

# Nutrition Surveillance Work Group

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# Preamble

- Reliable data from all 6 countries
- Solid infrastructure of laboratories
- Trained personnel
- Collaborative leadership within and between countries

# Proposed food vehicles

	China	India	Indone- sia	Pakistan	Thailand	Viet Nam
Flour	X	X	X	X	X	X
Edible Oil	X		X	X	X	X
Salt	X	X	X	X	X	X
Other	Soy sauce Infant foods	Complement -ary foods Supplement- ary foods	Complement -ary foods	Ghee	Instant noodle Fish sauce Complement -ary foods	Instant noodle Infant foods Fish sauce

# Which Micronutrients?

- Magnitude of the deficiency
- Widespread nature of the deficiency
- Significant public health problem
- Significant socioeconomic consequences, effect on national development
- Availability of cost effective interventions

# Potential target groups and indicators

	Potential Groups to Assess	Indicators of deficiency
Iron	Women of childbearing age Preschool Adolescents girls	Hemoglobin Indicators of iron
Vitamin A	Preschool children (Pregnant/lactating?)	Serum retinol (Breast milk retinol?)
Iodine	6-12 year old children Women of childbearing age	Urinary iodine Goiter
Folic acid	Women of childbearing age	Serum or RBC folate (homocysteine ?)

# Cross-sectional surveys

- Representative
- Use standard survey methods
- Sufficient sample size to measure impact
- Common Questionnaire and Tables for use at the regional level

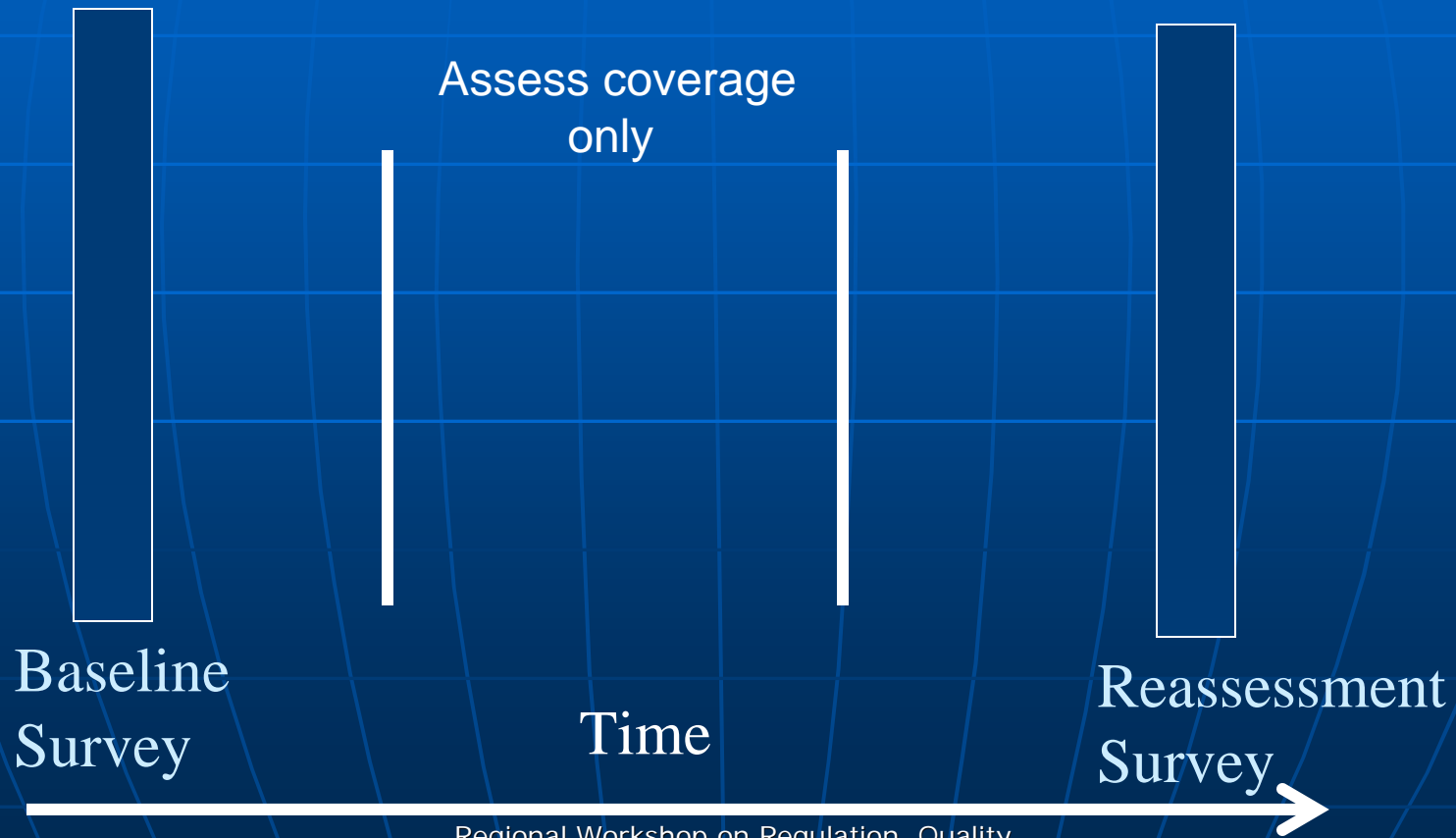
# Timing of cross-sectional surveys

- Baseline survey (if needed)
  - Biologic indicators
- Intermediate surveys to assess use of fortified foods in the household (coverage)
- Impact evaluation - Reassess biologic indicators when coverage meets accepted goals

# Cross-sectional surveys

Biologic Indicators

Biologic and Coverage Indicators



# Other possible data sources

- Routine collection of micronutrient data (sentinel approaches or use of routinely collected surveillance data)
- Potential for birth defects registry to assess impact of folic acid fortification on neural tube defects (NTD)
- Maternal and under 5 mortality data

# Critical Asian Investments

- Regional reference laboratory
- Country laboratories
- Training for lab technicians, inspectors, field workers, for example urinary iodine analysis and salt titration
- Bulk purchasing of lab kits
- Design framework and surveillance guidelines
- Funds for continuity (as opposed to “start up”)