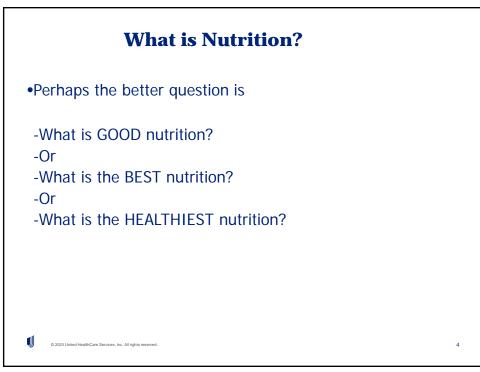
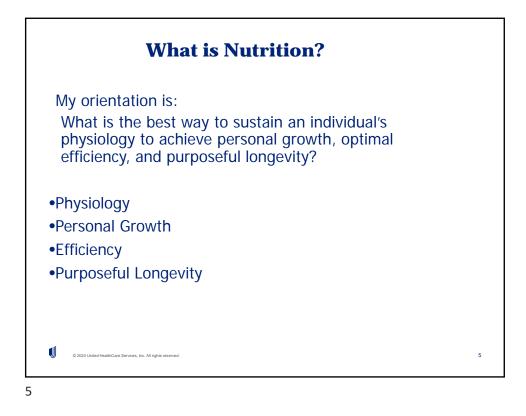
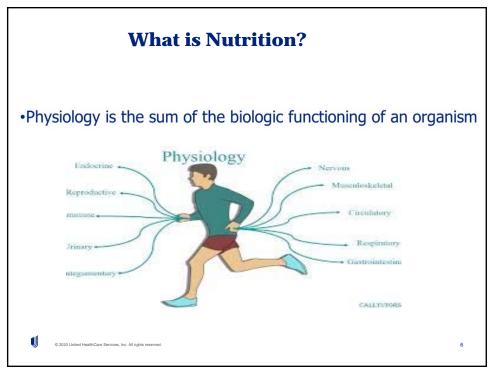
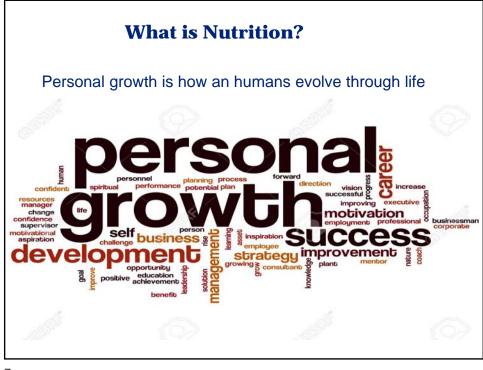


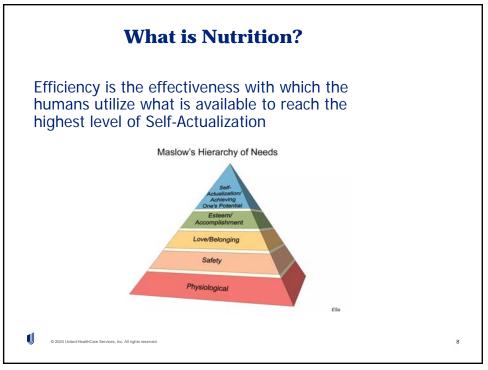
What is Nutrition?	
•Formal definition from Merriam Webster:	
-the act or process of nourishing or being nourished	
 <i>specifically</i>: the sum of the processes by which an animal or plant takes in and utilizes food substances 	
 Seems to imply that ingestion of digestible stuff is nutrition 	
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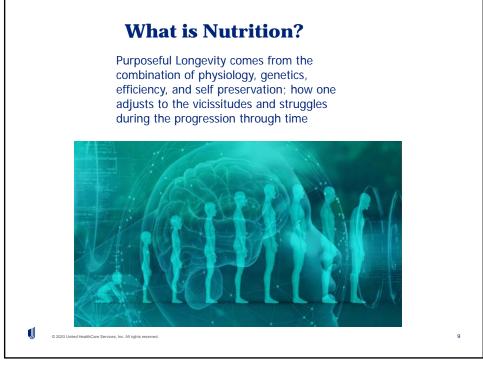




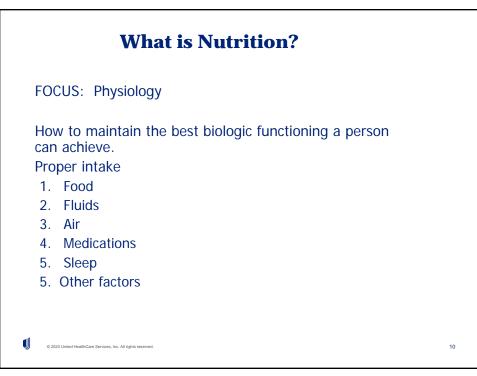




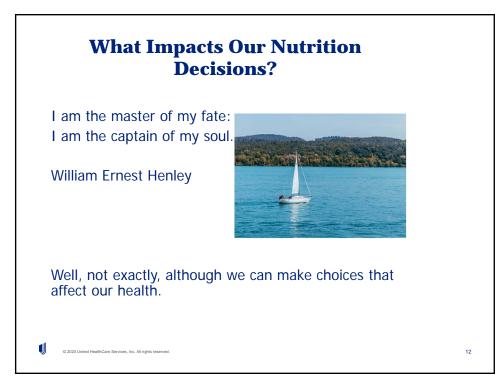


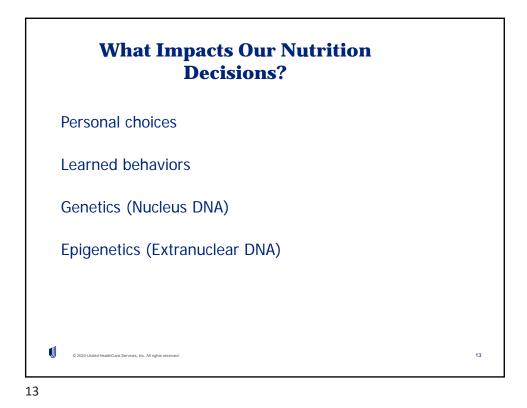


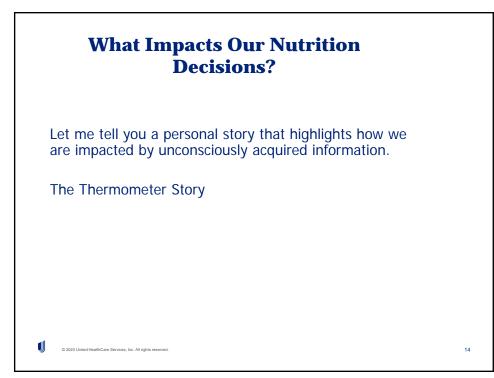


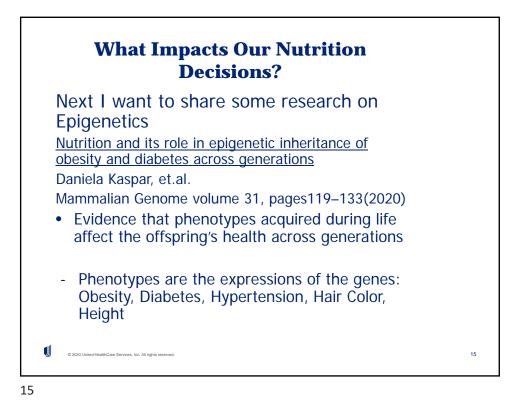


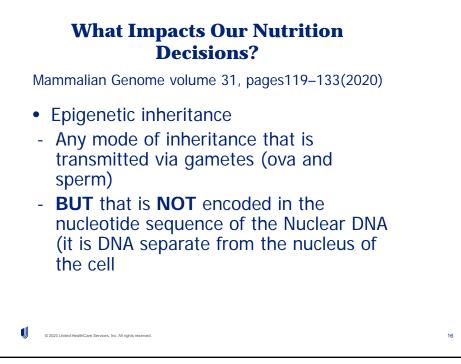
What is Nutrition?	
FOCUS: Physiology	
How to maintain the best biologic functioning an individual can achieve. Proper intake:	
What would you add to the list?	
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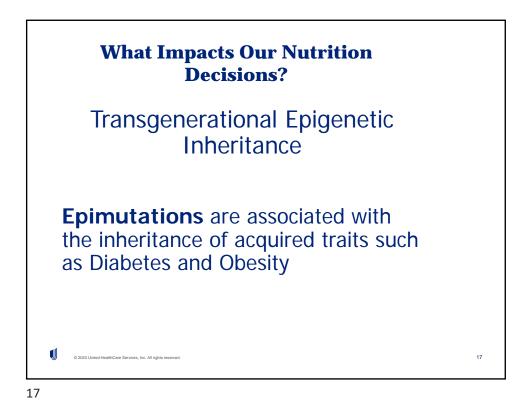


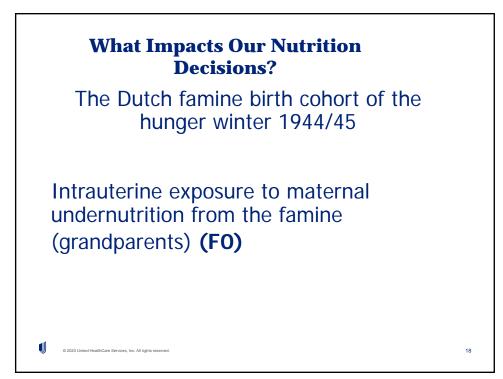


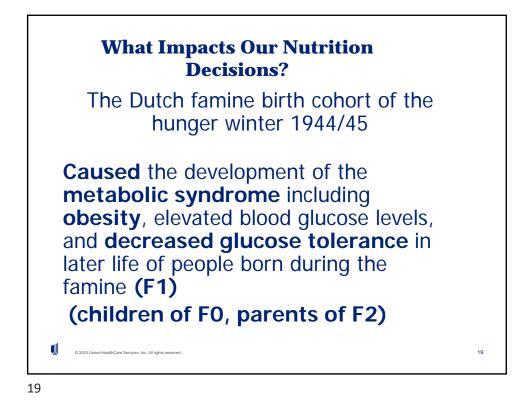




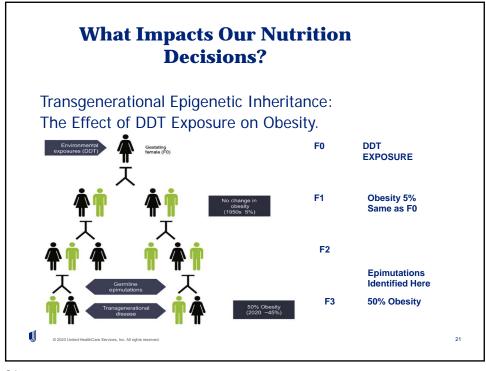


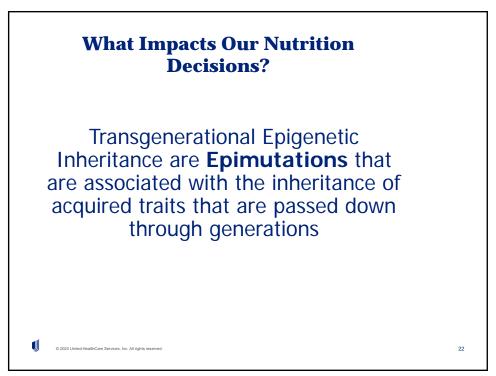


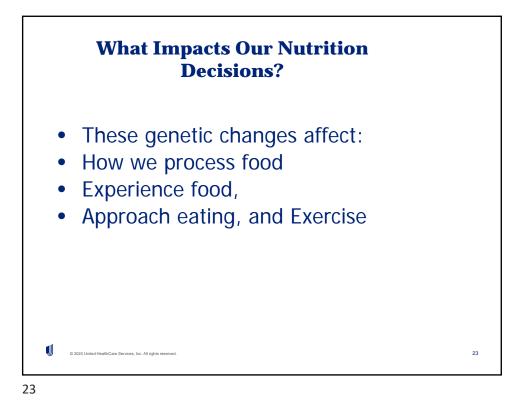


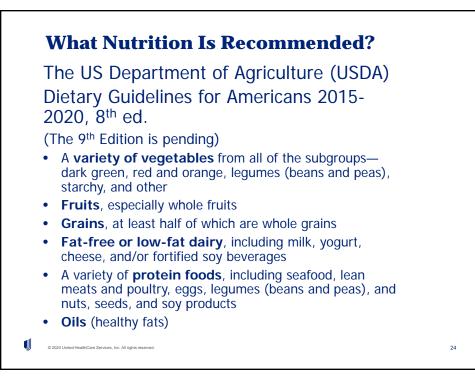


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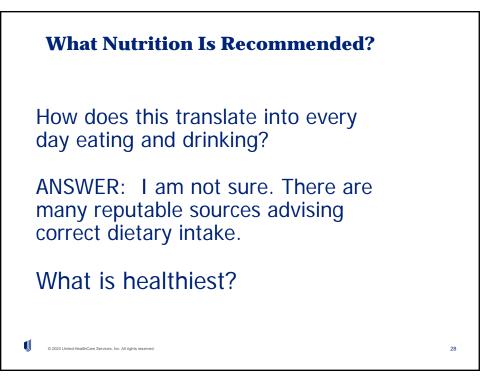


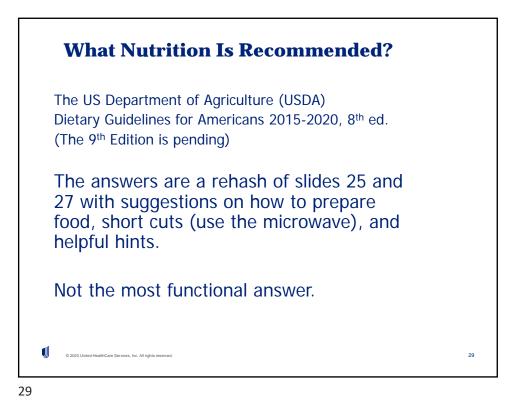


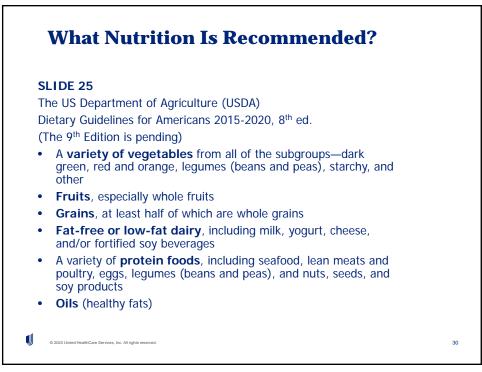




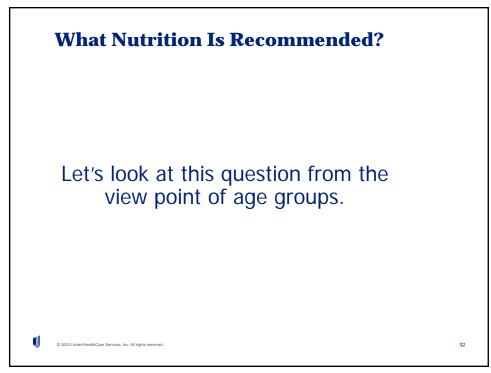




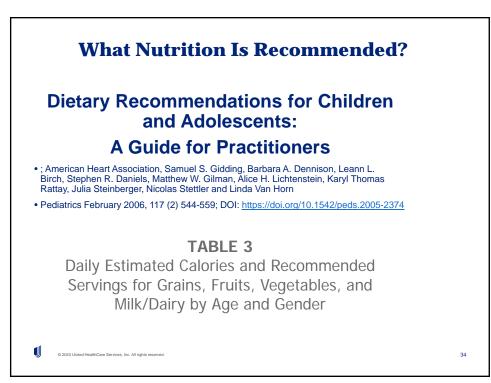


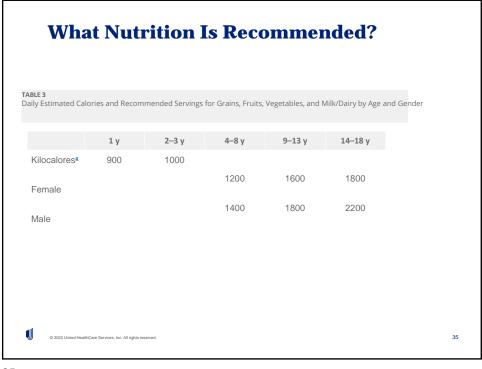


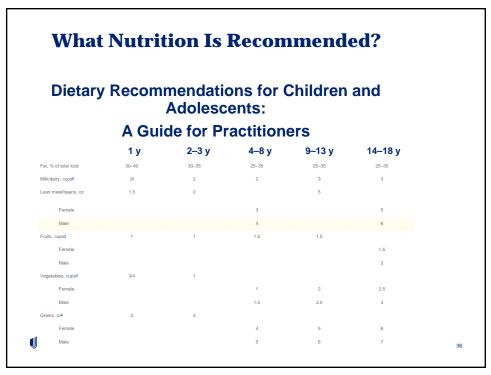
	What Nutrition Is Recommended?	
	SLIDE 27 The US Department of Agriculture (USDA)	
	Dietary Guidelines for Americans 2015-2020, 8 th ed. (The 9 th Edition is pending) In addition:	
	• Consume less than 10 percent of calories per day from added sugars	
	Consume less than 10 percent of calories per day from saturated fats	
	 Consume less than 2,300 milligrams (mg) per day of sodium 	
	Other recommendations and limitations	
	• It is not simple	
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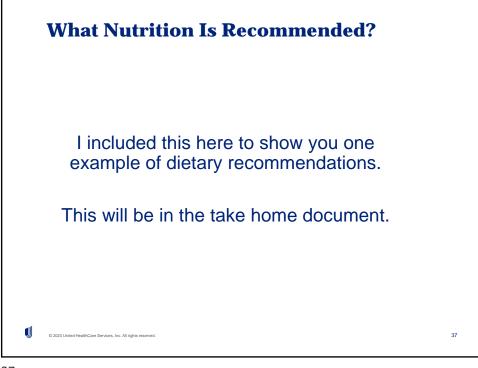


