



DOH 346-154

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Patient Volume-based Staffing Matrix Formula Template

Minimum means the minimum number of RNs, LPNs, CNAs, and UAPs per shift based on the average needs of the unit such as patient acuity, staff skill level, and patient care activities. If a unit does not utilize certain staff for that shift please put "0", do not leave it blank.

| Unit/ Clinic Name: | | Family Birth Center, L&D | | | | | | | | | |
|-----------------------|------------|---|---------------|----------------|----------------|----------------|--------------------|-------------------|-------------------|-------------------|--|
| Unit/ Clinic Type: | | Procedure, OB-ED, Outpatient, OR | | | | | | | | | |
| Unit/ Clinic Address: | | MultiCare Deaconess Hospital, 800 W. Fifth Ave. Spokane, WA 99204 | | | | | | | | | |
| Average Daily Census: | | 7 | | | | | Maximum # of Beds: | | 16, PLUS 3 OR'S | | |
| Effective as of: | | 10/30/2024 | | | | | | | | | |
| # of Rooms | | | | | | | | | | | |
| # of Rooms | Shift Type | Shift Length in Hours | Min # of RN's | Min # of LPN's | Min # of CNA's | Min # of UAP's | Min # of RN HPUS | Min # of LPN HPUS | Min # of CNA HPUS | Min # of UAP HPUS | Total Minimum Direct Pt. Care HPUS (hours per unit of service) |
| 0 | Day | 12 | 2 | 0 | 0 | 2 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| | Nights | 12 | 2 | 0 | 0 | 2 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 1 | Day | 12 | 2 | 0 | 0 | 2 | 24.00 | 0.00 | 0.00 | 24.00 | 96.00 |
| | Nights | 12 | 2 | 0 | 0 | 2 | 24.00 | 0.00 | 0.00 | 24.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | Day | 12 | 4 | 0 | 0 | 2 | 24.00 | 0.00 | 0.00 | 12.00 | 72.00 |
| | Nights | 12 | 4 | 0 | 0 | 2 | 24.00 | 0.00 | 0.00 | 12.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | Day | 12 | 5 | 0 | 0 | 2 | 20.00 | 0.00 | 0.00 | 8.00 | |
| | Nights | 12 | 5 | 0 | 0 | 2 | 20.00 | 0.00 | 0.00 | 8.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | |
|---|--------|----|----|---|---|---|-------|------|------|---------|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 56.00 |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | Day | 12 | 6 | 0 | 0 | 2 | 18.00 | 0.00 | 0.00 | 6.00 | 48.00 |
| | Nights | 12 | 6 | 0 | 0 | 2 | 18.00 | 0.00 | 0.00 | 6.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | Day | 12 | 7 | 0 | 0 | 2 | 16.80 | 0.00 | 0.00 | 4.80 | 43.20 |
| | Nights | 12 | 7 | 0 | 0 | 2 | 16.80 | 0.00 | 0.00 | 4.80 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | Day | 12 | 8 | 0 | 0 | 2 | 16.00 | 0.00 | 0.00 | 4.00 | 40.00 |
| | Nights | 12 | 8 | 0 | 0 | 2 | 16.00 | 0.00 | 0.00 | 4.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | Day | 12 | 9 | 0 | 0 | 2 | 15.43 | 0.00 | 0.00 | 3.43 | 37.71 |
| | Nights | 12 | 9 | 0 | 0 | 2 | 15.43 | 0.00 | 0.00 | 3.43 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | Day | 12 | 10 | 0 | 0 | 2 | 15.00 | 0.00 | 0.00 | #DIV/0! | #DIV/0! |
| | Nights | 12 | 10 | 0 | 0 | 2 | 15.00 | 0.00 | 0.00 | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | #DIV/0! | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | #DIV/0! | |
| 9 | Day | 12 | 11 | 0 | 0 | 2 | 14.67 | 0.00 | 0.00 | 2.67 | |
| | Nights | 12 | 11 | 0 | 0 | 2 | 14.67 | 0.00 | 0.00 | 2.67 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |



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Unit Information

| Additional Care Team Members | | | | |
|------------------------------|----------------|---------|-------|---------|
| Occupation | Shift Coverage | | | |
| | Day | Evening | Night | Weekend |
| HUC/OB Tech | X | | X | X |
| Clinical ANM/Charge RN | X | | X | X |
| ZNICU ALS RN | X | | X | X |
| Social Worker | X | | | |
| Nurse Tech | X | | X | |
| Chaplain | X | | | |
| RRT RN | X | | X | X |
| Opioid Use Disorder RN NAV | X | | | |
| Childbirth Educator | X | | | |
| | | | | |
| | | | | |
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Unit Information

**Factors Considered in the Development of the Unit Staffing Plan
(Check all that apply):**

- Activity such as patient admissions, discharges, and transfers

Description:

Staffing in L&D is dependant upon acuity to meet AWHONN standards of care. Charge RN not included in staffing matrix. Procedures scheduled include surgical births (cesarean section) inductions of labor, and medical interruptions of pregnancy which then include perinatal bereavement care. Outpatient scheduled procedures may include: cerclage placements, external cephalic versions, fetal surveillance, and other testing for maternal/fetal wellbeing. OB-ED provides care for >=20 weeks gestation and above with obstetrical complaints. Staffing needs to account for walk in laboring patients that need to be triaged and evaluated as well. All staffing is based on patient acuity and is evaluated hourly.

- Patient acuity level, intensity of care needs, and the type of care to be delivered on each shift

Description:

Hourly acuity reviewed by the charge nurse and staffing is based on AWHONN standards for staffing a perinatal obstetrical unit. Acuity ranges: 1:1 (nurse:patient) during active phase of labor, to 2:1 during a delivery, during OB emergencies (remains 2:1 until stable, can be multiple hours), with acceptance of a transport for the first hour, if complications arise during delivery such as a postpartum hemorrhage would remain 2:1 ratio until stable. 1:2 (cervical ripening or early labor without complications) to 1:3 (normal postpartum couplet or stable antepartums) or 1:1 unstable antepartum. OB-ED or triage patients staffed 1:1 for minimum of first hour of care, can be 2:1 depending on level of labor or emergency level that patient arrives and average of 3.5 hours of care per patient.

Skill mix

Description:

Level of experience of nursing and patient care staff

Description:

Need for specialized or intensive equipment

Description:

Architecture and geography of the unit such as placement of patient rooms, treatment areas, nursing stations, medication preparation areas, and equipment

Description:

Other

Description: