

Essential Newborn Care Situation Assessment Tool: District and Provincial Newborn Services

For use by district and provincial neonatal coordinators and lead clinicians to evaluate Essential Newborn Care Services and plan and prioritize improvement and support

If using it at provincial level, then print additional pages for the evaluation of each district

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Essential Newborn Care: Provincial or District Improvement Team

List the key role players in neonatal improvement in your province and districts.

Include external members, and assessors who will do neonatal accreditation

| | Name | Telephone Fax | Email address |
|--|------|------------------|---------------|
| Head of Health | | | |
| MCWH manager | | | |
| Child Health Manager | | | |
| Tertiary and Regional Hospitals | | | |
| District Hospitals | | | |
| Provincial Paediatrician | | | |
| Paediatrician at Tertiary Centre | | | |
| Regional Paediatrician | | | |
| Neonatal Nurse co-ordinator | | | |
| Neonatal Nurse trainers | | | |
| PPIP and DHIS data coordinator | | | |
| Neonatal nurse | | | |
| Advanced midwife | | | |
| Community representative | | | |
| What else does the provincial neonatal coordinator do? | | | |
| External assessors | | | |
| | | | |
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1. Neonatal and Perinatal Data

Perinatal and Neonatal Summary Data for each Hospitals in A District

(Duplicate for each district)

District _____

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| Regional Hospital | | | | | | | |
| District Hospital | | | | | | | |
| Total live births for facility | | | | | | | |
| Total live births in facility and clinics | | | | | | | |
| Total live births in district | | | | | | | |
| ENND / 1000 > 999g | | | | | | | |
| ENND / 1000 | | | | | | | |
| LNND / 1000 | | | | | | | |
| NND / 1000 | | | | | | | |
| ENND (BW >2500g) | | | | | | | |
| ENND (BW 1500 - 1999g) | | | | | | | |
| ENND(BW 1000 –1499g) | | | | | | | |
| ENND (BW > 999g) | | | | | | | |
| % Admissions to Neonatal Unit | | | | | | | |
| % Admissions from DH | | | | | | | |
| LBW % | | | | | | | |
| Cause of death in babies > 999g (% of deaths) | | | | | | | |
| 1. Immaturity | | | | | | | |
| 2. Hypoxia | | | | | | | |
| 3. Infection | | | | | | | |
| 4. Cong abnormality | | | | | | | |
| 5. Other | | | | | | | |

Summary data for all districts

| | | | | | | | Total |
|---|--|--|--|--|--|--|-------|
| District | | | | | | | |
| Total live births | | | | | | | |
| ENNDR / 1000 > 999g | | | | | | | |
| ENNDR / 1000 | | | | | | | |
| LNNDR / 1000 | | | | | | | |
| NNDR / 1000 | | | | | | | |
| ENNDR (BW >2500g) | | | | | | | |
| ENNDR (BW 1500 - 1999g) | | | | | | | |
| ENNDR (BW 1000 – 1499g) | | | | | | | |
| ENNDR (BW > 999g) | | | | | | | |
| % Admissions to NNU | | | | | | | |
| LBW % | | | | | | | |
| Cause of death in babies > 999g (% of deaths) | | | | | | | |
| 1. Immaturity | | | | | | | |
| 2. Hypoxia | | | | | | | |
| 3. Infection | | | | | | | |
| 4. Congl Abnormality | | | | | | | |
| 5. Other | | | | | | | |

| | Provincial Target | District Target | District Target | District Target | District Target | District Target |
|--------------------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| ENNDR / 1000 > 999g | 8 | | | | | |
| ENNDR / 1000 | 10 | | | | | |
| LNNDR / 1000 | 2 | | | | | |
| NNDR / 1000 | 10 | | | | | |
| ENNDR /1000 (BW >2500g) | 4 | | | | | |
| ENNDR / 1000 (BW 1500 - 1999g) | 50 | | | | | |
| ENNDR / 1000 (BW 1000 –1499g) | 150 | | | | | |
| % Admissions to Neonatal Unit | 15% | | | | | |
| % Admissions from Referral Area (RH) | 5% | | | | | |
| SB Rate /1000 | | | | | | |
| PNMR /1000 | | | | | | |
| PNMR / 1000 (BW > 999g) | | | | | | |
| PCI | | | | | | |
| % Caesarean sections | | | | | | |

2. Facilities and bed numbers

List the following for all facilities. (Make additional copies for each district)

