Chapter 2

Routine Diets

General Diet (Regular Diet): No Modifications Needed

- ☐ Considerations in regular diet planning:
 - Variety.
 - Color.
 - Pleasing texture, and flavor.

Follow dietary guidelines & my plate.

General Diet Daily Recommended Amounts

Food group	Amount/day
Milk	2 - 3 c/day
Starches (Grains)	3 - 10 oz./day
Vegetables	1 - 4 c/day
Fruits	1 - 2.5 c/day
Meats and Beans	2 - 7 oz./day=
Oils/Fats	3 - 11 tsp Use sparingly; make most of your choices from oils and nuts rather than animal fats
Fluids	6 - 8 c/day Water and other fluids such as tea, coffee, soups, lemonade, etc.
Sweets and Desserts STUDENTS-HUB.com	Use sparingly They are considered extras (discretionary calories) 3 Uploaded By: anonymous

Dietary planning for Pregnant and Lactating Women

- Some increase in amounts of protein, vitamins and minerals.
- Special attention to Fe++, Folate, Zn, Ca++, and
- Consume 600 mcg/day of synthetic folate (fortified foods or supplements) in addition to dietary folate (According to the general dietary guidelines).

- Protein requirement
 - Pregnancy: 1.1 g/kg/day,
 - Lactation: 1.2 g/kg/day (first 6 months),
 - 1.1 g/kg/day (second 6 months).

Diet Principles during Pregnancy

- Weight gain during pregnancy:
 - 11-16 kg for normal weight women.
 - 13-18 kg for under-weight women.
 - 7-11 kg for over-weight women.
 - 5-9 kg for obese women.
 - 11-25 for twins pregnancy.
- ☐ Consume less than < 2 c caffeine containing drinks even though the harmful effects of caffeine are not fully understood.
- ☐ Avoid alcohol (abstain).

Diet Principles during Pregnancy

- ☐ Morning sickness or indigestion:
 - Take liquids between meals.
 - Consume dry meals.
 - Consume smaller more frequent meals.
 - Eat toast, crackers, dry cereals.
 - Avoid spicy foods.
 - Avoid high fat foods.
- If there is nausea: eat whatever is appetizing.

Recommended Daily Amounts

Food Group	Pregnancy	Lactation 3 c/day	
Milk (dairy products)	3 c/day		
Grains	6 – 8 (oz.)/	6 – 10 (oz.)/day	
Vegetable	2.5 - 3 c/day	2.5 - 3.5 c/day	
Fruits	1.5 - 2 c/day	1.5 - 2.5 c/day	
Protein Foods	5 - 7 oz./day	5.5 – 7 oz./day	
Oils/Fats	5 - 7 tsp/day	5 – 8 tsp/day	
Fluids	8 - 10 c/day or more	10 - 12 c/day or more	
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Recommendations for vegetable subgroups/week

Vegetable subgroup	Pregnancy	Lactation
Dark green: (leafy or non-leafy)	3 c/week	3 c/week
Deep yellow/orange	2 c/week	2 - 2.5 c/week
Legumes	3 c/week	3 - 3.5 c/week
Starchy vegetables	3 - 6 c /week	3 - 7 c/week
(Potatoes, corn, peas		
Others	6.5 - 7c/week	6.5 - 8.5 c/week

Infant Feeding 0-1 year old

☐ IF no modification is needed, then recommendations are:

- Breast feeding is optimal:
 - Exclusively breast feed for the first 6 month.
- Iron fortified baby formula (if not breast fed).
- All infants feed when hungry.

Infant Feeding Hunger Cues

- Rooting (searching: such as turning head to find the nipple).Mouth opening.
- ☐ Lip licking.
- ☐ Placing hands on mouth.
- ☐ Motor activity.
- Breast fed infants eat more often because breast milk is more easily digested than formula milk.

Infant Feeding

☐ Fluoride supplements:

Not recommended before 6 months.

- 6 months -3 years:
 - Only if drinking water has less than < 0.3 ppm (0.3 mg fluoride /liter of water).

