

Initiatives to improve collection and analysis of household food consumption data

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and the

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- Food and beverages consumed at bar, restaurant, street food vendor, church, school or work canteen are considered as food consumed away from home
- Food prepared in the dwelling and consumed outside the dwelling are NOT treated as foods consumed away from home (for instance lunch box) – this consumption is part of the food purchased to be consumed by the household
- Foods prepared outside the dwelling and consumed in the house are NOT considered as foods consumed away from home (for instance a frozen pizza bought in the supermarket and consumed in the house) – this food is part of the in-house food consumption (purchased food) even if it was prepared outside







Issues with food consumed away from home

- Food consumed away from home is not always known by the household member who is answering the survey
- Difficult to capture the quantity of a meal consumed away from home
- Usually foods consumed away from home consist of composite meals, the ingredients of which are not always known
- Collecting food consumed away from home asking respondent to report only on total amount spent at restaurant under estimate AFH



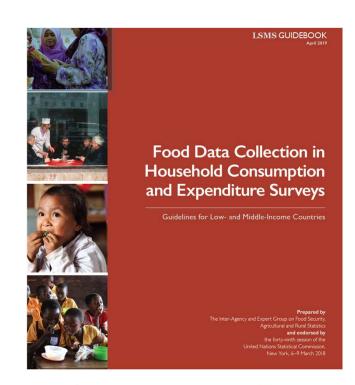


WB/FAO recommendations to better capture FAFH in HCES





- ➤ Data collection should preferably be done at the individual level (proxy respondent in case of children)
- A separate module should be designed based on a clear definition of food away from home (see previous slide)
- ➤ Data collection should be organized around **meal events**, including snacks and drinks
- At a minimum, surveys should collect information on the value of all meals consumed during a meal event away from home (breakfast, lunch, dinner, snacks or drinks)
- The meal events list should be adapted to the local context
- Surveys should use the **same reference period** for food away from home as what is used in the food consumed at home module



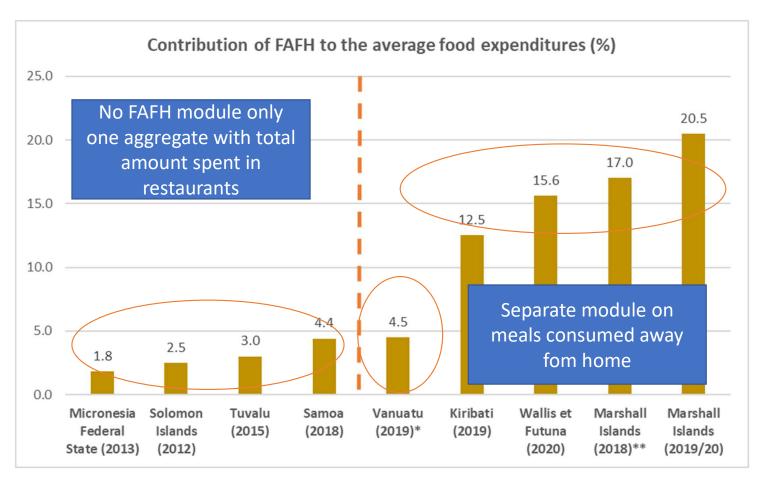






Pacific experience in implementing FAO/WB recommendation





Compared to past practice the amount spent on food consumed away from home seems to be better captured since the adoption of the WB/FAO guidelines in the PICS

Red line denotes old method to the left (no FAFH module) and new method (with individual FAFH module) to the right

^{*} More than 10% in the urban province of Shefa

^{**} Survey experiment in Marshall Islands (average of all arms)

How to estimate the amount of calories consumed a from home?



It is relatively easy to collect the amount of money spent to consume food away from home but how can we estimate the amount of calories or nutrients?

