Variable	Question in ProjectPLAN	Categories in	Derivation process	Final response
		ProjectPLAN		
Fruit	How many serves of fruit do	(0) I don't eat fruit	"Less than one serve per day"	0-8 serves per day
	you usually eat each day?	(0.5) Less than one serve per	was considered half a serve	
	Include fresh, dried, frozen and	day	of fruit per day and treated as	
	tinned fruit.	(1) 1 serve per day	a numeric value of 0.5. "8 or	
		(2) 2 serves per day	more" was treated as a	
	Below are examples of ONE	(3) 3 serves per day	numeric value of 8.	
	serve of fruit:	(4) 4 serves per day		
	1 medium sized fruit e.g. apple,	(5) 5 serves per day		
	banana or pear	(6) 6 serves per day		
	2 small sized fruits e.g.	(7) 7 serves per day		
	apricots, kiwi fruits or plums	(8) 8 or more serves per day		
	<i>1 cup fruit e.g. diced or canned</i>			
Vegetables	How many serves of vegetables	(0) I don't eat vegetables	"Less than one serve per day"	0-10 serves per day
	do you usually eat each day?	(0.5) Less than one serve per	was considered half a serve	
	Include fresh, frozen and	day	of vegetables per day and	
	tinned vegetables.	(1) 1 serve per day	treated as a numeric value of	
		(2) 2 serves per day	0.5. "10 or more" was treated	
	Below are examples of ONE	(3) 3 serves per day	as a numeric value of 10.	
	serve of vegetables:	(4) 4 serves per day		
		(5) 5 serves per day		

Additional file 1: Variables included in the study and their respective ProjectPLAN question

	1/2 cup vegetables e.g. broccoli,	(6) 6 serves per day		
	spinach, carrots or pumpkin	(7) 7 serves per day		
	¹ / ₂ cup beans or lentils	(8) 8 serves per day		
	l cup green leafy or raw salad	(9) 9 serves per day		
	vegetables	(10) 10 or more serves per		
		day		
Takeaway	How often would you usually	(0) Never or less than once	Categories 0 and 0.5 were	(0) Less than weekly
	consume hot take-away food	per month	combined into one category.	(1) Once per week
	like fish and chips, burgers,	(0.5) 1 - 3 times per month	Categories 2 to 7 were	(2) More than once per
	pizza, sausage rolls, meat pies,	(1) Once per week	combined into one category.	week
	fried chicken?	(2) Twice per week		
		(3) 3 times per week		
		(4) 4 times per week		
		(5) 5 times per week		
		(6) 6 times per week		
		(7) 7 or more times per week		
Snack	How many days per week	(0) Never or less than once	Categories 0 and 0.5 were	(0) Less than weekly
	would you usually consume	per month	combined into one category.	(1) Once or twice per week
	snacks like chocolate, lollies,	(0.5) 1 - 3 times per month	Categories 1 and 2 were	(2) 3 or 4 times per week
	cake, a packet of chips, ice	(1) Once per week	combined into one category.	(3) 5 or more times per
	cream, donuts, sweet biscuits?	(2) Twice per week	Categories 3 and 4 were	week
		(3) 3 times per week	combined into one category.	
		(4) 4 times per week		

		(5) 5 times per week	Categories 5 to 7 were	
		(6) 6 times per week	combined into one category.	
		(7) 7 or more times per week		
Soft drink	How many days per week	(0) Never or less than once	Categories 0 and 0.5 were	(0) Less than weekly
	would you usually consume	per month	combined into one category.	(1) Once or twice per week
	sugar-sweetened beverages	(0.5) 1 - 3 times per month	Categories 1 and 2 were	(2) 3 or more times per
	like soft drinks, energy drinks,	(1) Once per week	combined into one category.	week
	fruit juice, iced tea, sports	(2) Twice per week	Categories 3 to 7 were	
	drinks or cordial? This does	(3) 3 times per week	combined into one category.	
	not include diet varieties	(4) 4 times per week		
		(5) 5 times per week		
		(6) 6 times per week		
		(7) 7 or more times per week		
Number of different	N/A	N/A	1. A binary variable was first	0-3 discretionary food
types of discretionary			computed for each type of	items (amongst takeaway,
food consumed weekly			discretionary food item	snack, and soft drink)
			(takeaway, snack, soft drink):	consumed at least weekly
			(0) consumed less than	
			weekly and (1) consumed	
			weekly.	
			2. A total count variable was	
			then derived, representing the	

