



















Current Realities: What kiddos in the US are eating

- NHANES (NHANES 2017–2018) -self-reported dietary intakes for children and adolescents (2–19 years) reflect an energy distribution of approximately 51% from carbohydrate, 14% from protein, and 35% from fat
- More than 85% of youth exceed the recommended limit of saturated fat intake of 10% of total daily energy intake
- Total sugars contribute more than 20% of calories per day
- Sugar-sweetened beverages among children and adolescents accounts for 10% of total caloric intake



- Sugar-sweetened beverages among children and adolescents accounts for 10% of total caloric intake
- Most youth still do not meet fruit and vegetable recommendations
- Greater than 70 % of adolescents 14-18 y/o significantly exceed recommendations to limit added sugar to no more than 10% of calories.
- Dietary fiber intake, average 14 g per day, significantly lower than recommended at least 26 g dietary fiber in children 9 years and older.



Cultural Sensitivity- Nourishing Diversity



Resources

- <u>https://oldwayspt.org/</u>
- http://www.fao.org/infoods/info ods/tables-and-databases/en/
- <u>http://lanic.utexas.edu/la/regio</u> n/food/
- http://www.wsmclinic.com/for mpdf/South-Asian-Carb-Counting-tool.pdf











Insulin for Carbohydrate Coverage vs Correction

Insulin to Carbohydrate Ratio:

- The amount of carbohydrates "covered" by 1 unit of insulin
- Given **anytime** the student consumes the minimum number of carbohydrates indicated in the insulin to carbohydrate ratio (ICR) in one sitting

Insulin Correction Factor (aka insulin sensitivity factor or ISF):

- The number of BG "points" (mg/dL) 1 unit of insulin will reduce glucose level
- Used to calculate the amount of insulin needed to bring a student's blood glucose into target range
- Only given every 3-4 hours, typically at mealtime









Name of App	Compatibility	Cost	Category	Description
BD Briight: Diabetes Assistant	Apple/Android	Free	Management and Monitoring	Nutrition advice, healthy recipes, and activities Digital diabetes assistant available 24/7 Voice recognition for Logging including dose/blood glucose, asking question
CalorieKing	Apple	Free, with in-	Nutrition and fitness	Curated food database of nutrition information Includes many fast-food chains and restaurants
Figwee	Apple	Free with in- app purchases	Nutrition and fitness	 Visualization tool for learning different portion sizes of food items with nutrition data Paid upgrade tracks what you eat, allows custom food entry, records progress
Fooducate	Apple/Android	Free, with in- app purchases	Nutrition and fitness	Nutrition tracking tool Individualized nutrition grade for each food Personalization for age, sex, weight loss goal Community support
Glucagon	Apple/Android	Free	Management and Monitoring	Step-by-step instructions (text and video) for using glucagon for injection: 1 m (1 unit) Tracker for glucagon kit locations and expiration dates Reminder notifications
MyFitnessPal	Apple/Android	Free, with in- app purchases	Management and Monitoring	Tracking tool for exercise, nutrition Connects with fitness trackers and other health apps Large food database with nutrition information Individualized based on sex. ace. weight loss goal
MySugr	Apple/Android	Free, with in- app purchases	Management and Monitoring	Tracking tool for blood glucose, mood, carbohydrates, medications Reports for HCPs Paid upgrade adds reminders
One Drop	Apple/Android	Free	Management and Monitoring	Tracking tool for blood glucose, mood, carbohydrates, medications Integrated nutrition database Reminders Reports for HCPs
Relax Lite	Apple/Android	Free, with in- app purchases	Stress Management	Guided breathing and meditation exercises
Tidepool	Apple/Android	Free	Management and Monitoring	 Compatibility with many devices (glucose meters, CGM devices, insulin pumps Tracking tool for insulin, CGM, nutrition, and blood glucose data with notes



Table 1	
Characteristics of eat diabetes.	ng disorders (EDs) and disordered eating symptoms (DES) among adolescents with typ
Characteristic	Risk factor
Age	7–18 years
Gender	Female
Dietetic approach	Detailed meal planning, precision in food proportion
Body mass index	Overweight, obesity
Body perception	Body dissatisfaction
Personal characteristics	Anxious, poor quality of life
	Poor attention in family to healthy eating, maternal overweight or binge-eating