Two options:

- ☐ We can use **indirect** methods based on the amount spent on meals consumed at home (current approach)
- ☐We can use a direct method:

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- All the dishes commember of a house

 The direct method is very riod
- The weight and difficult to
- The composition certain the nutrient content



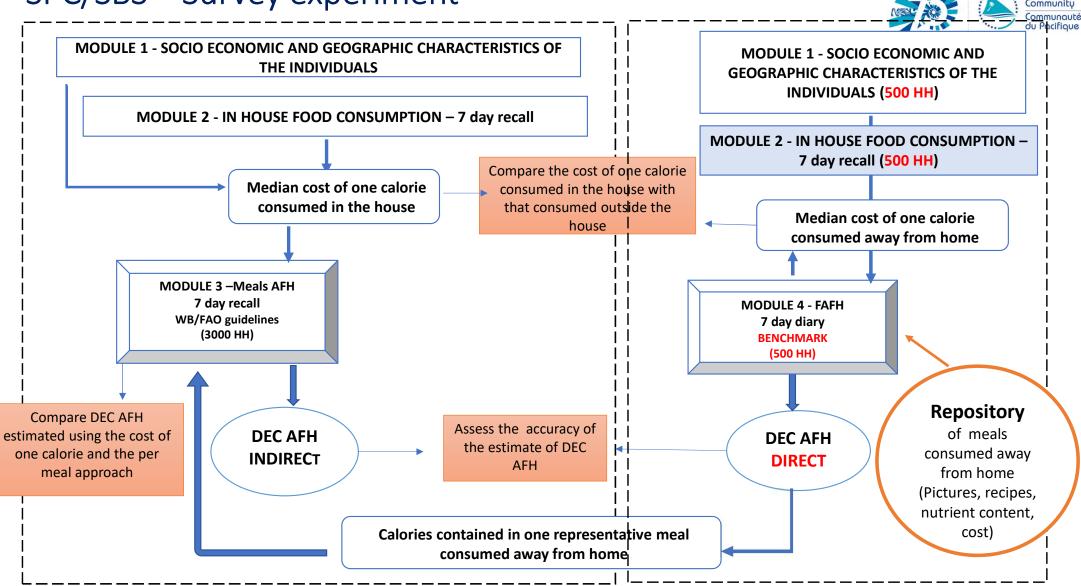


The SPC/SBS FAFH experiment

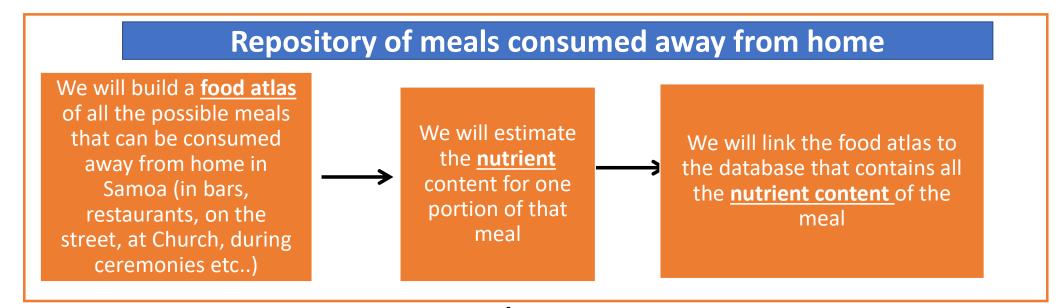


- Assess the WB/FAO approach based on the average cost of one calorie consumed in the house;
- ➤ Propose alternative methods to collect food away from home in a more comprehensive and cost-effective way.
- The survey experiment has been designed for countries that will conduct a HCES according to the WB/FAO guidelines, and which hence include:
 - a 7-day recall module to collect information on in-house consumption;
 - a 7-day recall module to collect number of meals consumed away from home, by meal event.
- The experiment is implemented in Samoa in collaboration with the Samoa Bureau of Statistics (SBS) and will be part of the 2023 HIES
- ➤It will be conducted on a sample of 500 nationally representative households in addition to the 3860 nationally representative households selected for the HIES

SPC/SBS – Survey experiment



How will we obtain the direct estimate of nutrients consumed Away From Home used as benchmark in our experiment?



