23%	516 47%	294 27%	31 3%	3 0%
Gestational hypertension	278 25%	576 53%	215 20%	20 2%	3 0%
Group B streptococcal infection	511 47%	449 41%	83 8%	36 3%	10 1%
HELLP syndrome	25 2%	107 10%	356 33%	517 48%	78 7%
Intraamniotic infection	43 4%	148 14%	367 34%	426 39%	102 9%
Macrosomia	92 8%	365 34%	479 44%	138 13%	15 1%
Multiple gestation	79 7%	231 21%	500 46%	267 24%	15 1%
Oligohydramnios	97 9%	322 30%	490 45%	174 16%	5 0%
Patients on steroid therapy	82 8%	203 19%	320 29%	344 32%	141 13%
Placenta previa	36 3%	130 12%	445 41%	437 40%	35 3%
Polyhydramnios	34 3%	148 14%	473 44%	398 37%	29 3%
Pregnancy loss	43 4%	170 16%	532 49%	329 30%	6 1%
Premature rupture of membranes	129	341	477	136	6

	12%	31%	44%	12%	1%
Prolonged Pregnancy	74	268	391	238	117
	7%	25%	36%	22%	11%
Pulmonary embolism	12	6	42	363	667
	1%	1%	4%	33%	61%
Rh disease	28	57	135	340	528
	3%	5%	12%	31%	49%
Third trimester bleeding	42	120	425	437	70
	4%	11%	39%	40%	6%
Trauma	18	85	286	474	228
	2%	8%	26%	43%	21%

22. Listed below are a variety of labor and delivery problems or procedures. Please indicate the time frequency on average you manage pregnant women with these issues with #1 being every day and #5 being rarely or never. (Select the option closest to your experience)

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Every day	Every week	Every month	Within the last year	Rarely / never
Anticoagulation therapy	20 2%	76 7%	273 25%	545 50%	179 16%
Cervical ripening	532 49%	435 40%	98 9%	19 2%	11 1%
Cesarean birth	645 59%	386 35%	49 4%	12 1%	4 0%
Dystocia	71 7%	261 24%	476 44%	254 23%	29 3%
Elective cesarean birth	262 24%	333 31%	246 23%	194 18%	55 5%
Elective induction of labor	572 52%	332 30%	121 11%	51 5%	17 2%
Epidural anesthesia	905 83%	140 13%	17 2%	13 1%	18 2%
Forceps delivery	27 2%	149 14%	323 30%	364 33%	227 21%
Hypertonic labor	86 8%	273 26%	366 34%	268 25%	73 7%
Hypotonic labor	114 11%	358 33%	381 35%	177 16%	50 5%
Induction of labor	802 74%	231 21%	37 3%	12 1%	8 1%
Malpresentation	69 6%	285 26%	520 48%	192 18%	23 2%
Precipitous delivery	71 7%	326 30%	502 46%	178 16%	10 1%
Preterm labor	244 22%	482 44%	311 28%	53 5%	3 0%
Prolapsed cord	9 1%	17 2%	161 15%	609 56%	296 27%
Spinal anesthesia	441 40%	398 36%	165 15%	60 5%	28 3%

Tocolytic therapy	266 24%	447 41%	299 27%	72 7%	8 1%
Uterine tachysystole	106 10%	320 30%	344 32%	209 19%	104 10%
Vacuum extraction	73 7%	367 33%	463 42%	161 15%	32 3%
VBAC	54 5%	196 18%	390 36%	273 25%	180 16%

23. Listed below are a variety of postpartum conditions or issues. Please indicate the time frequency on average you manage postpartum women with any or all the conditions or issues with #1 being every day and #5 being rarely or never. (Select the option closest to your experience).

