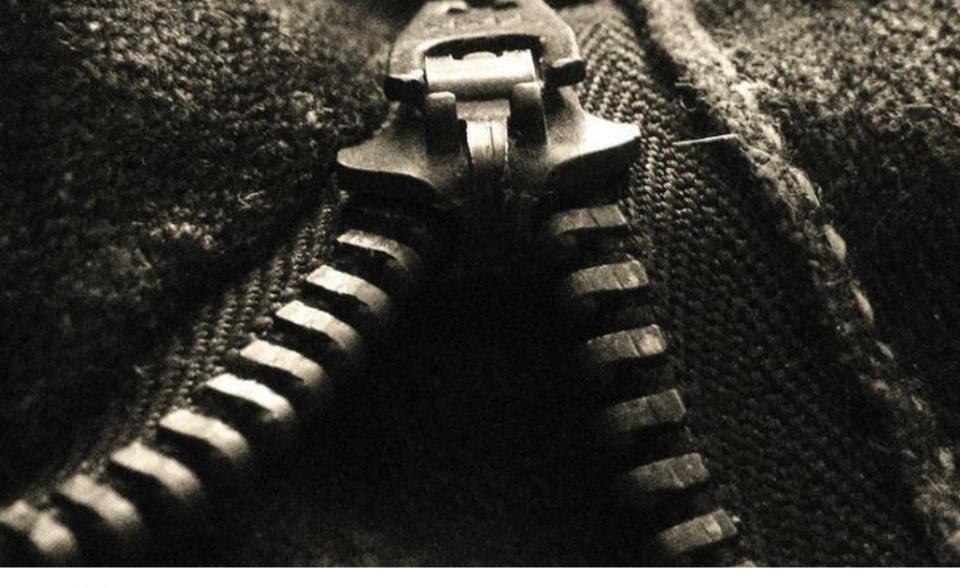


Tackling Rare Diseases Internationally through Bottom-Up Care Strategies

The Case of Spina Bifida and Hydrocephalus.

Lieven Bauwens, Secretary General
International Federation for Spina Bifida and Hydrocephalus
I I November 2016







Spina Bifida (NTDs)