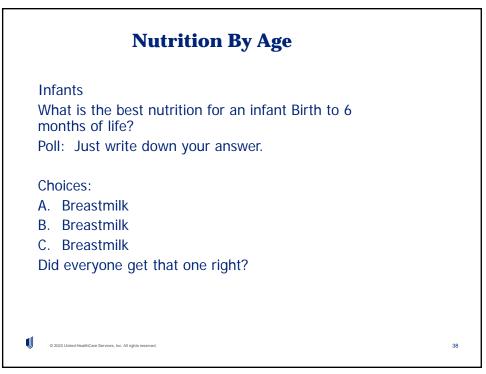


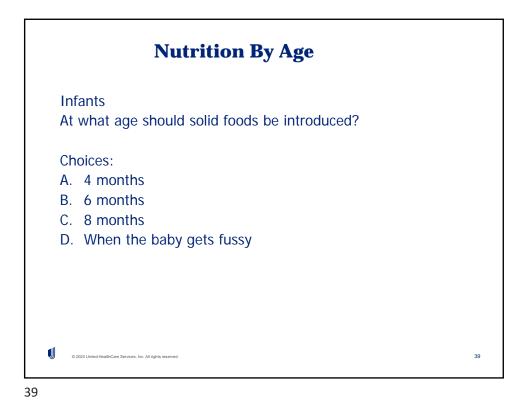


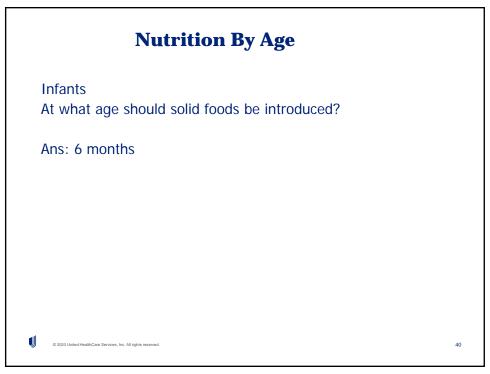


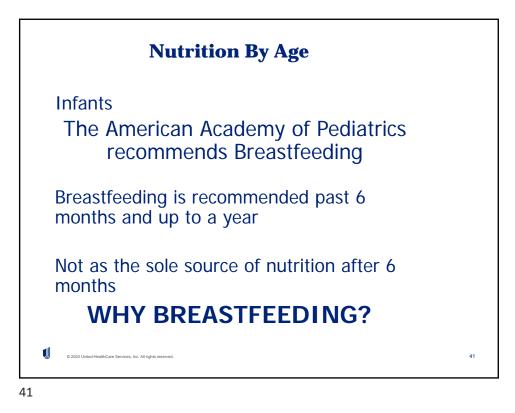


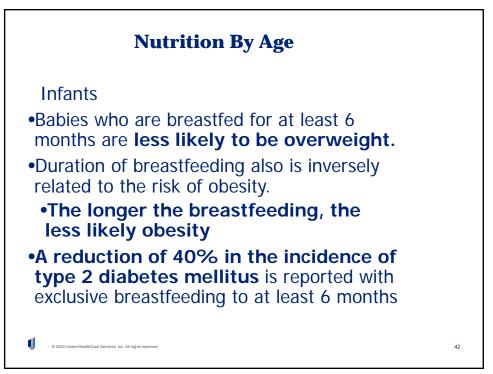


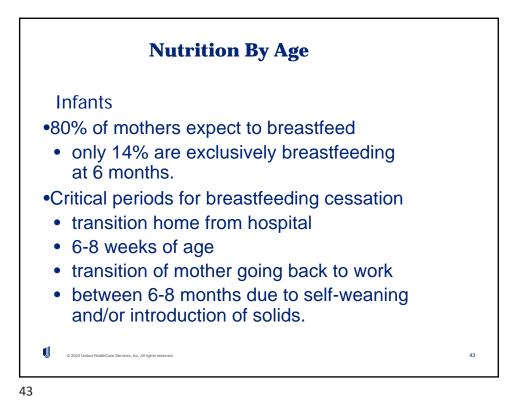


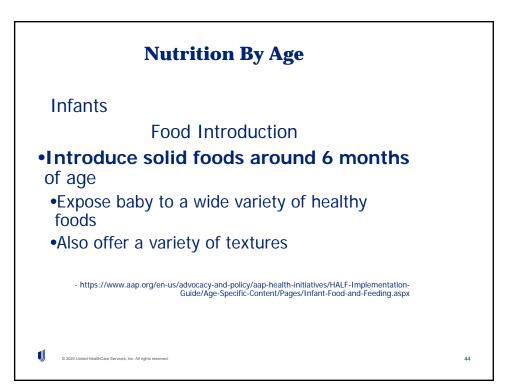