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Every day	Every week	Every month	Within the last year	Rarely / never
Breast engorgement	46 4%	174 16%	215 20%	242 23%	396 37%
Breast infection	5 0%	21 2%	106 10%	366 34%	570 53%
Breastfeeding problems	307 29%	352 33%	201 19%	100 9%	112 10%
Deep vein thrombosis	7 1%	16 1%	90 8%	505 47%	452 42%
Endometritis	7 1%	17 2%	112 10%	423 40%	508 48%
Infant attachment problems	42 4%	86 8%	179 17%	341 32%	418 39%
Inadequate latch on	189 18%	375 35%	302 28%	109 10%	95 9%
Plugged ducts	8 1%	43 4%	146 14%	312 29%	557 52%
Postpartum blues	27 3%	87 8%	246 23%	336 32%	369 35%
Postpartum fever	12 1%	93 9%	344 32%	387 36%	228 21%
Postpartum hemorrhage	23 2%	153 14%	480 45%	369 34%	48 4%
Pulmonary embolism	8 1%	3 0%	32 3%	239 22%	784 74%
Stillbirth	24 2%	86 8%	355 33%	508 47%	109 10%
Wound infection	7 1%	23 2%	150 14%	479 45%	408 38%

24. Listed below are a variety of neonatal conditions or problems. Please indicate the time frequency on average you manage neonates with any or all the conditions with #1 being every day and #5 being rarely or never. (Select the option closest to your experience).

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Every day	Every week	Every month	Within the last year	Rarely / never
Benign skin disorders (milia, etc.)	223 21%	277 26%	194 18%	139 13%	235 22%
Brachial plexus injury/birth trauma	5 0%	11 1%	84 8%	528 50%	434 41%
Caput succedaneum	109 10%	297 28%	308 29%	220 21%	133 12%
Cephalohematoma	10 1%	93 9%	296 28%	438 41%	229 21%
Congenital anomalies	7 1%	40 4%	170 16%	646 60%	206 19%
Exposure to sexually transmitted infections	30 3%	70 7%	182 17%	416 39%	370 35%
Feeding problems	124 12%	366 34%	280 26%	135 13%	158 15%
Hyperbilirubinemia	53 5%	302 29%	321 30%	133 13%	247 23%
Hypoglycemia	64 6%	313 29%	398 37%	186 17%	103 10%
Infection/sepsis	20 2%	119 11%	327 31%	388 36%	211 20%
Rh incompatibility	12 1%	60 6%	188 18%	310 29%	489 46%
Temperature instability	64 6%	303 28%	392 37%	199 19%	108 10%

25. Of the laboratory tests, diagnostic studies or equipment below, how often do you order, perform, interpret or use results with #1 being every day and #5 being rarely or never? (Select the option that is closest to your experience).

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Every day	Every week	Every month	Within the last year	Rarely or never
Amniocentesis	24 2%	75 7%	257 24%	386 36%	341 31%
Biophysical profile	134 12%	371 34%	318 29%	152 14%	107 10%
Contraction stress testing	53 5%	103 9%	195 18%	356 33%	378 35%
Coombs test	153 14%	225 21%	194 18%	145 14%	350 33%
Fetal fibronectin	120 11%	380 35%	351 32%	146 13%	93 9%
Fetal movement counting	341 31%	349 32%	229 21%	90 8%	74 7%
Maternal bacterial culture	208 19%	276 26%	300 28%	192 18%	103 10%
Maternal coagulation studies	126 12%	304 28%	386 36%	198 18%	58 5%
Maternal platelet count	655 61%	269 25%	116 11%	28 3%	11 1%
Maternal serum (prenatal) screening	382 36%	190 18%	182 17%	159 15%	162 15%
Maternal serum glucose testing	277 26%	291 27%	271 25%	137 13%	103 10%
Maternal urinalysis	633 58%	322 30%	88 8%	31 3%	11 1%
Neonatal bacterial cultures	26 2%	117 11%	236 22%	206 19%	478 45%
Neonatal bilirubin levels	178 17%	205 19%	139 13%	110 10%	434 41%
Neonatal calcium levels	9 1%	33 3%	83 8%	183 17%	754 71%
Neonatal complete blood count	52	159	228	159	460

	5%	15%	22%	15%	43%
Neonatal electrolyte levels	13	69	153	207	618
	1%	7%	14%	20%	58%
Neonatal hematocrit/hemoglobin	58	142	206	176	476
	5%	13%	19%	17%	45%
Neonatal serum glucose testing	151	312	180	94	328
	14%	29%	17%	9%	31%
Neonatal thyroid testing	17	19	42	155	834
	2%	2%	4%	15%	78%
Neonatal urinalysis	19	36	118	232	656
	2%	3%	11%	22%	62%
Newborn screening	285	165	90	93	429
	27%	16%	8%	9%	40%
Nitrazine testing	332	381	127	52	179
	31%	36%	12%	5%	17%
Nonstress testing	639	317	83	22	20
	59%	29%	8%	2%	2%
Nuchal translucency	19	35	58	130	821
	2%	3%	5%	12%	77%
Ultrasound	264	369	232	75	135
	25%	34%	22%	7%	13%

26. Of the skills or assessments listed below, how often do you perform them with #1 being every day and #5 being rarely or never? (Select the option that is closest to your experience).