			number of items (from	
			takeaway, snack, and soft	
			drink) consumed at least	
			weekly.	
Work hours (categories)	In a usual week, which of the	(0) No	Those who reported not being	(0) Not working
	following describes your	(1) Yes	employed were categorised	(1) Working up to full-time
	current activities and/or		into one category.	(2) Working overtime
	responsibilities?			
	Employed in a paid job		Those working up to full-	
	(including self-employed)		time, i.e., ≤38 hours/week as	
			per Fair Work's definition,	
	Respondents who reported	Hours per week	were combined into one	
	being employed were asked		category.	
	about their work hours.			
			Those working overtime, i.e.	
	In a normal week, how many		>38 hours/week as per Fair	
	hours per week do you work in		Work's definition, were	
	all your paid jobs?		combined into one category.	

Work hours	Respondents who reported	Hours per week	N/A	Hours per week
	being employed were asked			
	about their work hours.			
	In a normal week, how many			
	hours per week do you work in			
	all your paid jobs?			
Commute hours	Thinking about your main paid	(1) I usually work from	1. Daily commute minutes for	Hours per week
	job, which of the following best	home	each commute way (from	
	describes the location of your	(2) I usually travel to the	home to work and vice versa)	
	workplace?	same work location on the	were derived based on the	
		days I work	hours and minutes reported.	
		(3) I usually travel to many	"3 or more hours" was treated	
		different work locations on	as a numeric value of 3.	
		the days I work e.g.,	Hours were multiplied by 60	
		tradesperson or courier	to represent minutes. Those	
		driver	(transformed) minutes were	
	Respondent who reported	Hours:	then added to the reported	
	usually travelling to the same	(0) 0 hours	minutes.	
	work location or to many	(1) 1 hour		
	different work locations were	(2) 2 hours	2. Daily commute minutes for	
	asked about their commute	(3) 3 or more hours	both commute ways were	
	time.			

		Minutes:	summed into one commute	
	On a usual day, how long is	(0) 0 mins	time (minutes).	
	your travel time: in hours	(5) +5 mins		
	and/or minutes	(10) +10 mins	3. To represent weekly	
	a. From home to work	(15) +15 mins	commute minutes, commute	
	b. From work to home		minutes were multiple by the	
		(55) +55 mins	number of reported	
	In a normal week, how many	(0.5) Less than once per	workdays. "Less than once	
	days per week do you work in	week	per week" was treated as a	
	all your paid jobs?	(1) One day	numeric value of 1.	
		(2) Two days		
		(3) Three days	4. To represent weekly	
		(4) Four days	commute hours, weekly	
		(5) Five days	commute minutes were	
		(6) Six days	divided by 60.	
		(7) Seven days per week		
		(every day)	5. Those who reported	
			usually working from home	
			were transformed into 0	
			weekly commute hours	
			instead of missing.	
Combined work and	N/A	N/A	Both work and commute	Hours per week
commute hours			hours were summed.	

Age	What is your current age in	Age in years	N/A	Years	
	years?				
Gender	What is your gender?	(1) Male	N/A	(1) Male	
		(2) Female		(2) Female	
		(3) Transgender		(3) Transgender	
Presence of children in	Not including you, how many	(0) 0 people	Categories were created	(0) No children	
household	other people live in your	(1) 1 person	based on the presence of any	(1) Any child \leq 4 years	
	household <u>most nights of the</u>	(2) 2 people	children in the household and	(2) Only children aged 5 to	
	<u>week</u> ?	(3) 3 people	whether any 4 years old or	17 years	
	a. Children (4 years or	(4) 4 people	younger or whether all		
	younger)	(5) 5 people	children were older than 4		
	b. Children (5 to 12	(6) 6 or more people	years old.		
	years)				
	c. Children (13 to 17				
	years)				
Relationship/living	What is your current	(1) Single	Categories 2 and 3 were	(1) Single	
status	relationship status?	(2) In a relationship living	recoded.	(2) In a relationship not	
		with partner		living with partner	
		(3) In a relationship not		(3) In a relationship living	
		living with partner		with partner	
Neighbourhood SES	N/A	(0) Low SES	N/A	(0) Low SES	
	Stratified sampling based on	(1) High SES		(1) High SES	
	neighbourhood SES.				

