

Kent County Sample Disclaimer - April 23

1. Sample Size

This set of analyses were based on data of 2,327 valid responses from 1,460 households with young children. When questions are asked in multiple surveys, trend analyses by month were conducted. If the questions of interest were newly introduced to the survey in ongoing assessment 3, only snapshot analysis of the ongoing assessment 3 survey was conducted. Unless stated otherwise, analyses were based on the full sample. Missing responses (“NA” or un-answered questions) were excluded from analyses so percentages were only calculated based on valid responses.

The table below presents the dates & sample sizes of each survey

- SURVEYNUM 1, 3, 4, 6 were initial recruitment surveys, and SURVEYNUM 2, 5, 7 were ongoing assessment surveys.

```
## # A tibble: 7 × 5
##   SURVEYNUM Initial_recruitment Ongoing_assessment date_min  date_max
##   <dbl>          <dbl>          <dbl> <date>    <date>
## 1         1           512              0 2022-04-20 2022-05-06
## 2         2            0          183 2022-07-12 2022-07-27
## 3         3          230              0 2022-07-12 2022-07-26
## 4         4           52              0 2022-10-04 2022-10-20
## 5         5            0          145 2022-11-02 2022-11-13
## 6         6          661              0 2022-12-05 2023-01-04
## 7         7            0          539 2023-02-13 2023-02-26
```

2. Grouping variables for full sample of 1,460 participants

2.1 Race/ethnicity

All race/ethnicity categories

##	master_dem\$RaceGroup_cal	n	percent	valid_percent
##	American Indian/Alaska Native	38	0.026027397	0.026536313
##	Asian	45	0.030821918	0.031424581
##	Black/African American	196	0.134246575	0.136871508
##	Hispanic/Latino(a)	130	0.089041096	0.090782123
##	Multi-Race	13	0.008904110	0.009078212
##	Native Hawaiian/Pacific Islander	33	0.022602740	0.023044693
##	Non Hispanic/Latino(a) White	974	0.667123288	0.680167598
##	Other Races	3	0.002054795	0.002094972
##	<NA>	28	0.019178082	NA

Smaller race/ethnicity groups were combined into “Other minorities” category to ensure enough sample size

##	master_dem\$race_ethnic	n	percent	valid_percent
##	Black	196	0.13424658	0.13687151
##	Latinx	130	0.08904110	0.09078212
##	Other minorities	132	0.09041096	0.09217877
##	White	974	0.66712329	0.68016760
##	<NA>	28	0.01917808	NA

2.2 Material hardship status

Calculated based on reported material hardship. Families are classified as having material hardship if they report having difficulty paying for any one types of basic needs among food, housing, utilities, childcare, healthcare, and basic socio-emotional needs. For more details, see the disclaimer in the material hardship module.

```
## master_dem$mhardship  n    percent valid_percent
##           No hardship 565 0.38698630      0.4088278
##           With hardship 817 0.55958904      0.5911722
##           <NA>      78 0.05342466           NA
```

2.3 Poverty status

Calculated based on income and household size.

Note that income level data were only obtained in the ongoing assessment surveys; thus large number of missing data exist in the dataset.

```
## master_dem$poverty  n    percent valid_percent
##    a.Below 200%FPL  69 0.04726027      0.13269231
##    b.200-400%FPL  435 0.29794521      0.83653846
##    c.Above 400%FPL  16 0.01095890      0.03076923
##           <NA>    940 0.64383562           NA
```

2.4 Family structure

“Single parent” category includes below categories indicated by marital status

- Widowed
- Divorced
- Separated
- Never Married

“Dual parent” category includes below categories indicated by marital status

- Married
- Domestic partners

```
## master_dem$single    n    percent valid_percent
##      Dual parent 1310 0.897260274    0.90282564
##      Single parent  141 0.096575342    0.09717436
##              <NA>    9 0.006164384           NA
```

2.5 Child disability status

```
## master_dem$disability  n    percent valid_percent
##      With disability   19 0.0130137    0.03525046
##      Without disability 520 0.3561644    0.96474954
##              <NA>  921 0.6308219           NA
```