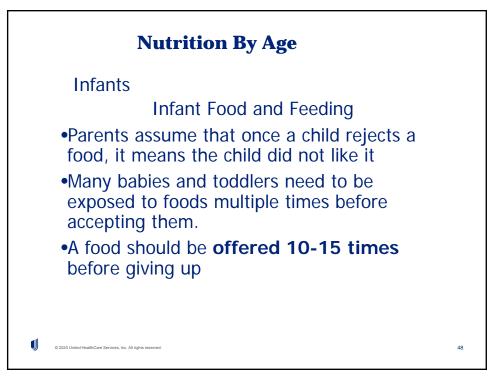




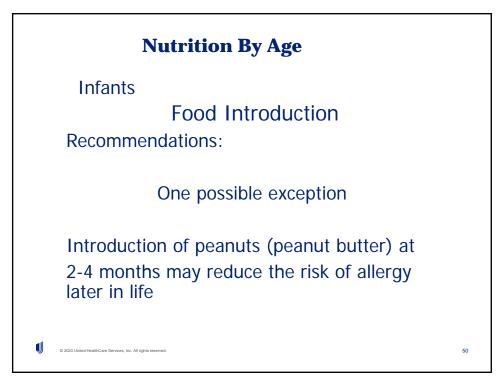


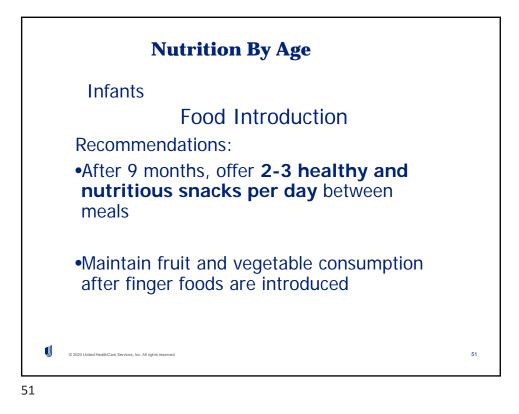








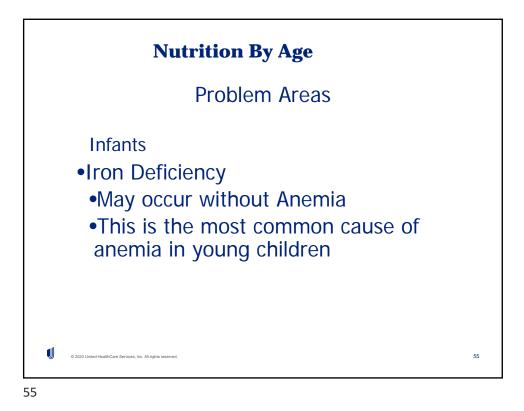


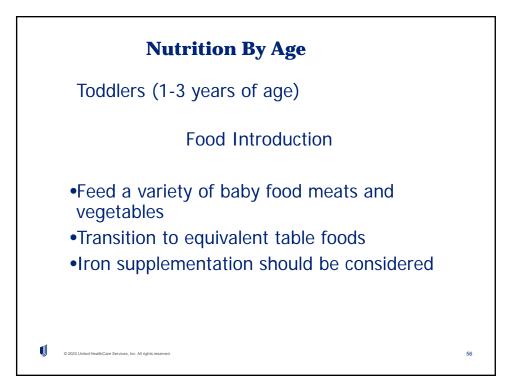


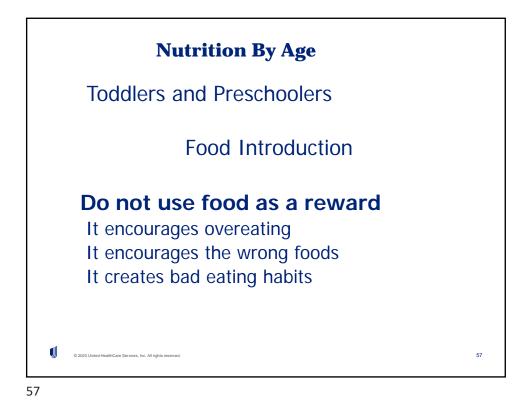


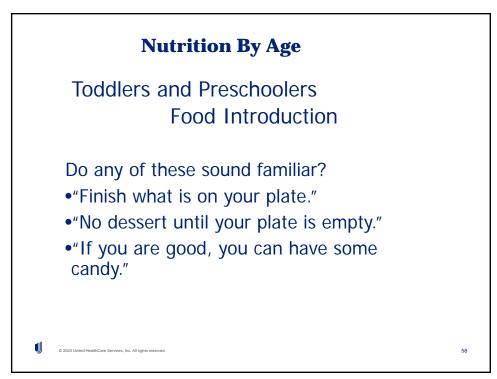