	Low based on Statistical Areas			
	level 1 (SA1) Socio-Economic			
	Indexes for Areas (SEIFA)			
	Index of Relative Socio-			
	economic Advantage and			
	Disadvantage (IRSAD) deciles			
	of level 1, 2 or 3 that had to be			
	within an SA2 of level 1, 2 or			
	3. (27)			
	High based on SA1 SEIFA			
	IRSAD deciles of level 8, 9 or			
	10 that had to be within an			
	SA2 of level 8, 9 or 10. (27)			
Neighbourhood type	N/A	(0) 20-minute	N/A	(1) 20-minute
	Stratified sampling based on	neighbourhood		neighbourhood
	neighbourhood type.	(1) Non-20-minute		(2) Non-20-minute
		neighbourhood		neighbourhood
	Five layers of resources were			
	identified, including: 1) healthy			
	food; 2) community facilities;			
	3) recreation facilities; 4)			

	public open space; and 5)			
	public transport. Twenty-			
	minute neighbourhoods were			
	areas with access to all five			
	layers of resources, whilst non-			
	20MNs had very few			
	individual services and			
	amenities (\leq 5 individual			
	attributes). (Thornton, under			
	review).			
City	N/A	(1) Melbourne	N/A	(1) Melbourne
	Stratified sampling based on	(2) Adelaide		(2) Adelaide
	city.			

N/A: not applicable

	Whole sample			Employed sub-sample		
	Omitted	Complete	Full	Omitted	Complete	Full
Ν	70	699	769	28	378	406
Fruit consumption	2.00 (1.00, 2.00)	1.00 (1.00, 2.00)	1.00 (1.00, 2.00)	2.00 (1.00, 2.00)	2.00 (1.00, 2.00)	2.00 (1.00, 2.00)
(serves/day) median (IQR)	(n=70)	(n=699)	(n=769)	(n=28)	(n=378)	(n=406)
Vegetable consumption	2.00 (1.00, 3.00)	2.00 (1.00, 3.00)	2.00 (1.00, 3.00)	2.00 (1.00, 3.00)	2.00 (2.00, 3.00)	2.00 (2.00, 3.00)
(serves/day) median (IQR)	(n=70)	(n=699)	(n=769)	(n=28)	(n=378)	(n=406)
Different types of						
discretionary food (i.e.,						
takeaway, snacks, and soft						
drinks) consumed weekly (n)						
0	16 (23.2%)	137 (19.6%)	153 (19.9%)	4 (14.3%)	67 (17.7%)	71 (17.5%)
1	35 (50.7%)	285 (40.8%)	320 (41.7%)	13 (46.4%)	144 (38.1%)	157 (38.7%)
2	11 (15.9%)	166 (23.7%)	177 (23.0%)	6 (21.4%)	94 (24.9%)	100 (24.6%)
3	7 (10.1%)	111 (15.9%)	118 (15.4%)	5 (17.9%)	73 (19.3%)	78 (19.2%)
Takeaway consumption						
(occasions)						
<1/week	54 (78.3%)	470 (67.2%)	524 (68.2%)	19 (67.9%)	224 (59.3%)	243 (59.9%)
1/week	9 (13.0%)	139 (19.9%)	148 (19.3%)	6 (21.4%)	91 (24.1%)	97 (23.9%)
>1/week	6 (8.7%)	90 (12.9%)	96 (12.5%)	3 (10.7%)	63 (16.7%)	66 (16.3%)
Snack consumption						
(occasions)						
<1/week	17 (24.3%)	189 (27.0%)	206 (26.8%)	4 (14.3%)	97 (25.7%)	101 (24.9%)

Additional file 2: Descriptive characteristics for the full sample, complete case sample and omitted participants

