Group Study Module 4: Evaluating Nutrition Care Plans Speaker Notes





The focus of today's discussion is on these last two steps in the process: intervention and evaluation.

Intervention – when a problem is identified, what is done? A plan should be developed with input from all players.

Evaluation – was the plan effective? How could it be improved? Does anything else need to be done?



With any special health care need or medical condition, practitioners should add these types of questions to the assessment process...ANTHROPOMETRICS

9	The Process: Assessment Anthropometrics Biochemical Observations affect biochemical markers? Dietary/Feeding Des the condition affect biochemical markers? Does the condition require special biochemical markers? Does the condition require special biochemical markers? Description	With any special health care need or medical condition, practitioners should add these types of questions to the assessment processBIOCHEMICAL MARKERS
10	The Process: Assessment • Anthropometrics • Biochemical • Clinical/Medical • Dietary/Feeding	With any special health care need or medical condition, practitioners should add these types of questions to the assessment processCLINICAL STATUS AND MEDICAL CONDITIONS
11	The Process: Assessment Anthropometrics Biochemical Clinical/Medical Dietary/Feeding	With any special health care need or medical condition, practitioners should add these types of questions to the assessment processDIETARY AND FEEDING
12	The Process: Intervention = ACTION = What will be done differently? Individualized Specific Outcome-based Family centered Example: Family will offer energy-dense foods at meal and snack times	If we think back to the nutrition care process, the final steps are intervention and evaluation. This next section will focus on developing strong interventionsor strong plans. The intervention is the actionwhat will be done differently. Strong interventions arefamily will offer energy-dense foods at meal and snack times Another example of an intervention is "whole grain bread will be used instead of white bread"
13	Interventions Frective interventions specify: What will be done How it will be carried out Who will do it Whoen it will happen Where it will happen Framily will offer 2 foods with crunchy textures at each meal Where it will offer 2 foods with crunchy textures at each meal	Color codes relate to specific words/parts of the intervention plan.

14	Outcome = RESULTS = What will happen as a result of the intervention? •Measurable •Specific •Evaluated	To evaluate the intervention, we look at the outcome, or the results. In order to assess whether or not the intervention was effective, the outcome indicator must be: <i>measurable, specific, evaluated</i>
	Example: Weight-for-age between the 10 th and 50 th percentiles	One example of an outcome measure is: <i>weight-for-age between the 10th and 50th</i> percentiles. Another example of an outcome is <i>intake that provides 15 g fiber per day</i> .
15	Evaluation Outcome = RESULTS = What will happen as a result of the intervention? • Long-term (adequate calcium intake) • Short-term (re-gain of weight lost during an acute illness)	Outcomes can be long-term (e.g., adequate calcium intake for a young child, weight maintenance for an adolescent) or short term (regain of weight lost during an acute illness, adequate energy intake during the transition from tube-feeding to oral eating)
16	Examples	Now, we'll look at some examples. For these children, goals were identified and interventions were planned, but the goals and interventions are not as strong as they could be. How could they be strengthened?
17	Sheldon is a 9-month old with Prader-Willi syndrome. Assessment identifies that: • Wt/age, length/age, weight/length are <5 th %ile • Wt/age was ~10 th %ile until 6 weeks ago, when he was iil GOAL (desired outcome): > Sheldon's weight-for-age will increase.	Prader Willi syndrome is a genetic disorder. Individuals with PWS have short stature and hypotonia. During infancy, feeding problems are usually present and growth problems are common. After infancy, problems with obesity can occur if access to food is not tightly controlled.
	Pac West MCH	First, identify the problem to be addressed (low

weight/age, weight/length, slow growth). Then, decide on the desired outcome.

What is wrong with this goal? How could it be made stronger?



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The original outcome does not provide enough detail. The outcome needs to be measurable and specific to Sheldon's situation. Is an increase to slightly above the 5th percentile appropriate? What about an increase to the 95th percentile? What is the timeline? If Sheldon's weight loss was a result of an illness, and he regains weight quickly, is it appropriate to encourage even more weight gain?

Because he has short stature and hypotonia, it may not be reasonable to expect his weight-for- length to be in the "upper percentiles" (e.g., 75th to 90th), but below the 5th percentile is not appropriate.



concentrate his formula, and his growth was monitored every 6 to 8 weeks as his intake of solid foods increased and formula decreased. Sheldon's growth continued appropriately.

Things to consider for Sheldon/children with PWS: will Sheldon be able to take an increased volume? how long will it take for him to consume this amount? (for some children, may need to concentrate further)





One food with added energy and protein will be offered at each meal and snack. (A list of foods and additives that add 25 kilocalories and 2 grams

protein each was reviewed with Carla's mother. Specific energy and protein goals were not discussed. Instead, Carla's mother agreed to add one food per meal and snack.)

at each meal and snack

RD will contact Carla's PCP to initiate referral

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The nutritionist will contact Carla's primary care physician to initiate the referral. (The RD also provided Carla's mother with the names and contact information for therapists in their community.) Release of information consent forms were signed by Carla's mother, permitting communication of medical information between the RD and Carla's primary care physician.



The following statement would be a more

measurable outcome: Aaron will maintain his current weight (32 kilograms) until his BMI-for-age is at the 75th percentile.



This intervention is not specific. Fewer kilocalories will help Aaron to maintain his current weight, but the intervention does not provide enough information about how to carry it out to make it effective.

To develop an effective intervention, the RD asked questions to determine why Aaron had gained so much weight (7 kg in 9 months).

Aaron's physical activity level had decreased in the last 9 months, and since his mother had changed jobs, the family was eating out more and eating more convenience foods at home.



35		As the plan is developed, short term outcomes that
55	lucting Improved Interventions	measure Justin's feeding skills can be developed
	Justin: Improved Interventions	measure busin a recarry skins can be developed
	Andout about development of	
	a plan to address Justin's feeding skills Suggest the family be	
	OUTCOME: RD, OT and SLP will develop list of feeding- related recommendations for Suggest that the OT	
	Justin before next nutrition appointment	
	Pac West MCI/ Diversities and the second sec	
36		Other nutrition therapy goals for Justin include
	Justin	
	Goals for nutrition	
	therapy: Maintain adequate	
	intake and appropriate growth	
	Improve feeding skills	
	Prevent overweight	
	Pac Weet MC/)))))) Stream	
37		Are your current nutrition plans written with specific
	Further thought	action plans and measurable outcomes?
		 If yes - did you learn anything more from this
		discussion? What?
		- If no,
		What do you think would be the result of writing
	Ber Kenet MCU 1910	improved nutrition goals and interventions?
	Pac Next MCH (2000)	
		What would you be able to do with this information?
		Does your current or developing electronic medical
		record system allow for your nutrition plans to be
		written in these ways?
		Would you need to change any of your notes or
		reports to reflect these types of goals and action
		plans?
38		Review "Resource" handout
	Conclusion	
	-	Review local resource handout, if you have
	Resource sheet	prepared one, or discuss and generate a list of local
	 Post-test and evaluation 	resources.
	itte	Ask the participants to complete the post-test and
	Pac West MCH Store Longe	evaluation form and turn them in to receive their
		certificate of completion.