Integrated Surveillance System for Nutrition Interventions in Nicaragua (SIVIN)

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Maria Elena Jefferds, PhD
International Micronutrient Malnutrition Prevention and Control Program (IMMPaCt)
In the beginning

- National nutrition program monitoring
  - Not timely
  - Content
  - Not making informed decisions regularly

- Available data suggested good coverage
  - Impact data collection warranted
National Micronutrient Surveys

- 1993 and 2000
- $300,000 in 2000
- Large staff
- Multiple years to plan, implement, finalize
- High lab burden
- Process data collected, not timely
SIVIN Vision Established 2001

- Inter-agency mission late 2001

- MOH, USAID, INCAP, MI, CDC, UNICEF

- Overall vision
  - 2001 System designed
  - 2002 Pilot
  - 2003 Implementation started
SIVIN

- Centralized, modular, integrated management information system
- Collects and integrates process and biological impact data
- Four National Nutrition Interventions
  - Micronutrient supplementation
  - Micronutrient food fortification
  - Breastfeeding
  - Child growth monitoring
SIVIN: Monitoring Systems

• Integrates monitoring at multiple levels
  - Factory
  - Retail
  - Health facility
  - Household

• Integrated existing monitoring systems
  • Strengthened when necessary

• Created new household data collection system

• Reduce cost and burden of monitoring
Household Data Collection

- Annually representative process & impact data

- Continuous population based cross-sectional household survey collected throughout the year

- Continuous collection schedule
  - 1 week every month
  - Complete sample collected after 12 months
SIVIN

Health Facility & Service Statistics

Internal Program Monitoring

National Household Survey

Integrated data base, analysis, reports, decisions and actions
Thank you

The findings and conclusions in this presentation are those of the authors and do not necessarily represent the official position of the U.S. Centers for Disease Control and Prevention.