We will conduct <u>a **survey**</u> asking individuals to identify in the repository the meal that he/she consumed away from home and the portion of that meal

How to build the Away from home meals database?







Web scraping

Focus group discussions



Away from home meals database

(repository of pictures of all the meals consumed away from home + nutrient content)

Crowd sourcing





Food establishment survey





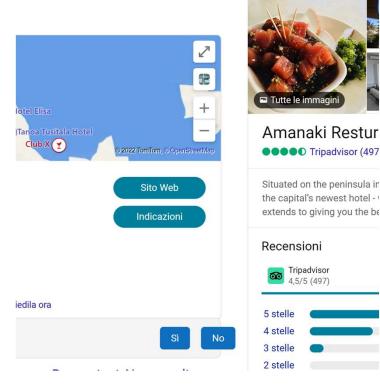
Sources of data collected:

- o Food establishment locators: tripadvisor, booking, hotel
- Restaurant websites
- o Blogs, You tube

Use of this information:

- Get familiar with traditional foods consumed in Samoa
- Establish the list of main meals that can be found in food establishments
- Establish the list of main places of consumption











2. Focus group discussions



Process:

22 June 2022

Around 30 people from different horizon (SBS, granma, students, catering, health, church)

Objective:

 Obtain exhaustive information on consumer habits related to food away from home

Modalities:

- People break in group and discuss issues related to food away from home consumption patterns in Samoa
- Plenary session during which the results of the group discussions are reported

Use of the information

- Ensure we have an exhaustive account of all sources of food away from home consumption
- Better understanding of food away from home consumption habits in Samoa
- Finalize the sample design for the food establishment survey
- Help in designing some activities of the project





3. Crowd sourcing



Process:

- Created <u>flyers</u> to inform individuals about the initiative
- Developed a CAPI questionaire (and QR code) for individuals to upload picture and text
- 156 responses (92 complete responses)

Information collected:

- Pictures of the meal people consumed
- Place of consumption
- Main meals consumed away from home
- Places of consumption

Ue of this information:

Help in prioritizing meals consumed away from home







The meal can be on form of a buffet or a single serve. In case of a buffet, please take a photo of the table with all the dishes visible and take a second photo of your plate.

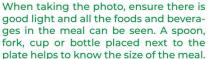
If the meal is just for you, take a photo of each dish and beverage you had.













A raffle will be organized with a prize of 100 Tala awarded to 3 respondents randomly selected at the end of the campaign.

You want to be part of it? The campaign will run until 8th September 2022, so don't miss out. To participate, scan the QR code with your smart phone:







SNAP YOUR MEAAI" IS A NATIONAL INITIATIVE LAUNCHED BY SAMOA BUREAU OF STATISTICS (SBS) IN COLLABORATION WITH THE PACIFIC COMMUNITY (SPC) TO PROMOTE HEALTHY DIETS IN SAMOA.

Comments, complaints and grievances:

Address: Pacific Community (SPC), 95 Promenade Roger Laroque, BP D5 98848 Noumea, New Caledonia Phone: +687 262000; Fax: +687 263818; Email: spc@spc.int; complaints@spc.int; Web: www.spc.int





















4. Food establishment survey

Process

- From focus group, web scraping, crowd sourcing we established the list of main meals consumed away from home to be in the atlas
- Developed a protocol to collect the data:
 - Resource needed (kitchen, cook, photographer, assistant to weight the meal, nutritionist)
 - o Field work:
 - Some meals are cooked from scratch
 - Some meals are bought, weighted and "de-cooked"
 - Some standard meals are only weighted

Information collected

- Picture of the meal in different portions for the food atlas
- Picture of the main measurements
- Weight of different portions of the meal