2.6 Community types

Zip codes included in each community type:

- City: 49501-49510, 49512, 49514-49519, 49523, 49546, 49548
- Rural east: 49301, 49302, 49325, 49311
- Rural north: 48809, 48838, 49306, 49319, 49326, 49330, 49341, 49343, 49345, 49544
- Rural south: 49315, 49316
- Suburbia: 49321, 49418, 49525, 49534

```
## master_dem$cmtype    n    percent valid_percent
##           City    755 0.51712329    0.57414449
##           Rural East   52 0.03561644    0.03954373
##           Rural North 283 0.19383562    0.21520913
##           Rural South  80 0.05479452    0.06083650
##           Suburbia   145 0.09931507    0.11026616
##           <NA>    145 0.09931507         NA
```

3. Grouping variables by surveys

3.1 Race/ethnicity

All race/ethnicity categories

##	RaceGroup_cal		1		2		3	
##	American Indian/Alaska Native		0.98%	(5)	0.55%	(1)	0.43%	(1)
##	Asian		2.15%	(11)	1.64%	(3)	0.87%	(2)
##	Black/African American		9.77%	(50)	12.57%	(23)	12.61%	(29)
##	Hispanic/Latino(a)		8.01%	(41)	9.29%	(17)	6.09%	(14)
##	Multi-Race		0.78%	(4)	1.09%	(2)	0.87%	(2)
##	Native Hwaiian/Pacific Islander		0.78%	(4)	0.00%	(0)	0.43%	(1)
##	Non Hispanic/Latino(a) White		75.78%	(388)	71.04%	(130)	77.83%	(179)
##	Other Races		0.20%	(1)	0.55%	(1)	0.43%	(1)
##	<NA>		1.56%	(8)	3.28%	(6)	0.43%	(1)
##	4		5		6		7	
##	1.92% (1)		0.00% (0)		4.69% (31)		5.38% (29)	
##	0.00% (0)		0.67% (1)		4.84% (32)		5.19% (28)	
##	21.15% (11)		10.67% (16)		16.04% (106)		16.70% (90)	
##	5.77% (3)		4.00% (6)		10.89% (72)		11.69% (63)	
##	1.92% (1)		0.67% (1)		0.91% (6)		0.00% (0)	
##	0.00% (0)		0.00% (0)		4.24% (28)		5.01% (27)	
##	65.38% (34)		79.33% (119)		56.43% (373)		53.62% (289)	
##	0.00% (0)		0.67% (1)		0.15% (1)		0.37% (2)	
##	3.85% (2)		4.00% (6)		1.82% (12)		2.04% (11)	

Smaller race/ethnicity groups were combined into “Other minorities” category to ensure enough sample size

##	race_ethnic		1		2		3		4	
##	Black		9.77%	(50)	12.57%	(23)	12.61%	(29)	21.15%	(11)
##	Latinx		8.01%	(41)	9.29%	(17)	6.09%	(14)	5.77%	(3)
##	Other minorities		4.88%	(25)	3.83%	(7)	3.04%	(7)	3.85%	(2)
##	White		75.78%	(388)	71.04%	(130)	77.83%	(179)	65.38%	(34)
##	<NA>		1.56%	(8)	3.28%	(6)	0.43%	(1)	3.85%	(2)
##	5		6		7					
##	10.67% (16)		16.04% (106)		16.70% (90)					
##	4.00% (6)		10.89% (72)		11.69% (63)					
##	2.00% (3)		14.83% (98)		15.96% (86)					
##	79.33% (119)		56.43% (373)		53.62% (289)					
##	4.00% (6)		1.82% (12)		2.04% (11)					

3.2 Material hardship status

Calculated based on reported material hardship. Families are classified as having material hardship if they report having difficulty paying for any one types of basic needs among food, housing, utilities, childcare, healthcare, and basic socioemotional needs. For more details, see the disclaimer in the material hardship module.

