Food Balance Sheets

FBS component: additional parameters
Learning objectives

At the end of this session, the participants will know:

• What additional parameters are

• What’s the rationale behind the best option among different sources

• What FAO recommendations are

• International recognized standards
Outline

FBS component - additional parameters:

1. Population Estimates
2. Nutrient Estimates
3. Extraction Rates
4. Processing shares
FBS component - additional parameters:

1. Population Estimates

Two options for country FBS compilers:

i. *Domestically produced population estimates*

i. *Internationally-standardized population estimates from UNPD (FAO recommended option)*
FBS component - additional parameters:
1. Population Estimates

Why UNPD is the best option?

✓ Internationally recognized methodology

✓ Easier comparison between countries

✓ UNSD estimates are used for many development initiatives (E.g. SDGs)

✓ Publicly available dataset https://esa.un.org/unpd/wpp/
FBS component - additional parameters:

2. Nutrient Estimates

Energy expressed in Kcal - Protein expressed in grams - Fat expressed in grams

*There are many sources on nutrient content, but two international sources should be noted:*


FAO recommendations: *national estimates should always be the first option*
FBS component - additional parameters: 3. Extraction rates

• Definition of extraction rate (ER)
• An ER may vary by country according to the technology used
• ERs may increase over time but it is advisable to hold them fixed

Reasons for holding the ERs fixed:
• Only in few rare instances it’s possible to calculate the ER endogenously
• Tendency of underestimating the ER
• Helps the standardization process
FBS component - additional parameters:

3. Extraction rates

FAO Recommendations:

1. FBS compilers should ask directly to domestic processors for a periodic review

2. Last resort: FAO handbook on technical conversion
FBS component - additional parameters: 4. Processing shares

• Processing shares are extremely dependent upon the structure of each country’s supply chains

• As such, there are no international sources that can be consulted

• Recommendations:
  I. FBS compilers should consult any available value chain analysis
  II. Industry experts may also be consulted to provide insight into the supply chain that would assist in estimating shares
Thank You