Hydrocephalus





International Federation for Spina Bifida and Hydrocephalus

Areas that we work in

Preconception Prevention

Access to health care

Life-long follow-up

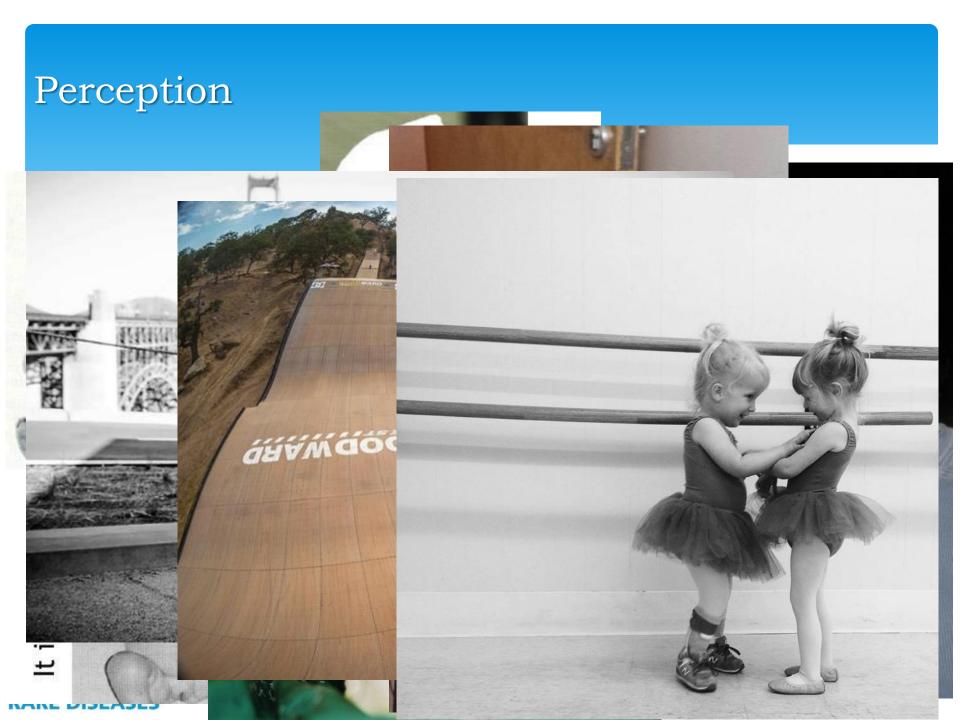
Right to Health

Right to life
Registration at birth

Registry

International Federation for Spina Bifida and Hydrocephalus







Unfortunately RARE DISEASES

Negative Cycle

Loss of hope

RARE DISEASES

No care available – no access to care

Institutionalization
Termination of pregnancy / life
Unmotivated professionals and parents

Negative outcomes

negative image



Positive Cycle

Hope

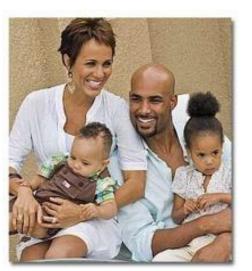
Quality care available – access to care



Motivated parents and professionals

Timely referral / improved outcome

Inclusion in society



Positive outcomes realistic image



PREVENTION

An Advocacy Example



Access to health care

Life-long follow-up

Registration prenatally or at birth

Registry



Prevention

- Prevention of NTDs by taking Folic Acid (to 70%)
- (maybe) higher rate of prevention with other Bvitamins
- Recommendation: daily intake of 0.4 mg of folic acid
 - at least two months prior to the conception and the first months of pregnancy