##	mhardship	1	2	3	4	
5						
##	No hardship	38.87% (199)	28.96% (53)	43.91% (101)	42.31% (22)	36.00% (54)
##	With hardship	54.69% (280)	70.49% (129)	46.52% (107)	38.46% (20)	60.67% (91)
##	<NA>	6.45% (33)	0.55% (1)	9.57% (22)	19.23% (10)	3.33% (5)
##	6	7				
##	36.76% (243)	25.79% (139)				
##	62.03% (410)	74.03% (399)				
##	1.21% (8)	0.19% (1)				

3.3 Poverty status

Calculated based on income and household size.

##	poverty	1	2	3	4	
5						
##	a.Below 200%FPL	5.08% (26)	12.02% (22)	6.96% (16)	5.77% (3)	21.33% (32)
##	b.200-400%FPL	8.40% (43)	18.03% (33)	12.17% (28)	5.77% (3)	34.67% (52)
##	c.Above 400%FPL	1.95% (10)	5.46% (10)	0.00% (0)	0.00% (0)	5.33% (8)
##	<NA>	84.57% (433)	64.48% (118)	80.87% (186)	88.46% (46)	38.67% (58)
##	6	7				
##	3.63% (24)	12.80% (69)				
##	54.61% (361)	80.71% (435)				
##	0.91% (6)	2.97% (16)				
##	40.85% (270)	3.53% (19)				

3.4 Family structure

“Single parent” category includes below categories indicated by marital status

- Widowed
- Divorced
- Separated
- Never Married

“Dual parent” category includes below categories indicated by marital status

- Married
- Domestic partners

##	single	1	2	3	4	
5						
##	Dual parent	87.70% (449)	92.35% (169)	84.35% (194)	75.00% (39)	90.00%
(135)						
##	Single parent	12.30% (63)	7.65% (14)	15.65% (36)	25.00% (13)	6.67%
(10)						
##	<NA>	0.00% (0)	0.00% (0)	0.00% (0)	0.00% (0)	3.33%
(5)						
##	6	7				
##	95.01% (628)	94.06% (507)				
##	4.39% (29)	5.75% (31)				
##	0.61% (4)	0.19% (1)				

3.5 Child disability status

##	disability	1	2	3	4
##	With disability	0.98% (5)	2.19% (4)	2.17% (5)	0.00% (0)
##	Without disability	15.43% (79)	34.43% (63)	17.83% (41)	13.46% (7)
##	<NA>	83.59% (428)	63.39% (116)	80.00% (184)	86.54% (45)
##	5	6	7		
##	6.00% (9)	1.36% (9)	3.53% (19)		
##	56.00% (84)	59.46% (393)	96.47% (520)		
##	38.00% (57)	39.18% (259)	0.00% (0)		

3.6 Community types

Zip codes included in each community type:

- City: 49501-49510, 49512, 49514-49519, 49523, 49546, 49548
- Rural east: 49301, 49302, 49325, 49311
- Rural north: 48809, 48838, 49306, 49319, 49326, 49330, 49341, 49343, 49345, 49544
- Rural south: 49315, 49316
- Suburbia: 49321, 49418, 49525, 49534

##	cmtype	1		2		3		4		
5										
##	City	49.80%	(255)	56.28%	(103)	48.26%	(111)	51.92%	(27)	44.00%
(66)										
##	Rural East	5.08%	(26)	3.28%	(6)	2.17%	(5)	7.69%	(4)	4.00%
(6)										
##	Rural North	22.07%	(113)	19.13%	(35)	20.00%	(46)	15.38%	(8)	24.00%
(36)										
##	Rural South	5.47%	(28)	6.01%	(11)	8.70%	(20)	1.92%	(1)	4.67%
(7)										
##	Suburbia	12.30%	(63)	14.21%	(26)	11.30%	(26)	11.54%	(6)	14.00%
(21)										
##	<NA>	5.27%	(27)	1.09%	(2)	9.57%	(22)	11.54%	(6)	9.33%
(14)										
##		6		7						
##	54.77%	(362)	51.58%	(278)						
##	2.57%	(17)	2.97%	(16)						
##	17.55%	(116)	18.92%	(102)						
##	4.69%	(31)	5.38%	(29)						
##	7.56%	(50)	9.09%	(49)						
##	12.86%	(85)	12.06%	(65)						