Away from home meal database

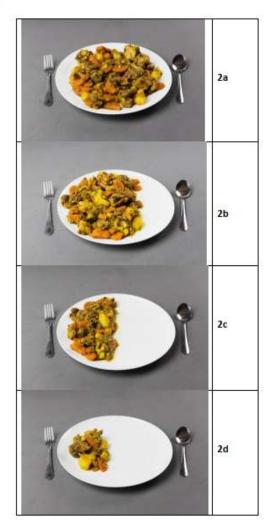
English name	Place *	Portion *	Portion *	Portion *	Portion *	Portion *	Portion	
Baked (large) fish in banana leaf (U	l Upolu	147	255	125	76			
Baked breadfruit, pieces, UMU	Upolu	76	139	186	239			
Baked taro, pieces, UMU	Upolu	85	198	290	360			
Banana cake	Upolu	98	157	358	800			
Beef soup	Upolu	90	202	318	415			
Biscuit with corned beef	Upolu	49	100	151	200			
Bongo	Upolu	21	43	67	oo English		13	
Bun	Upolu	109	199	308		Palolo, bread		
Cheeese omelette with ham, etc, or	Upolu	13	89	359		Bacon and eggs		
Cheese toastie Unolu		54	105	165	Bacon a	Bacon and eggs - only bacon		

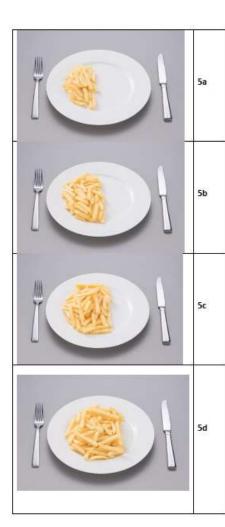
oo 111 12 English name	+i Place ▼	Standard portion
Palolo, bread	Upolu	120
Bacon and eggs	Upolu	199
Bacon and eggs - only bacon	Upolu	42
Bacon and eggs - only eggs	Upolu	157
Baked breadfruit, whole, UMU	Upolu	732
Bananas, UMU	Upolu	242
BBQ - 1 chicken + 1 sausage + cucumber	Upolu	200
BBQ - 1 chicken + 1 turkey tail + 1 sausage + cucumber 1	Upolu	165
BBQ - 1 chicken + 1 turkey tail + 1 sausage + cucumber 2	Upolu	266
BBQ - 1 turkey tail + 1 sausages + cucumber	Upolu	142
BBQ - 2 chicken + 1 turkey tail + 2 sausages + cucumber	Upolu	528
BBQ - 2 chicken + 1 turkey tail + cucumber	Upolu	356
Beef soup	Upolu	
Bongo, regular size	Upolu	200
Bongo small chicken flavoured	Upolu	20
Bowl noodle soup	Upolu	320
Breaded sausage	Upolu	84
Cheeese omelette with ham letr only toast	Unolu	51

2. Chicken curry

Data collection

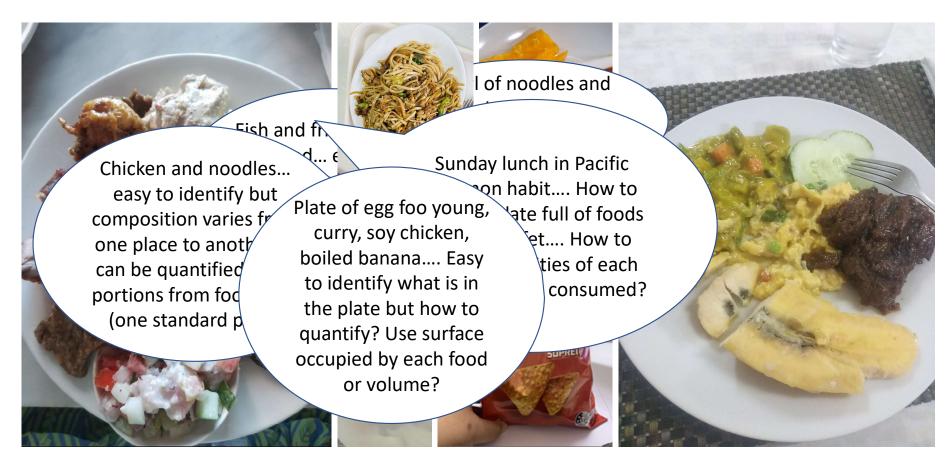
- Individual each household member
- 7 days
- Respondent will fill a paper diary and will be visited each two days
- Adults older than 12 years will fill the diary
- Child less than 12 proxy respondent (mother?)
- Access to the food atlas (electronic and/or print out) to
 - Identify the meal when the respondent cannot remember the meal
 - Identify the portion











