## Considerations in Nutrition -Evaluations

- 1. CSFII (Continuing Survey of Food Intakes by Individuals)
- 2. HEI (Healthy Eating Index)
- 3. Healthy People 2020
- 4. Nutrient Density
- 5. INQ
- 6. Food Labels
- 7. NuVal http://www.nuval.com
- 8. Meal Plan Assignment

BROAD PICTURE: Goal of nutrition and people in our field? Health and well-being. What would you say about how we, as a nation, are doing? How do we know?























13



- Establish national health objectives.
- Provide data and tools to enable states, cities, communities, and individuals across the country to combine their efforts to achieve the health objectives.

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Person and Food	Kcal needs/ day	Nutrient needs/ day	calories/ serving	g nutrient/ serving	INQ (2 points ea.)	Good source? (Yes or No
30 year old man 1 cup beans	2400	38 g fiber	1 cup beans = 215 cal	13.6 g/1 cup		
88 year old woman 1 cup beans	1600	8 mg iron	1 cup beans = 215 cal	3 mg/ 1 cup		
21 year old woman 1 cup beans	2000	18 mg iron	1 cup beans = 215 cal	3 mg/ 1 cup		
21 year old woman, pregnant 1 cup beans	2250	27 mg iron	1 cup beans = 215 cal	3 mg/ 1 cup		

Person and Food	Kcal needs/ day	Nutrient needs/ day	calories/ serving	g nutrient/ serving	INQ	Good source? (Yes or No
30 year old man I cup beans	2400	38 g fiber	1 cup beans = 215 cal	13.6 g/1 cup	Fiber: (13.6/38) *100 = 35.8% Calories: (215/2400) *100 = 8.95% INQ : 35.8% / 8.95% = 4: >1	Y
88 year old woman 1 cup beans	1600	8 mg iron	1 cup beans = 215 cal	3 mg/ 1 cup	Iron: (3/8) *100 = 37.5% Calories: (215/1600) *100 = 13.43 INQ : 37.5% (13.43% = 2.79; >1	Y
21 year old woman 1 cup beans	2000	18 mg iron	1 cup beans = 215 cal	3 mg/ 1 cup	(3/18)*100 = 16.6% Calories: (215/1600)*100 = 10.75% INQ : 16.6% / 10.75% = 1.54; >1	Y
21 year old woman, pregnant 1 cup beans	2250	27 mg iron	1 cup beans = 215 cal	3 mg/ 1 cup	Iron: (3/27) *100 = 11.1% Calories: (215/2250) *100 = 9.5%	Y

Person and Food	Kcal needs/ day	Nutrient needs/ day	calories/ serving	g nutrient/ serving	INQ (2 points ea.)	Good source? (Yes or No
35-year old woman 3.5 oz chicken breast, cooked	1800	400 mcg folate	3 oz chicken = 165 cal	4 mcg/ 3 oz		
21 year old woman 1 cup Cheerios	2000	400 mcg folate	1 cup Cheerios = 103 cal	268 mcg/1cup		
55 year old man 1 medium banana	2000	15 mg vitamin E	1 med. banana = 105 cal	0.12 mg/banana		
5 year old boy ½eup spinach	1400	800 mg calcium	1∕€ spinach = 32 cal	145 mg/ ½up		

Person and Food	Kcal needs/ day	Nutrient needs/ day	calories/ serving	g nutrient/ serving	INQ	Good source? (Yes or No
35-year old woman 3.5 oz chicken breast, cooked	1800	400 mcg folate	3 oz chicken = 165 cal	4 mcg/ 3 oz	Folate: (4/400) *100 = 1% Calories: (165/1800) *100 = 9.1% INQ : 1%/ 9.1% = 0.1; <1	N
21 year old woman 1 cup Cheerios	2000	400 mcg folate	1 cup Cheerios = 103 cal	268 mcg/lcup	Folate: (268/400) *100 = 67% Calories: (103/2000) *100 = 5.15% INQ : 67% / 515% = 13 > 1	Y
55 year old man 1 medium banana	2000	15 mg vitamin E	1 med. banana = 105 cal	0.12 mg/banana	Vitamin E: (0.12/15) *100 = 0.8% Calories: (105/2000) *100 = 5.25% INQ : 0.8% / 5.25% = 0.15; <1	N
5 year old boy ½ up spinach	1400	800 mg calcium	½ spinach = 32 cal	145 mg/ ½up	Calcium: (145/800) *100 = 18.13% Calories: (32/1400) *100 = 2.29% INQ : 18.13% (2.29% = 7.9; >1	Y







## How can we use food labels?

- · Look at serving size
- · Help to plan nutritious family meals
- Get more nutrition for \$
- Select foods for special diets (low Na)
- Count calories
- · Compare new foods with familiar ones

27

## Can we *directly* tell nutrient density from a food label?

- NO...
- Need to do calculations, as discussed earlier
- Can *compare* similar products for nutritional content, calories, etc.
  - Only if serving sizes are the same
- So understanding nutrient density is important!

28