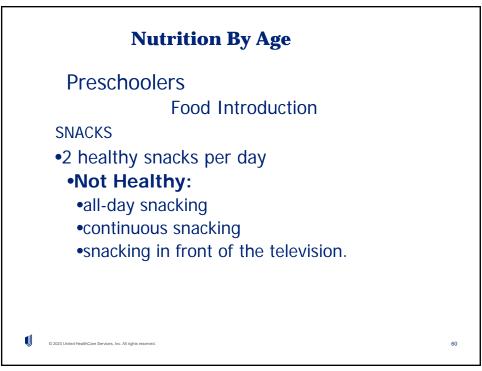


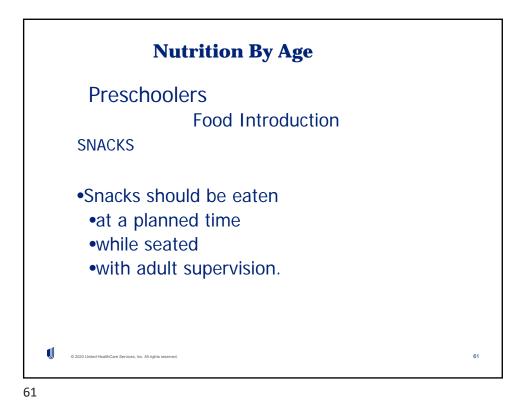


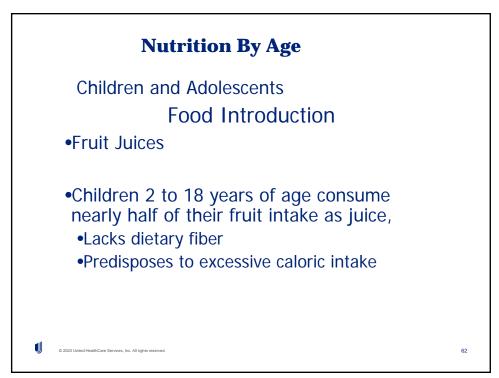


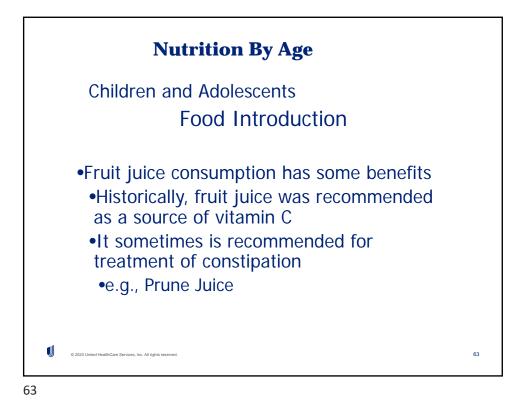


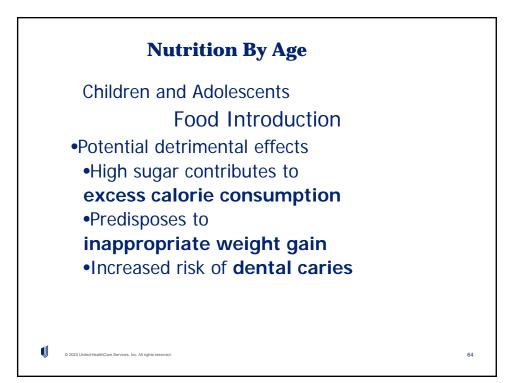
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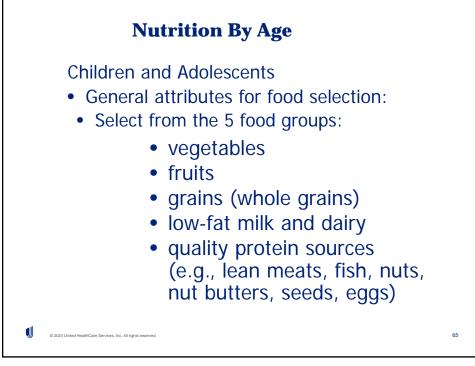