							Pacific
Day of the week:	☐ Monday ☐ Tuesday ☐	Wednesday	Thursday Friday Saturd	ay Sunday			Communauté du Pacifique
Q1. Did you consume some food or beverage outside of your house today?	Q2. What is the name of the food or beverage you consumed today away from home?	Q3. Which picture from the food atlas best describes the food you consumed today?	Q4. What was your food or beverage consumed?	Q5. What was the cooking method of the food?	Q6. Which picture from the food atlas best describes the PORTION of the food you consumed?	Q7. Which picture from the food atlas best describes the MEASUREMENT UNIT in which you want to report the quantity you consumed?	du Pacifique
,	[if you consumed a composite dish such as "chicken chow mean" then write the full name of the dish] (complete each row before moving to the next food or beverage)		1	was cooked that is for instance if it was mainly fried, boiled, baked, cooked using UMU method, or do not write anything if not applicable (for instance raw foods such as sashimi, ice	corresponds to the amount of food you consumed. For	[If you cannot find the picture with the portion you consumed, enter the picture corresponding to the measurement in which you want to report the quantity you consumed. For instance if you had one small glass of wine, then enter the picture corresponing to a small glass; if you had three big spoons of coco rice then enter the picture corresponding to the spoon that is closer to the spoon you used to seve the food]	
Yes> Q2	_	Enter code:>Q6 Not in the atlas:>Q4			Enter code:>Q9 Not in the atlas:	Enter code:>Q9 Not in the atlas:	
No> next day	Enter name:> Q6	Not in the atlas.			Not in the atlas.	NOT III the auas.	
Yes> Q2	Don't know> Q	Enter code:>Q6			Enter code:>Q9	Enter code:>Q9	
No> next day	Enter name:> Q6	Not in the atlas:>Q4			Not in the atlas:>Q7	Not in the atlas:>Q8	

Q8. In which other unit of measurement would you like to report the quantity?	Q9. What was the quantity you consumed? [For portions: number of portions For household measurement: Number of servings. For standard or other units: quantity in unit] [if the portion identified in Q6 corresponds to the quantity you consumed just enter 1]	Q10. Did you consume the food or beverage during:	Q11. Where did you consume the food or beverage?	Q12. Was the meal purchased or received as a gift?'	Q13. How much did you pay for the food or beverage? Or in the case of a gift, how much would you have paid to buy it? [If you consumed for free from a buffet, enter only once the total amount in Tala that you would have paid for the food you consumed]	Write down any comment you might have about the food you consumed and could not report in the diary
household measurement (e.g. spoon, bowl, cup, bottle, glass, etc): standard portion (e.g. piece, pack,		Breakfast? Lunch? Diner? For snack?	Restaurant/cafe: Bar/night club:	Purchased Received as gift		
slice, etc.): standard unit of measurement (gram, liter, etc.): Other:			Street stand/Market School/work canteen Friends or relatives Church Other:			
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Pacific Community Communauté du Pacifique



Expected outcomes of the survey experiment

- ➤ Assess the current method to estimate calories consumed away from home
- ➤ Propose an **innovative** way to collect data in a more comprehensive way
- > Develop a set of **region**-specific cost adjustment factors
- ➤ Develop a **protocol** to collect FAFH consumption data to be tested in other regions of the world







Michael Sharp

Winston Faingaanuku

Bertrand Buffiere

Toga Raikota

Thank you

Lilianetelani Hennemann

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Phil Bright

Nathalie Troubat

Samoa Bureau of Statistics