

# **PUSH! Global Report Card Scoring Criteria & All Recommendations for Each of the Indicators**

## **PUSH! Global Report Card Scoring Criteria**

### **Data folate studies:**

1 Star = WHO data OR published population-based or large hospital-based data on RBC or serum folate levels (Publication Year: 1990 or upwards); 1/2 Star = Small studies on RBC or folate levels (Publication Year: 1990 or upwards); X = No studies on RBC or serum folate levels studies (Publication Year: 1990 or upwards)

### **Prevention:**

Spina Bifida: 1 Star = Mandatory folic acid fortification policy is implemented and is aligned with WHO standards; 1/2 Star = Voluntary folic acid fortification policy is implemented and is aligned with WHO standards; X = No mandatory or voluntary folic acid fortification policies.

Hydrocephalus: 1 Star = On track to, or has achieved MDG 4 AND MDG 5 targets; 1/2 Star = On track to, or achieved MDG 4 OR MDG 5 targets; X = MDG 4 and 5 targets not met or on track

### **Prevalence and Mortality:**

Prevalence: 1 Star = Published population-based or large hospital-based prevalence data on live births, still births, elective terminations (Publication Year 2000 or upwards) OR existing birth defects surveillance system; 1/2 Star = smaller hospital-based prevalence studies on live births, still births, elective terminations (Publication Year 2000 or upwards) OR small regional surveillance / official reporting; X = No published prevalence studies (Publication Year 2000 or upwards)

Mortality: 1 Star = Published population-based or large hospital-based mortality data (Publication Year 2000 or upwards); 1/2 Star = Published smaller hospital-based mortality studies, small regional surveillance / official reporting (Publication Year 2000 or upwards); X = No published mortality studies (Publication Year 2000 or upwards)

### **Access to care:**

1 Star = Minimum of more than 1 neurosurgeon per 1,000,000 population; 1/2 Star = 0.2-1 neurosurgeons per 1,000,000 population; X = 0-0.2 neurosurgeons per 1,000,000 population

### **Quality of life:**

1 Star = Signed AND ratified the UN Convention on the Rights of Persons with Disabilities; 1/2 Star = Signed only the UN Convention on the Rights of Persons with Disabilities; X = Neither signed nor ratified the UN Convention on the Rights of Persons with Disabilities

## **PUSH! Global Report Card: All Recommendations for Each of the Indicators**

The Global Report Cards reflect specific recommendations based on how individual countries scored and different recommendations were given depending on how countries scored in each area. Below is a complete list of the recommendations for each indicator.

Please note: The recommendations provided for each individual country are for information purposes only and are not meant to be definitive or exclusive of other actions. PUSH! recognizes the specific circumstances of each individual country may vary.

### **Recommendations for DATA** (*prevalence & mortality for both conditions and folate studies for spina bifida*)

- **No star:** Create surveillance systems in multiple local and regional hospitals, and publish prevalence and mortality rates (or folate studies) for spina bifida and hydrocephalus
- **Half star:** Enhance surveillance efforts and conduct population- or large hospital-based studies, and publish prevalence and mortality rates (or folate studies) for spina bifida and hydrocephalus at national levels
- **Full star:** Continue surveillance and monitoring of spina bifida and hydrocephalus prevalence and mortality, over time and by population clusters (i.e., high risk groups), or folate studies. Create prevention targets and benchmarks for trends, and report progress

### **Recommendations for PREVENTION HYDROCEPHALUS**

- **No star:** Improve access to peripartum and neonatal care
- **Half star:** Improve access to antenatal care
- **Full star:** Improve management of pre-term labor, including identification of women at risk.

### **Recommendations for PREVENTION SPINA BIFIDA**

- **No star:** Explore opportunities for mandatory fortification policies for staple foods, and implement or enhance supplementation programs in the interim to reach reproductive aged women.

- **Half star:** Undertake coverage and effectiveness studies for existing programs (voluntary fortification / supplementation), and explore opportunities for mandatory fortification policy of staple foods.
- **Full star:** Periodically evaluate coverage and effectiveness in mandatory fortification, and implement required remedial measures to address gaps.

### Recommendations for ACCESS TO CARE

- **No star:** Increase the number of neurosurgeons in country who can provide care to children and adults with spina bifida and hydrocephalus
- **Half star:** Improve global neurosurgical education and practice (e.g., training, residency, traveling fellowships, supportive partnerships, disease-specific development)
- **Full star:** Improve evidence-based treatment and post-surgical community-based support and follow-up, with quality control protocols

#### References:

Warf B. Neurosurgical humanitarian aid. 2009. *J Neurosurg: Pediatrics* 4:1-3

Warf B. Educate one to save a few. Educate a few to save many. 2013. *World Neurosurgery* 79(2S):S15.E15-s15.E18

### Recommendations for QUALITY OF LIFE

- **No star:** Take the first step to recognize the rights of persons with disabilities. Sign and ratify the UN Convention
- **Half star:** Take the next step to ratify the UN Convention and actively implement and enforce programmes and policies supporting the rights of persons with disabilities
- **Full star:** Ensure that programmes and policies supporting the rights of persons with disabilities are implemented and enforced