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	Every Day	Every Week	Every Month	Within the last year	Rarely or Never
Administer eye prophylaxis	669 62%	161 15%	38 3%	57 5%	162 15%
Assess for drug interactions/side effects	680 63%	158 15%	71 7%	70 6%	98 9%
Assess neonatal vital signs	807 75%	122 11%	47 4%	39 4%	67 6%
Assess for gestational age	622 57%	153 14%	77 7%	67 6%	163 15%
Assess stages of labor	898 83%	124 11%	24 2%	15 1%	25 2%
Administer maternal medications	962 89%	87 8%	15 1%	9 1%	11 1%
Assess for signs of active labor	940 87%	103 9%	23 2%	7 1%	12 1%
Assess maternal reflexes	703 65%	252 23%	95 9%	19 2%	14 1%
Auscultate maternal lung sounds	826 77%	159 15%	65 6%	11 1%	13 1%
Auscultate the fetal heart rate	797 74%	113 10%	52 5%	40 4%	77 7%
Care of neonate undergoing phototherapy	53 5%	128 12%	231 21%	171 16%	497 46%
Establish IV access	889 82%	118 11%	33 3%	17 2%	29 3%
Initiate chain of command	203 19%	151 14%	251 23%	345 32%	129 12%
Interpret electronic fetal monitoring patterns	982 91%	77 7%	11 1%	8 1%	6 1%
Manage patients receiving oxytocin	776	210	38	20	34

	72%	19%	4%	2%	3%
Manage patients undergoing cervical ripening	628	302	87	27	33
	58%	28%	8%	3%	3%
Managing patients with multiple gestations	139	224	447	234	35
	13%	21%	41%	22%	3%
Monitor input and output	793	191	65	17	16
	73%	18%	6%	2%	1%
Observe for rupture of membranes	826	193	42	11	8
	76%	18%	4%	1%	1%
Obtain maternal vital signs	986	59	15	7	4
	92%	6%	1%	1%	0%
Perform a maternal physical exam	925	79	30	17	24
	86%	7%	3%	2%	2%
Perform a newborn physical exam	624	185	75	52	142
	58%	17%	7%	5%	13%
Perform fundal massage	843	153	36	23	23
	78%	14%	3%	2%	2%
Perform intratuterie resuscitation	382	346	191	80	79
	35%	32%	18%	7%	7%
Perform Leopold maneuvers	486	218	143	109	118
	45%	20%	13%	10%	11%
Perform maternal resuscitation	65	39	63	244	670
	6%	4%	6%	23%	62%
Perform neonatal behavior exam	203	138	136	156	439
	19%	13%	13%	15%	41%
Provide labor support	875	131	36	22	20
	81%	12%	3%	2%	2%
Provide patient education	1007	59	13	4	2
	93%	5%	1%	0%	0%
Review maternal history	987	66	11	7	2
	92%	6%	1%	1%	0%
Perform neonatal resuscitation	158	188	338	271	121
	15%	17%	31%	25%	11%
Perform sterile speculum examination	172	181	161	84	486
	16%	17%	15%	8%	45%
Perform a vaginal examination	812	145	47	29	51
	75%	13%	4%	3%	5%

27. How do you keep up with new practice information? (Check as many as apply)

Hold membership in a professional organization	633	57%
Attend live presentation continuing education programs	952	86%
Use home study continuing education materials/tests	619	56%
Use web-based (online) home study education programs	617	56%
Attend online programs like podcasts or webinars	204	19%
Attend institutional inservice programs	798	72%
Visit professional websites	487	44%
Subscribe to a journal or professional resource	559	51%
Downloads to PDA or IPOD	36	3%
Pursue academic degree or classes	229	21%
Read research articles or papers	708	64%
Participate in research projects	158	14%