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| <i>District</i> | | | | | | | |
| 2.1 Bed number and facilities | | | | | | | |
| Hospital Name | | | | | | | |
| No of Deliveries in last year | | | | | | | |
| Level of care | | | | | | | |
| Required beds | | | | | | | |
| Actual HC/ICU | | | | | | | |
| Actual SC/KMC | | | | | | | |
| Total | | | | | | | |
| Deficit of beds | | | | | | | |
| 2.2 Additional facility requirements for neonatal unit | | | | | | | |
| Air-conditioning required | | | | | | | |
| Electrical requirement | | | | | | | |
| Oxygen requirements | | | | | | | |
| Medical Air requirements | | | | | | | |
| Infection control needs | | | | | | | |
| Administrative and utility areas | | | | | | | |
| What are the immediate and long term plans for facility | | | | | | | |
| 1. No Changes | | | | | | | |
| 2. Small structural changes to be done locally | | | | | | | |
| 3. Minor extensions | | | | | | | |
| 4. Addition of new unit | | | | | | | |
| Estimated costs: | | | | | | | |
| Priorities | | | | | | | |

3. Equipment requirements

| Hospital | | | | | | | |
|-----------------------------|--|--|--|--|--|--|--|
| Incubators | | | | | | | |
| Phototherapy units | | | | | | | |
| Bilirubin meters | | | | | | | |
| Electronic scales | | | | | | | |
| Ventilators | | | | | | | |
| Nasal CPAP | | | | | | | |
| Pulse oximeters | | | | | | | |
| Oxygen blenders | | | | | | | |
| Apnoea monitors | | | | | | | |
| Transillumination light | | | | | | | |
| Infusion controllers | | | | | | | |
| Resuscitaires | | | | | | | |
| Neonatal Bag Valve Mask | | | | | | | |
| | | | | | | | |
| Priorities for the district | | | | | | | |
| Estimated cost | | | | | | | |

| 4. Tertiary neonatal unit | |
|--|--|
| Bed Numbers | |
| Bed requirements | |
| Facility requirements | |
| Equipment requirements | |
| No of paediatricians and neonatologists | |
| Recruitment and advertisement required for specialists | |
| Neonatal Nurse requirements and recruitment plan | |
| 5. Regional neonatal units | |
| Bed requirements | |
| Beds available | |
| Facility requirements | |
| Equipment requirements | |
| Paediatric recruitment strategy | |
| Costs | |

6. Neonatal transfer and transport:

| | |
|--|--|
| Dedicated neonatal transport in the province | |
| Are all ambulances equipped for neonatal transfers | |
| Training and skill of EMS staff in neonatal transfer | |
| Are there referral guidelines in place | |
| Are the referral guidelines implemented and if not what are the constraints. | |
| Plans for neonatal transport | |
| Cost implications | |

7. Neonatal improvement process

| | |
|--|--|
| What neonatal improvements teams are in each district? | |
| What advocacy is planned in each district For community For managers For health workers | |
| What neonatal improvement activities are in place in each district to improve newborn care? | |

8. Neonatal job aids in the provinces

Comments on what is in place, and what plans are to develop these

| | |
|--|--|
| Provincial Neonatal norms and standards, consultation and agreement | |
| What neonatal guidelines are to be used at level I,II, III facilities? | |
| Provincial Neonatal record? Include transfer form? | |
| Provincial observation charts | |
| Other Job Aids | |

9. Neonatal training

| Neonatal skills development and training plans | |
|--|--|
| HBB Master trainer | |
| HBB training needs and plans | |
| HBB facilitator needs | |
| HBB Workbooks and mannequins required | |
| Advanced neonatal resuscitation Master trainer | |
| Advanced Neonatal resuscitation needs and plans | |
| Mannequins and material required | |
| LINC Routine care and MSSN master trainers | |
| Plans for LINC Routine care training | |
| Plans for LINC MSSN PN training | |
| Plans for LINC MSSN EN training | |
| Plans for LINC Doctors Training | |
| Plan for neonatal ICU training | |
| Arrangement for in-service training and mentoring in each district | |
| | |
| | |
| | |
| | |

10. Accreditation:

| | |
|-------------------------------------|--|
| Accreditation team in place | |
| Accreditation standards set | |
| Process of Accreditation determined | |
| Hospital preparation and support | |
| Accreditation visits | |
| | |

Summary of Action Plans

| Area | Activities | Steps | Time line and person responsible | New resources | Progress |
|------------------------------|------------|-------|----------------------------------|---------------|----------|
| Targets for districts | | | | | |
| District Hospital Facilities | | | | | |
| Equipment | | | | | |
| Regional Facilities | | | | | |
| Tertiary facilities | | | | | |
| Training | | | | | |
| Job Aids | | | | | |
| Referral policies | | | | | |
| Neonatal improvement process | | | | | |
| District specialists | | | | | |
| Accreditation | | | | | |