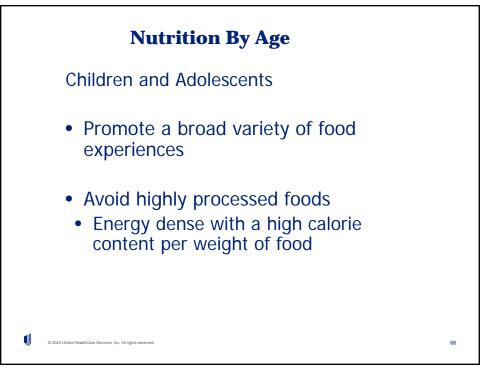


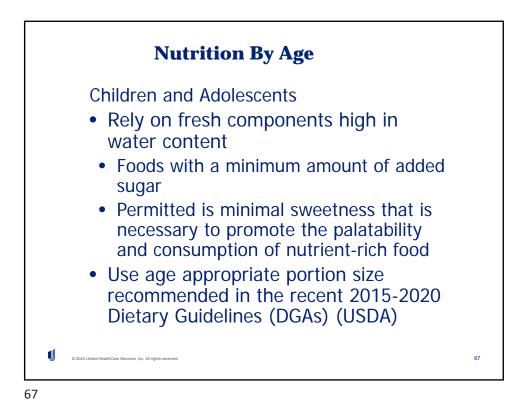


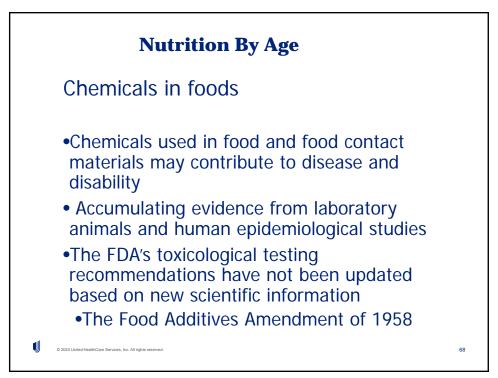






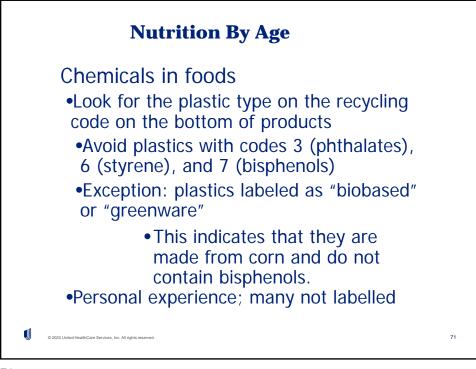


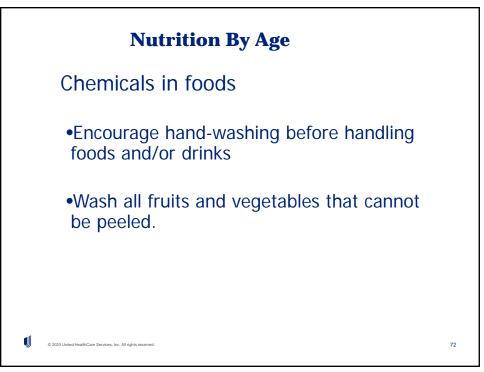




	Nutrition By Age							
Chemicals in foods								
		ses and Health Concerns Chemical	for the Compounds Discussed in This State Food-Related Use	ement Selected Health Concerns				
	Indirect food additives	Bisphenols	Polycarbonate plastic containers	Endocrine disruption ^{3–8}				
			Polymeric, epoxy resins in food and beverage cans	Obesogenic activity,9- ¹² neurodevelopmental disruption ¹³⁻ ¹⁶				
		Phthalates	Clear plastic food wrap	Endocrine disruption17-20				
			Plastic tubing, storage containers used in industrial food production	Obesogenic activity ^{21,22}				
			Multiple uses in food manufacturing equipment	Oxidative stress, ^{23,24} cardiotoxicity ^{25,26}				
		Perfluoroalkyl chemicals (PFCs)	Grease-proof paper and paperboard	Immunosupression, ^{27,28} endocrine disruption, ²⁹⁻³¹ obesogenic activity, ³² decreased birth wt ³³				
		Perchlorate	Food packaging	Thyroid hormone disruption34-36				
	Direct food additives	Nitrates and nitrites	Direct additive as preservative and color enhancer, especially to meats	Carcinogenicity, ^{37–39} thyroid hormone disruption ^{40,41}				
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Vitamins and Supplements	
Micronutrients and Vitamins	
Micronutrient deficiencies can have devastating consequences	
Vitamins and minerals, are key to helping infants and children grow, learn, and thrive	
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