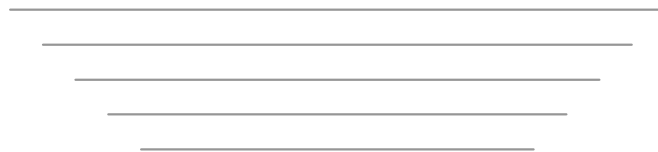


## Gaps in food composition data: Issues related to data compilation and use

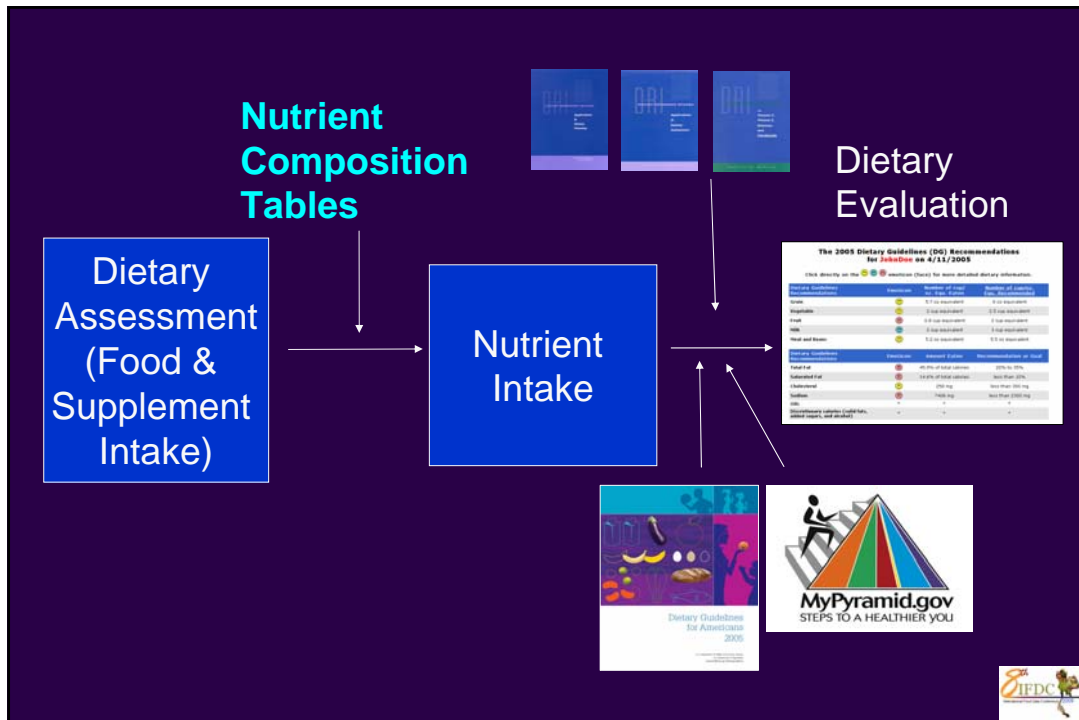
Suzanne Murphy  
Cancer Research Center of Hawaii



## Who are our users?

- Dietitians
- Epidemiologists
- Public health nutritionists
- Food industry
- Many others






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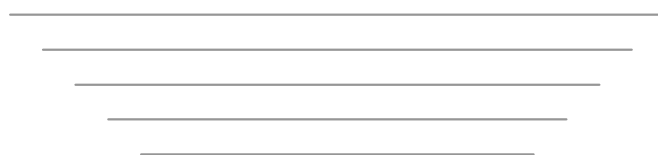
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## What do our users expect?

- Accurate composition values
- Complete data

## What do our users expect?

- Accurate composition values – Dr. Greenfield
- Complete data – Dr. Murphy



## Broad areas that need more attention – Compilation of complete data

- Combining data from multiple sources is usually needed



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But there are many gaps in our ability to do this accurately!



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- Combining data from multiple sources is usually needed

### Solutions might include:

Better standardization of data formats (eg, use of tag names)

Better documentation of ALL assumptions, etc.

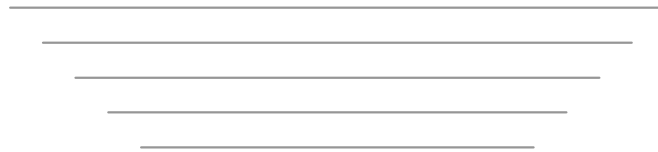


## Broad areas that need more attention – Compilation of complete data

- Combining data from multiple sources is usually needed

### Solutions might include:

And more training on how to make appropriate decisions



## Broad areas that need more attention – Compilation of complete data

- Combining data from multiple sources
- **Imputing missing values is usually needed**

But there are also many gaps in our ability to do this accurately!



## Broad areas that need more attention – Compilation of complete data

- Combining data from multiple sources
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But there are also many gaps in our ability to do this accurately!

**Ongoing discussion about whether it even should be done.**



## Broad areas that need more attention – Compilation of complete data

- Combining data from multiple sources
- **Imputing missing values is usually needed**

**Solutions might include:**

Better guidelines on best practices when imputing values

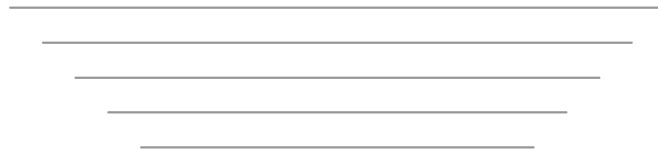


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**Many** gaps in our ability to do this accurately.

## Broad areas that need more attention – Compilation of complete data

- Combining data from multiple sources
- Imputing missing values
- **Compiling dietary supplement databases**

**Many** gaps in our ability to do this accurately.  
Data are lacking as well as guidelines on  
compiling the data that do exist.



## Broad areas that need more attention – Compilation of complete data

- Combining data from multiple sources
- Imputing missing values
- **Compiling dietary supplement databases**

**Solutions might include:**

Development of guidelines on compilation  
Data sharing across countries (because  
many formulations are common globally)



## Other broad areas that need more attention

- Recipes: calculated vs. analyzed
- Retention factors
- Applications related to nutrition labeling
- Assigning foods to food groups