Breast Feeding

- Early weeks:
 - 8-12 feedings/24 hours.
 - (10-15 minutes per breast).
- American Academy of Pediatrics recommends:
 - 200 IU (5 mcg) of oral vitamin D drops daily especially if baby's and/or mother's exposure to sunlight is deficient.
 - Starting in the 1st 2 months until vitamin D fortified milk consumption reaches 500 ml/day.

Bottle Fed Babies

- Give iron fortified baby formulas.
- No Fluoride supplementation is needed if formula is prepared with fluoridated water.
 - Bottled water is not a good source of fluoride.
 - Tap water is better in that sense.
- Do not heat formula in the microwave because of uneven heating which might cause burns.

After 4-6 months

- Continue breast feeding, or give iron fortified baby formula up to 1 year.
- ❖ Cows milk or goats milk or any other milk should not be given before 12 months.

- Introduce solid foods
 - Possible
 - Between 4-6 months or when infant's weight is doubled.
- ☐ Signs of readiness for eating solid foods:
 - Sitting alone or with minimal support.
 - Reaching to grasp spoon.
 - Moving food from front of the mouth to the back to swallow.

- Start with single grain cereals fortified with iron.
- Order of other foods is not important.
- Introduce 1 single new ingredient or food at a time to help detect food intolerances or allergies.
- Give new food for several days before starting another.
- No salt or sugar should be added to solid foods.

- Give fresh food items, if not available, give frozen.
- Canned foods are usually heavy in salt and/or sugar.
- Proceed from pureed or mashed then to soft chunks.
- After 12 months: solid foods are the primary source of nourishment for the baby even if he/she is still nursing (breast or bottle).
- To protect baby's teeth, there should be no frequent STUDENTS-PURSing, nurse only in place of snack.

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- Give small frequent feedings.
- Let baby decide when he is full.

- ☐ Cues for satiety:
 - Refuses to open mouth.
 - Turns head away to refuse food.
 - Spits.

☐ Safety concerns:

 Honey: not before 2 years because of fear of botulism infection.

 Water in pipes for more than 6 hours can contain lead.

 Peanuts, olives, carrot slices can block air passage.

Feeding Children 1-8 years old

- ☐ Food should be nourishing and pleasing:
 - Varied.
 - Colorful.
 - Flavorful.
- Meal time should be enjoyable:
 - Children pass through phases of likes and dislikes.
- Give small portions, let them ask for more if they want to.
- Avoid nagging, forcing, and bribing because these behaviors might exacerbate the problem.

Feeding Children 1-8 years old

- Include nutritious snacks because child's stomach is still small, and meals might not give enough nourishment.
- Do not limit fats and cholesterol for up to 2 years.
- Decrease fats and cholesterol for the 2-5 year olds.
- ☐ According to Dietary Guidelines, fat should provide:
 - 30-40% of total Kcal of children 2-3 years old.
 - 25-35% of total Kcal 4-18 year old children.

Feeding Children 1-8 years old

- During sickness, food intake decreases (loss of appetite).
- Excessive amounts of milk decrease consumption of other foods.
- ☐ Meat should be tender: bite size, ground.
- ☐ Give crisp finger foods: they like that.
- ☐ They do not like highly spiced foods.

Feeding Children 1-8 years old

- Weight management:
 - Dieting is not recommended for such young children because it can be harmful for them:
 - Physically and psychologically.
 - Encourage physical activity instead.

Feeding Children 1-8 years old

☐ Safety concerns:

- Choking:
 - Try to remove seeds, skins, and small bones.
 - Do not give risky foods before 4 years old.
 - Ask child to sit down while eating to avoid choking.
 - Supervise while eating.

Feeding Children 1-8 years old

- ☐ Serving size for children
 - Should be small:
 - Around 1/2 the serving size for adults.
 - ✓ e.g. 1/2c milk per meal instead of 1 c or 1 oz. of meat instead of 2 or 3 given to adults and so on.

