



Food Balance Sheets (FBS)

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:

1. INFOODS <http://www.fao.org/infoods/infoods/en/>
2. FAO ESS conversion table
http://www.fao.org/fileadmin/templates/ess/ess_test_folder/Food_security/Excel_sheets/Nutritive_Factors.xls

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
<http://www.fao.org/fileadmin/templates/ess/documents/methodology/tcf.pdf>

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*

References

- *Guidelines for the compilation of Food Balance Sheets* (FAO, 2017), chapter 3.5, section 3.5.12 (Global Strategy & FBS Team)
- *The FAO source book for the compilation of Food Balance Sheets* (FAO, 2016) (Global Strategy & FBS Team)



THANK YOU!

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