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# **HEALTHY COMMUNITIES STUDY**

Healthy Communities Study: How Communities Shape Children's Health Detailed Estimation of Parent/Caregiver and Child Average Burden (Minutes) by Age of Child and Protocol Components in First Three Years of Data Collection

Parent/Caregiver Burden: Standard Protocol (minutes)

	AGE OF CHILD:	3-5 YEARS	6-8 YEARS	9-11 YEARS	12-15 YEARS
RECRUITMEN	IT CALL	6	6	6	6
CALL TO SCH	EDULE INTERVIEW	5	5	5	5
	EXPOSURE/DEMO/MEDICAL/BEHAV. QUESTIONS	13.5	13.5	13.5	11.5
SURVEY	PHYSICAL ACTIVITY (PA) QUESTIONS	16	21	21	3
COMPONENTS	NUTRITION QUESTIONS	13.5	14.5	14.5	4
	TOTAL SURVEY	43	49	49	18.5
OTHER	INFORMED CONSENT	10	10	10	10
ACTIVITIES	MED. RELEASE	5	5	5	5
DURING STANDARD	ANTHROPOMETRICS (1 BIO PAR)	3.5	3.5	3.5	3.5
PROTOCOL VISIT	DISTRIBUTE INCENTIVE	3	3	3	3
TOTAL MI	NUTES FOR STANDARD PROTOCOL VISIT:	75.5	81.5	81.5	51
	WEIGHT*	0.23	0.23	0.23	0.31
	WEIGHTED TOTAL:	17.42	18.81	18.81	15.69

<sup>\*</sup>WEIGHT is calculated based upon the proportion of all children in each age range (e.g., of all the 65 children visited, 15 [5 children per age] are in the 3-5 age range).

#### **Child Burden: Standard Protocol (minutes)**

	AGE OF CHILD:	3-5 YEARS	6-8 YEARS	9-11 YEARS	12-15 YEARS
	EXPOSURE/DEMO/MEDICAL/BEHAV. QUESTIONS	0	2	2	4
SURVEY	PHYSICAL ACTIVITY (PA) QUESTIONS	0	18	18	18
COMPONENTS	NUTRITION QUESTIONS	0	10.5	10.5	13.5
	TOTAL SURVEY	0	30.5	30.5	35.5
OTHER	ASSENT (child ≥8)	0	3.33	10	10
ACTIVITIES	MED. RELEASE	0	0	0	0
DURING STANDARD	ANTHROPOMETRICS (Height/Weight/Girth)	6	6	6	6
PROTOCOL VISIT	DISTRIBUTE INCENTIVE	3	3	3	3
TOTAL MI	NUTES FOR STANDARD PROTOCOL VISIT:	9	42.83	49.5	54.5
	WEIGHT*	0.23	0.23	0.23	0.31
	WEIGHTED TOTAL:	2.08	9.88	11.42	16.77

<sup>\*</sup>WEIGHT is calculated based upon the proportion of all children in each age range (e.g., of all the 65 children visited, 15 [5 children per age] are in the 3-5 age range).

Parent/Caregiver Burden: Enhanced Protocol (minutes)

AGE OF CHI	: 3-5 YEARS	6-8 YEARS	9-11 YEARS	12-15 YEARS
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# **HEALTHY COMMUNITIES STUDY**

RECRUITMEN	IT CALL	6	6	6	6
CALL TO SCH	EDULE INTERVIEW	5	5	5	5
	EXPOSURE/DEMO/MEDICAL/BEHAV. QUESTIONS	13.5	13.5	13.5	11.5
SURVEY	PHYSICAL ACTIVITY (PA) QUESTIONS	16	21	21	3
COMPONENTS	NUTRITION QUESTIONS	13.5	14.5	14.5	4
	TOTAL SURVEY	43	49	49	18.5
	INFORMED CONSENT	10	10	10	10
OTHER	MED. RELEASE	5	5	5	5
ACTIVITIES DURING	ANTHROPOMETRICS (1 BIO PAR)	3.5	3.5	3.5	3.5
ENHANCED	DISTRIBUTE INCENTIVE	3	3	3	3
PROTOCOL VISIT	Dietary 24 hour Recall (ASA24)	30	30	30	0
	ACCELEROMETER INITITATION	5	5	5	5
	TOTAL MINUTES FOR HOME VISIT 1:	99.5	105.5	105.5	45
DURING WEEK	Child Uses Accelerometer	35	35	35	0
	Collect Accelerometer	3	3	3	3
ENHANCED PROTOCOL	Dietary 24 hour Recall (ASA24)	30	30	30	0
HOME VISIT 2	PA Behavior Recall	10	15	15	0
	Distribute Incentive	2	2	2	2
	TOTAL MINUTES FOR HOME VISIT 2:	45	50	50	5
	TOTAL MINS FOR ENHANCED PROTOCOL:	190.5	201.5	201.5	61
	WEIGHT*	0.23	0.23	0.23	0.31
	WEIGHTED TOTAL:	43.96	46.50	46.50	18.77

<sup>\*</sup>WEIGHT is calculated based upon the proportion of all children in each age range (e.g., of all the 13 children visited, 3 [1 child per age] are in the 3-5 age range).

