

**COMPARING THE METHODOLOGICAL
APPROACHES TO CONDUCTING THE MDD-W**

		Open recall method	List-based method	Diet DQ Tracker method
Enumerators	Advantages	<ul style="list-style-type: none"> • Intuitive for enumerator • Enumerator matches foods consumed with food groups 	<ul style="list-style-type: none"> • Possibly lower capacity requirements for enumerators • Shorter training time for enumerators 	<ul style="list-style-type: none"> • No need for to hire and train enumerators
	Disadvantages	<ul style="list-style-type: none"> • Enumerators must have a good understanding of the objectives of the questionnaire • Enumerators must have reasonable knowledge of foods as acquired, prepared & consumed by respondents • Longer training time required 	<ul style="list-style-type: none"> • Anecdotally reported to be more tedious for enumerators particularly when food lists are long 	
Respondents	Advantages	<ul style="list-style-type: none"> • Intuitive for respondent • Respondent does not match foods to food groups • Probing questions may lead to a more complete recall of foods 		<ul style="list-style-type: none"> • More likely to generate a more complete recall of foods • Respondent does not need to correctly match foods to MDD-W food groups • Respondent does not need to rely on memory as they can input food data during/after each meal • Less likely to lead to the omission of foods • Respondents do not need to mentally 'take apart' mixed dishes • More likely to generate a complete picture of nutrition adequacy during all seasons
	Disadvantages		<ul style="list-style-type: none"> • Requires respondent to correctly identify foods he/she consumed and match them to the correct food group • Requires respondent to mentally 'take apart' mixed dishes and know each main ingredient • Requires respondent to move back & forth in time as foods are mentioned • More likely to elicit biased responses • More likely to lead to omission of food consumed as there is no memory probing • Anecdotally reported to be more tedious for respondents especially when food lists are long 	<ul style="list-style-type: none"> • Slightly tedious for respondent if there is a long list of variations of the same food provided in the food database • Respondents' food may not always be available on the database provided • Respondents may not always have access to a phone, tablet and/or the internet
Computer-Assisted Personal Interviewing (CAPI)	Advantages		<ul style="list-style-type: none"> • Easier to programme in CAPI applications 	<ul style="list-style-type: none"> • No need to use CAPI as mobile app is easy to use and respondent-friendly
	Disadvantages	<ul style="list-style-type: none"> • More difficult to programme in CAPI applications 		
Time	Advantages		<ul style="list-style-type: none"> • Less training time for enumerators when compares to open recall method 	<ul style="list-style-type: none"> • No time required for enumerator training • Not time consuming to input data on meals consumed • Data can be easily collected everyday for weeks and even months • Can easily target data collection during a particular season such as the dry season for specific NSA projects
	Disadvantages	<ul style="list-style-type: none"> • Time consuming as MDD-W must be conducted face-to face • Enumerator training takes a lot of time as they need to understand MDD-W food grouping system • For each respondent, requires several points of data to get the full picture of their nutrition adequacy and thus several interviews must be conducted per respondent 	<ul style="list-style-type: none"> • Time consuming as face-to-face interviews are still required • Can take a very long time to conduct if food lists are long • Each respondent must be interviewed several times for a full picture of their nutritional adequacy to be attained 	<ul style="list-style-type: none"> • Even though the app is user-friendly, respondents must rely on themselves to learn how to use it
Cost	Advantages			<ul style="list-style-type: none"> • The Diet DQ Tracker is free • No costs incurred from employing and training enumerators
	Disadvantages	<ul style="list-style-type: none"> • High costs incurred due to enumerator training • Enumerator salaries can be costly as several MDD-W surveys must be conducted per respondent 	<ul style="list-style-type: none"> • Costs incurred from enumerator training • Enumerator salaries can be costly because each respondent must be interviewed several times 	<ul style="list-style-type: none"> • Costs may be incurred if respondents require phones or tablets to access the app • Costs may be incurred if respondents need access to the internet to submit their nutrition data