1-2/week	24 (34.3%)	204 (29.2%)	228 (29.6%)	11 (39.3%)	119 (31.5%)	130 (32.0%)
3-4/week	17 (24.3%)	131 (18.7%)	148 (19.2%)	6 (21.4%)	73 (19.3%)	79 (19.5%)
≥5/week	12 (17.1%)	175 (25.0%)	187 (24.3%)	7 (25.0%)	89 (23.5%)	96 (23.6%)
Soft drink consumption						
(occasions)						
<1/week	58 (82.9%)	488 (69.8%)	546 (71.0%)	21 (75.0%)	262 (69.3%)	283 (69.7%)
1-2/week	5 (7.1%)	107 (15.3%)	112 (14.6%)	3 (10.7%)	62 (16.4%)	65 (16.0%)
≥3/week	7 (10.0%)	104 (14.9%)	111 (14.4%)	4 (14.3%)	54 (14.3%)	58 (14.3%)
Work hours						
Not working (0h)	9 (28.1%)	321 (45.9%)	330 (45.1%)		0 (0.0%)	
Working up to full-time (1-	14 (43.8%)	237 (33.9%)	251 (34.3%)	14 (60.9%)	237 (62.7%)	251 (62.6%)
38h)						
Working overtime (>38h)	9 (28.1%)	141 (20.2%)	150 (20.5%)	9 (39.1%)	141 (37.3%)	150 (37.4%)
Combined weekly work and	44.42 (27.83, 50.00)	40.46 (27.50, 47.50)	40.67 (27.62, 47.50)	44.42 (27.83, 50.00)	40.46 (27.50, 47.50)	40.67 (27.62, 47.50)
commute hours (employed	(n=22)	(n=378)	(n=400)	(n=22)	(n=378)	(n=400)
only) median (IQR)						
Weekly work hours (employed	38.00 (20.00, 40.00)	37.50 (25.00, 40.00)	37.50 (25.00, 40.00)	38.00 (20.00, 40.00)	37.50 (25.00, 40.00)	37.50 (25.00, 40.00)
only) median (IQR)	(n=23)	(n=378)	(n=401)	(n=23)	(n=378)	(n=401)
Weekly commute hours	4.00 (0.00, 7.50)	3.33 (1.50, 6.25)	3.33 (1.33, 6.25)	4.00 (0.00, 7.50)	3.33 (1.50, 6.25)	3.33 (1.33, 6.25)
(employed only) median (IQR)	(n=26)	(n=378)	(n=404)	(n=26)	(n=378)	(n=404)
Age median (IQR)	68.00 (53.00, 73.50)	57.00 (41.00, 67.00)	58.00 (41.00, 67.00)	53.00 (45.00, 68.00)	47.00 (36.00, 57.00)	47.00 (37.00, 57.00)
	(n=32)	(n=699)	(n=731)	(n=7)	(n=378)	(n=385)
Gender						

Male	26 (43.3%)	270 (38.6%)	296 (39.0%)	12 (44.4%)	140 (37.0%)	152 (37.5%)
Female	34 (56.7%)	427 (61.1%)	461 (60.7%)	15 (55.6%)	238 (63.0%)	253 (62.5%)
Transgender	0 (0.0%)	2 (0.3%)	2 (0.3%)		0 (0.0%)	
Children in household						
No children	43 (69.4%)	514 (73.5%)	557 (73.2%)	17 (60.7%)	248 (65.6%)	265 (65.3%)
Any child \leq 4 years	14 (22.6%)	97 (13.9%)	111 (14.6%)	8 (28.6%)	61 (16.1%)	69 (17.0%)
Only children aged 5 to 17	5 (8.1%)	88 (12.6%)	93 (12.2%)	3 (10.7%)	69 (18.3%)	72 (17.7%)
years						
Relationship status						
Single	22 (39.3%)	210 (30.0%)	232 (30.7%)	11 (45.8%)	114 (30.2%)	125 (31.1%)
In a relationship: not living	1 (1.8%)	43 (6.2%)	44 (5.8%)	0 (0.0%)	24 (6.3%)	24 (6.0%)
with partner						
In a relationship: living with	33 (58.9%)	446 (63.8%)	479 (63.4%)	13 (54.2%)	240 (63.5%)	253 (62.9%)
partner						
Neighbourhood SES						
Low SES	30 (42.9%)	307 (43.9%)	337 (43.8%)	15 (53.6%)	159 (42.1%)	174 (42.9%)
High SES	40 (57.1%)	392 (56.1%)	432 (56.2%)	13 (46.4%)	219 (57.9%)	232 (57.1%)
City						
Melbourne	38 (54.3%)	320 (45.8%)	358 (46.6%)	17 (60.7%)	189 (50.0%)	206 (50.7%)
Adelaide	32 (45.7%)	379 (54.2%)	411 (53.4%)	11 (39.3%)	189 (50.0%)	200 (49.3%)
Neighbourhood design						
20MN	29 (41.4%)	349 (49.9%)	378 (49.2%)	9 (32.1%)	199 (52.6%)	208 (51.2%)
Non-20MN	41 (58.6%)	350 (50.1%)	391 (50.8%)	19 (67.9%)	179 (47.4%)	198 (48.8%)