## **Child Burden: Enhanced Protocol (minutes)**

	AGE OF CHILD:	3-5 YEARS	6-8 YEARS	9-11 YEARS	12-15 YEARS
SURVEY	EXPOSURE/DEMO/MEDICAL/BEHAV.	0	2	2	4
COMPONENTS	QUESTIONS				



# **HEALTHY COMMUNITIES STUDY**

PHYSICAL ACTIVITY (PA) QUESTIONS	0	18	18	18	
NUTRITION QUESTIONS	0	10.5	10.5	13.5	
TOTAL SURVEY	0	30.5	30.5	35.5	
ASSENT (child ≥8)	0	3.33	10	10	
MED. RELEASE	0	0	0	0	
ANTHROPOMETRICS (Height/Weight/Girth)	6	6	6	6	
DISTRIBUTE INCENTIVE	3	3	3	3	
Dietary 24 hour Recall (ASA24)	0	30	30	30	
ACCELEROMETER INITITATION	5	5	5	5	
TOTAL MINUTES FOR HOME VISIT 1:	14	77.83	84.5	89.5	
Child Uses Accelerometer	35	35	35	35	
Collect Accelerometer	0	2	2	2	
Dietary 24 hour Recall (ASA24)	0	30	30	30	
PA Behavior Recall	0	15	15	15	
Distribute Incentive	0	0	0	0	
TOTAL MINUTES FOR HOME VISIT 2:	0	47	47	47	
TOTAL MINS FOR ENHANCED PROTOCOL:	49	159.83	166.5	171.5	
WEIGHT*	0.23	0.23	0.23	0.31	
WEIGHTED TOTAL:	11.31	36.88	38.42	52.77	139.38
	NUTRITION QUESTIONS  TOTAL SURVEY  ASSENT (child ≥8)  MED. RELEASE  ANTHROPOMETRICS (Height/Weight/Girth)  DISTRIBUTE INCENTIVE  Dietary 24 hour Recall (ASA24)  ACCELEROMETER INITITATION  TOTAL MINUTES FOR HOME VISIT 1:  Child Uses Accelerometer  Collect Accelerometer  Dietary 24 hour Recall (ASA24)  PA Behavior Recall  Distribute Incentive  TOTAL MINUTES FOR HOME VISIT 2:  TOTAL MINUTES FOR HOME VISIT 2:  TOTAL MINUTES FOR HOME VISIT 2:	NUTRITION QUESTIONS  TOTAL SURVEY  0  ASSENT (child ≥8)  MED. RELEASE  0  ANTHROPOMETRICS (Height/Weight/Girth)  DISTRIBUTE INCENTIVE  Dietary 24 hour Recall (ASA24)  ACCELEROMETER INITITATION  5  TOTAL MINUTES FOR HOME VISIT 1:  14  Child Uses Accelerometer  Collect Accelerometer  Dietary 24 hour Recall (ASA24)  PA Behavior Recall  Distribute Incentive  TOTAL MINUTES FOR HOME VISIT 2:  TOTAL MINUTES FOR HOME VISIT 2:  TOTAL MINUTES FOR HOME VISIT 2:  49  WEIGHT*  0.23	NUTRITION QUESTIONS       0       10.5         TOTAL SURVEY       0       30.5         ASSENT (child ≥8)       0       3.33         MED. RELEASE       0       0         ANTHROPOMETRICS (Height/Weight/Girth)       6       6         DISTRIBUTE INCENTIVE       3       3         Dietary 24 hour Recall (ASA24)       0       30         ACCELEROMETER INITITATION       5       5         TOTAL MINUTES FOR HOME VISIT 1:       14       77.83         Child Uses Accelerometer       35       35         Collect Accelerometer       0       2         Dietary 24 hour Recall (ASA24)       0       30         PA Behavior Recall       0       15         Distribute Incentive       0       0         TOTAL MINUTES FOR HOME VISIT 2:       0       47         TOTAL MINS FOR ENHANCED PROTOCOL:       49       159.83         WEIGHT*       0.23       0.23	NUTRITION QUESTIONS       0       10.5       10.5         TOTAL SURVEY       0       30.5       30.5         ASSENT (child ≥8)       0       3.33       10         MED. RELEASE       0       0       0         ANTHROPOMETRICS (Height/Weight/Girth)       6       6       6         DISTRIBUTE INCENTIVE       3       3       3         3       3       3       3         Dietary 24 hour Recall (ASA24)       0       30       30         ACCELEROMETER INITITATION       5       5       5         TOTAL MINUTES FOR HOME VISIT 1:       14       77.83       84.5         Child Uses Accelerometer       0       2       2         Dietary 24 hour Recall (ASA24)       0       30       30         PA Behavior Recall       0       15       15         Distribute Incentive       0       0       0         TOTAL MINUTES FOR HOME VISIT 2:       0       47       47         TOTAL MINS FOR ENHANCED PROTOCOL:       49       159.83       166.5         WEIGHT*       0.23       0.23       0.23	NUTRITION QUESTIONS       0       10.5       10.5       13.5         TOTAL SURVEY       0       30.5       30.5       35.5         ASSENT (child ≥8)       0       3.33       10       10         MED. RELEASE       0       0       0       0         ANTHROPOMETRICS (Height/Weight/Girth)       6       6       6       6         DISTRIBUTE INCENTIVE       3       3       3       3         Dietary 24 hour Recall (ASA24)       0       30       30       30         ACCELEROMETER INITITATION       5       5       5       5         TOTAL MINUTES FOR HOME VISIT 1:       14       77.83       84.5       89.5         Child Uses Accelerometer       35       35       35       35         Collect Accelerometer       0       2       2       2         Dietary 24 hour Recall (ASA24)       0       30       30       30         PA Behavior Recall       0       15       15       15         Distribute Incentive       0       0       0       0         TOTAL MINUTES FOR HOME VISIT 2:       0       47       47       47         TOTAL MINUTES FOR HOME VISIT 2:       0       47