Parents at extra risk should take daily 4 mg







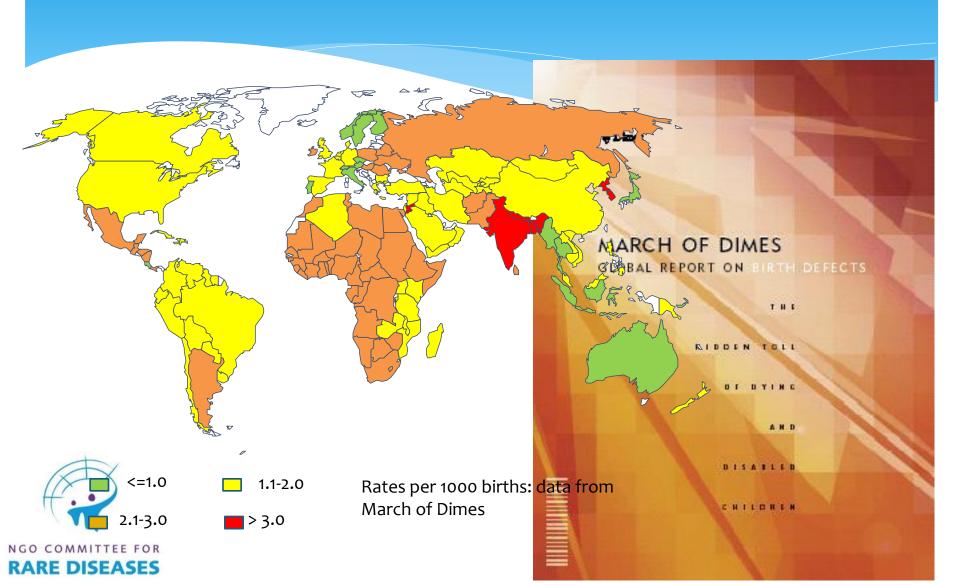
Data

CRPD Art. 18 - Liberty of movement and nationality

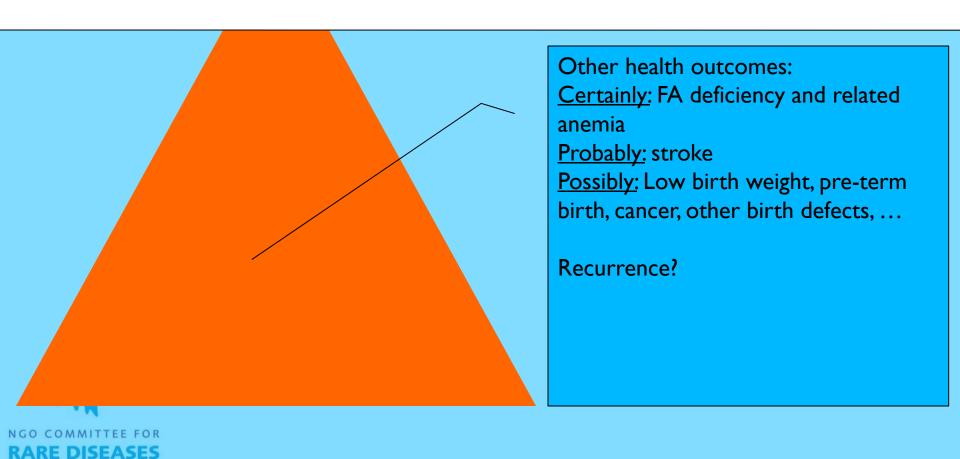
- * 1. States Parties shall recognize the rights of persons with disabilities to liberty of movement, to freedom to choose their residence and to a nationality, on an equal basis with others, including ...
- * 2. Children with disabilities shall be registered immediately after birth and shall have the right from birth to a name, the right to acquire a nationality and, as far as possible, the right to know and be cared for by their parents.



Lack of data



Ignoring NTDs is not prevention



Focus on surveillance



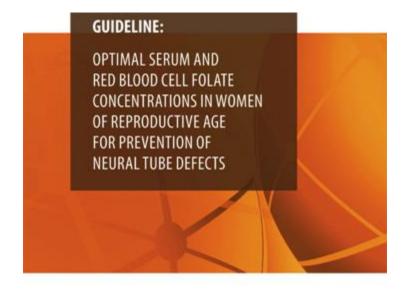
Data drives efforts in prevention

Data drives efforts in care provision













IF Supports Fortification



Consultative status special category with Economic and Social Council of the United Nations

Participatory status, Council of Europe

IF POLICY STATEMENT ON PREVENTION OF NEURAL TUBE DEFECTS AND MANDATORY FOOD FORTIFICATION

Adopted by the IF Annual General Meeting on 28 June 2005 in Minneapolis

IF calls for action to:

- Promote the health benefits of the vitamin folic acid.
- Ratify a policy calling on all countries to fortify staple food with the vitamin folic acid to reduce the incidence of neural tube defects (NTDs).
- Encourage further research into the prevention of neural tube defects (including spina bifida).



Consensus for Fortification



INTERNATIONAL
FEDERATION
for
SPINA BIFIDA
and
HYDROCEPHALUS













Recommendations on Wheat and Maize Flour Fortification Meeting Report: Interim Consensus Statement

PURPOSE

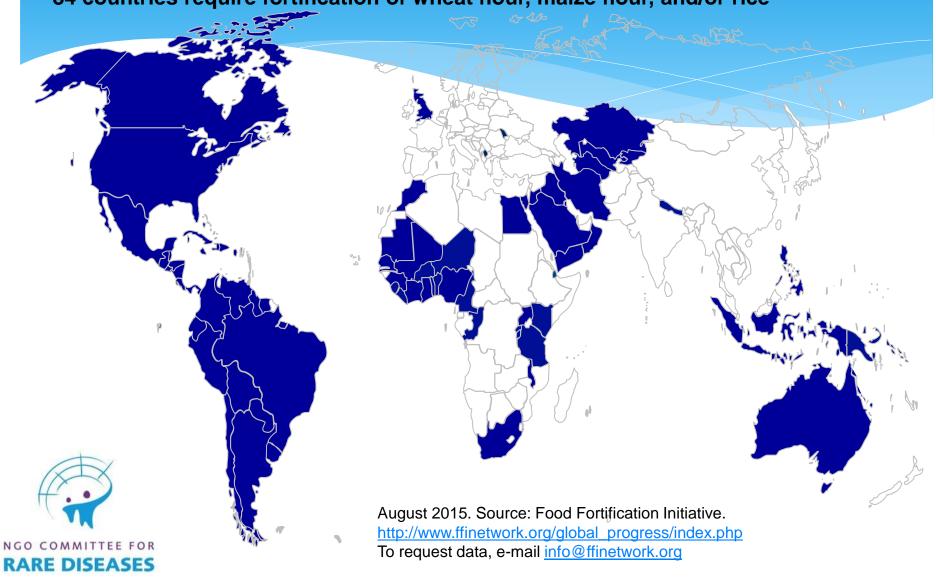
This statement is based on scientific reviews prepared for a Flour Forthication initiative (FFI) technical workshop held in Stone Mountain, GA, USA in 2008 where various organizations actively engaged in the prevention and control of vitamin and interat deficiencies and various other relevant stakeholders met and discussed specific practical recommendations to guide flour forthication efforts beloot implemented in various countries by the public, private and cylic.