	Reference group:			
	working up to full-time			
Poisson regression		IRR	95% CI	p-value
Daily serves of fruit	Not working	0.920	(0.790; 1.072)	0.286
	Working overtime	0.929	(0.782; 1.103)	0.402
Daily serves of vegetables	Not working	0.912	(0.806; 1.032)	0.145
	Working overtime	1.065	(0.932; 1.217)	0.353
Number of different types of	Not working	1.071	(0.906; 1.265)	0.424
discretionary food (i.e., takeaway,	Working overtime	1.103	(0.926; 1.313)	0.274
snacks, and soft drinks) consumed				
weekly				
Ordinal regression		OR	95% CI	p-value
Takeaway consumption	Not working	1.131	(0.732; 1.750)	0.579
	Working overtime	1.410	(0.908; 2.190)	0.126
Snack consumption	Not working	1.308	(0.915; 1.868)	0.140
	Working overtime	1.156	(0.791; 1.688)	0.454
Soft drink consumption	Not working	1.352	(0.872; 2.096)	0.177
	Working overtime	1.303	(0.819; 2.073)	0.263

Additional file 3: Adjusted models of work hours and food consumption (n=699)

Models adjusted for age, gender, children in household, relationship status, neighbourhood SES, neighbourhood type and city.

(Not working: 0h, Up to full-time: 1-38h/week, Overtime: >38h/week)

IRR=Incidence Rate Ratio, OR=Odds Ratio, CI=Confidence Interval.

	Reference group:	20MN		Non-20MN			
	working up to full-time						
Poisson regression		IRR	95% CI	p-value	IRR	95% CI	p-value
Daily serves of fruit	Not working	0.870	(0.710; 1.065)	0.176	0.969	(0.793; 1.185)	0.761
	Working overtime	0.938	(0.747; 1.177)	0.578	0.915	(0.706; 1.185)	0.500
Daily serves of vegetables	Not working	0.866	(0.733; 1.023)	0.090	0.954	(0.812; 1.120)	0.564
	Working overtime	1.086	(0.911; 1.295)	0.356	1.034	(0.846; 1.263)	0.746
Number of different types of	Not working	0.944	(0.748; 1.193)	0.631	1.192	(0.960; 1.481)	0.112
discretionary food (i.e., takeaway,	Working overtime	1.016	(0.799; 1.291)	0.898	1.203	(0.937; 1.544)	0.146
snacks, and soft drinks) consumed							
weekly							
Ordinal regression		OR	95% CI	p-value	OR	95% CI	p-value
Takeaway consumption	Not working	0.893	(0.483; 1.653)	0.719	1.401	(0.798; 2.460)	0.241
	Working overtime	1.060	(0.580; 1.937)	0.850	1.919	(1.025; 3.594)	0.042
Snack consumption	Not working	0.855	(0.530; 1.379)	0.521	1.912	(1.200; 3.046)	0.006
	Working overtime	1.106	(0.660; 1.854)	0.702	1.204	(0.696; 2.082)	0.506
Soft drink consumption	Not working	1.070	(0.582; 1.966)	0.828	1.660	(0.940; 2.931)	0.081
	Working overtime	1.088	(0.578; 2.047)	0.795	1.584	(0.813; 3.087)	0.176

Additional file 4: Adjusted models of work hours and food consumption (n=699)

Models adjusted for age, gender, children in household, relationship status, neighbourhood SES and city.

(Not working: 0h, Up to full-time: 1-38h/week, Overtime: >38h/week)

20MN=20-minute neighbourhood, IRR=Incidence Rate Ratio, OR=Odds Ratio, CI=Confidence Interval

	Combined work and commute hours						
	20MN			Non-20MN			
Poisson regression	IRR	95% CI	p-value	IRR	95% CI	p-value	
Daily serves of fruit	0.998	(0.991; 1.006)	0.645	0.996	(0.988; 1.004)	0.304	
Daily serves of vegetables	1.002	(0.996; 1.008)	0.445	1.000	(0.994; 1.006)	0.992	
Number of different types of	1.003	(0.995; 1.011)	0.512	1.006	(0.998; 1.014)	0.148	
discretionary food (i.e., takeaway,							
snacks, and soft drinks) consumed							
weekly							
Ordinal regression	OR	95% CI	p-value	OR	95% CI	p-value	
Takeaway consumption	1.011	(0.990; 1.033)	0.315	1.018	(0.996; 1.040)	0.106	
Snack consumption	1.004	(0.986; 1.023)	0.640	1.014	(0.996; 1.032)	0.132	
Soft drink consumption	1.015	(0.992; 1.038)	0.212	1.005	(0.983; 1.028)	0.648	

Additional file 5: Adjusted models of combined work and commute hours and food consumption amongst those employed (n=378)

Models adjusted for age, gender, children in household, relationship status, neighbourhood SES and city.

(Not working: 0h, Up to full-time: 1-38h/week, Overtime: >38h/week)

20MN=20-minute neighbourhood, IRR=Incidence Rate Ratio, OR=Odds Ratio, CI=Confidence Interval.