<sup>\*</sup>WEIGHT is calculated based upon the proportion of all children in each age range (e.g., of all the 13 children visited, 3 [1 child per age] are in the 3-5 age range).

## Parent/Caregiver Burden: Follow Up Survey (minutes)

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	AGE OF CHILD:	3-5 YEARS	6-8 YEARS	9-11 YEARS	12-15 YEARS		
	EXPOSURE/DEMO/MEDICAL/BEHAV.						
SURVEY	QUESTIONS**	8.5	8.5	8.5	6.5		
COMPONENTS	PHYSICAL ACTIVITY QUESTIONS	16	21	21	3		
	NUTRITION QUESTIONS	13.5	14.5	14.5	4		



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TOTAL SURVEY	38	44	44	13.5	
WEIGHT*	0.23	0.23	0.23	0.31	
WEIGHTED TOTAL	8.77	10.15	10.15	4.15	33.23

<sup>\*</sup>WEIGHT is calculated based upon the proportion of all children in each age range (e.g., of all the 78 children contacted, 18 [6 children per age] are in the 3-5 age range).

## **Child Burden: Follow Up Survey (minutes)**

	•				
	AGE OF CHILD:	3-5 YEARS	6-8 YEARS	9-11 YEARS	12-15 YEARS
	EXPOSURE/DEMO/MEDICAL/BEHAV. QUESTIONS**	0	2	2	4
SURVEY	PHYSICAL ACTIVITY QUESTIONS	0	18	18	18
COMPONENTS	NUTRITION QUESTIONS	0	10.5	10.5	13.5
	TOTAL SURVEY	0	30.5	30.5	35.5
	WEIGHT*	0.23	0.23	0.23	0.31
	WEIGHTED TOTAL	0.00	7.04	7.04	10.92

<sup>\*</sup>WEIGHT is calculated based upon the proportion of all children in each age range (e.g., of all the 78 children contacted, 18 [6 children per age] are in the 3-5 age range).

### Average Burden for All Parents/Caregivers (with Remote FU Survey)

	В	С	D	E
Dystocal Type	Avg Time for All Parents/Caregivers		Number of	
Protocol Type	Ava Nima	Avg Hr	Interviews*	Mins for All Interviews
	Avg Mins B / 60			BxD
Standard Protocol	70.73	1.18	16,945	1,198,532.88

<sup>\*\*</sup>NOTE: Excludes certain demographic questions from Standard Protocol

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Average Time per Parent/Caregiver per Interview:			68.68 mins	1.14 hrs
TOTAL			29,718	2,041,082.00
Follow-up Survey (40 RIPA+60 Non-RIPA)	33.23	0.55	9,360	311,040.00
Enhanced Protocol	155.73	2.60	3,413	531,509.12

<sup>\*</sup>Note: Number of interviews is calculated by multiplying the number of parents/caregivers interviewed in each community and under each protocol by the total number of communities to be visited.

# Average Burden for All Children (with Remote FU Survey)

	В	С	D	E
	Avg Time for All Children		Number of	
Protocol Type	Ava Mina	Avg Hr	Interviews*	Mins for All Interviews
	Avg Mins B / 60			BxD
Standard Protocol	40.15	0.67	16,945	680,406.92
Enhanced Protocol	139.38	2.32	3,413	475,719.69
Follow-up Survey (40 RIPA+60 Non-RIPA)	25.00	0.42	9,360	234,000.00
TOTAL			29,718	1,390,126.62
Average Time p	46.78 mins	0.78 hrs		

<sup>\*</sup>Note: Number of interviews is calculated by multiplying the number of children interviewed in each community and under each protocol by the total number of communities to be visited.