THE FFI SECOND TECHNICAL WORKSHOP ON WHEAT FLOUR FORTIFICATION

Nearly 100 leading nutrition, pharmaceutical and cereal scientists and miliing experis from the public and private sectors from around the world met on March 30 to April 3, 2008 in Stone Mountain, GA, USA to provide advice for countries considering national wheat and/or make from fortification. This Second Technical Workshop on Without Flour Fortification: Psychial Recommendo-

Grain Fortification Legislation

84 countries require fortification of wheat flour, maize flour, and/or rice



5 CONDITIONS TO DESTROY THROUGH FOOD FORTIFICATION

SPINA BIFIDA

1,500 babies

in the US are born with spina bifida, a birth defect causing paralysis or brain damage.

Spina bifida can be prevented by boosting **folic acid** intake before and during pregnancy.

More governments in countries across the globe are making folic acid flour fortification mandatory.



ANAEMIA

Anaemia, a condition where the number of red blood cells in the body is too low, is a major cause of maternal death.

Iron, vitamin B12 and folio acid fight anaemia and its symptoms like exhaustion.

> Fortifying everyday foods (e.g. bread in Egypt) provides



up to 40% of women's daily iron needs.

RICKETS

Not enough vitamin D and calcium weakers bones in bables and children - a condition called rickets.



GOITER

Enlarged thyroid gland due to low **iodine** in the diet, lodine deficiency early in life can cause brain damage in young children.

Adding lodine to **saft** can fight goiter and other lodine deficiencies. The World Bank reports that global saft lodization would cost just

US\$0.05 per child



NIGHT BLINDNESS

An estimated 250,000-500,000 vitamin A deficient children become blind every year, half dying within 12 months of losing their sight.

Large scale fortification programs add vitamin A to vegetable oil, maize and wheat flour.



Read more at www.gainhealth.org





Right to Care

Advocacy example 2:



Access to health care

Life-long follow-up

Registration prenatally or at birth

Registry



Life long care

Survival

- Life-saving surgeries
- Shunts
 - Counseling to new parents

LIC

Early years

- Early intervention and (re-)habilitation
- First mobility equipment
- Accessible childcare

School years

- Inclusive education and teaching assistance
- Accessibility of schools and other activities
- Interaction with peers

Transition

- New health needs
- Beginning of independent life
- Gaining life skills

Adulthood

- Work and social support
- Family life
- Sexual and reproductive health

Ageing

- Prolonging independent life
- Age-related health care needs
- Dignified retirement

MIC

HIC

Barriers to treatment

Lack of neurosurgical manpower / available care

- Poverty
- Corruption
- Lack of information / training
- Negative stereotypes on SB (referrals)
- Lack / cost of transport
- Poor infrastructure
- Regions of insecurity



Resulting in extremely high mortality or secondary disabilities



On the ground, access to health





EQUIPPING, ENABLING AND EMPOWERING

Priority Assistive Products List



Thank you!

Lieven Bauwens @ifglobal.org