Daily Recommended Amounts Children 1-8 years

Food group	1 year old	2-3 years old	4-8 years old
Vegetables (all types)	~ ½ C	³⁄4 C	1 c (Females) 1.5 c (Males)
Fruits	1 c	1 c	1.5 c
Grains	2 oz.	3 oz.	4 oz F 5 oz M
Dairy products	2 c	2 c	2 c
Protein foods: meats and beans	1.5 oz.	2 oz.	3 oz F 4 oz M
Oils/fats Use sparingly; Make most of your choices from oils and nuts rather than animal fats	3-4 tsp/day	3-4 tsp/day	3-4 tsp/day
Fluids: Water and other fluids such as fruit juices, soups, lemonade, etc.	5.5 - 7 c/day	5.5 - 7 c/day	5.5 - 7 c/day
Sweets and Desserts TUDENTS-HUB.com	use sparingly	use sparingly Uploade	use sparingly ad By: anonymous

Diet for the Elderly

- ☐ Definition of Elderly:
 - Most developed world countries have accepted the chronological age of 65 years as a definition of 'elderly' or older person.

- While this definition is somewhat arbitrary, it is many times associated with the age at which one can begin to receive pension benefits.
- At the moment, there is no United Nations standard numerical criterion, but the UN agreed cutoff is 60+ years to refer to the older population.

Diet for the Elderly

- Use the general diet as much as possible.
- If modification is necessary, the least restrictive is more acceptable because minor changes may meet the needs.
- Drug therapy with minor food restrictions might be better accepted.
- Weight management with mild changes like 1% milk and its products, limiting cheeses, reducing portion size of desserts etc.
- Use individualized diets, recommend variety from all food groups.
- Respect ethnic or cultural influences, take them into consideration. 28 STUDENTS-HUB.com
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- ☐ Energy needs for healthy elderly decreases because:
 - Lean body mass decreases.
 - BMR decreases.
- During infection or stress energy needs may increase.

Encourage physical activity whenever possible.

- Protein
 - Should be 0.8 g/kg of body weight, just like adults;
 - Some research suggest it should be higher like 1-1.25 g/kg
- Fat
 - Intake should not be more than 25-35% of total calorie intake.
- ☐ CHO
 - Intake should be 45-65% of total calorie intake.
- Complex CHOs are recommended, enriched grains and 100% whole wheat or other whole grains.

- ☐ Ca++ intake : DRI
 - Males:
 - 51-70 is 1000 mg/day.
 - 70 and older 1200mg/day.
 - Females:
 - 51 and over should be 1200 mg/day.
- Vitamin D: DRI
 - Adults and up to 70 years old 15 mcg/day.
 - Above 70 years 20 mcg/day.
- Elderly maybe less tolerant to milk, so fermented milk products and dessert puddings may be more tolerated.

- ☐ Folate:
 - 400 mcg just like adults.
- **→** B6
 - Adults = 1.3 mg.
 - ≥51 years =
 - Males 1.7 mg.
 - Females 1.5 mg.
- **→** B12
 - (2.4 mcg like adults)
 - Should be ensured through either fortified foods or supplements because:
 - Food intake maybe less.
 - Age-related increase in food bound malabsorption.

☐ Encourage intake of iron rich foods with vitamin C foods.

- ☐ Fluid intake should be encouraged if there is no medical restrictions:
 - Fluid intake should be:
 - 30 ml/kg/day.
 - Minimum of 1500 ml/day or at least 6 c/day.

Elderly might have some problems such as:

- ☐ Chewing or swallowing difficulties may need:
 - Adjustments in food consistency.
 - Meats: chopped, ground or pureed.
 - Adding gravy or sauces increases food moisture and this may help in swallowing.

Elderly might have some problems such as:

- ☐ Taste impairment is common among the elderly:
 - Steamed, sautéed or stir fried foods enhance the flavors.
- ☐ Dry mouth:
 - Sweet and tart foods may stimulate saliva production.
- ☐ Difficulty holding the fork and knife:
 - May need more finger foods to give them more independence.

Elderly might have some problems such as:

- ☐ Decreased Appetite:
 - Serve food at regular meal time (just like everybody else) to improve food intake.
 - Pleasant environment may stimulate the appetite especially for those living in long term care facilities.
 - Give a bedtime snack.
 - Length of time between dinner and breakfast should not exceed 14 hours.

End of Chapter