

Kent County Sample Disclaimer - August 23

1. Sample Size

This set of analyses were based on data of 3,358 valid responses from 1,822 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 4, only snapshot analysis of the ongoing assessment 4 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, 8 were initial recruitment surveys, and SURVEYNUM 2, 5, 7, 9 were ongoing assessment surveys.

```
## # A tibble: 9 × 5
##   SURVEYNUM Initial_recruitment Ongoing_assessment date_min  date_max
##   <dbl>          <dbl>          <dbl> <date>    <date>
## 1         1           492              0 2022-04-20 2022-05-06
## 2         2            0          170 2022-07-12 2022-07-27
## 3         3          222              0 2022-07-12 2022-07-26
## 4         4           49              0 2022-10-04 2022-10-20
## 5         5            0          124 2022-11-02 2022-11-13
## 6         6          579              0 2022-12-05 2023-01-04
## 7         7            0          480 2023-02-13 2023-02-26
## 8         8          475              0 2023-04-17 2023-05-01
## 9         9            0          762 2023-05-17 2023-05-30
```

2. Grouping variables for full sample of 1,822 participants

2.1 Race/ethnicity

All race/ethnicity categories

##	master_dem\$RaceGroup_cal	n	percent	valid_percent
##	American Indian/Alaska Native	101	0.055433589	0.056204786
##	Asian	89	0.048847420	0.049526989
##	Black/African American	268	0.147091109	0.149137451
##	Hispanic/Latino(a)	209	0.114709111	0.116304953
##	Multi-Race	13	0.007135016	0.007234279
##	Native Hawaiian/Pacific Islander	92	0.050493963	0.051196439
##	Non Hispanic/Latino(a) White	1023	0.561470911	0.569282137
##	Other Races	2	0.001097695	0.001112966
##	<NA>	25	0.013721186	NA

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

##	master_dem\$race_ethnic	n	percent	valid_percent
##	Black	268	0.14709111	0.1491375
##	Latinx	209	0.11470911	0.1163050
##	Other racial and ethnic groups	297	0.16300768	0.1652755
##	White	1023	0.56147091	0.5692821
##	<NA>	25	0.01372119	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  509 0.2793633      0.2918578
##           With hardship 1235 0.6778266      0.7081422
##                <NA>    78 0.0428101             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 data set.

```
## master_dem$poverty    n    percent valid_percent
##    a.Below 200%FPL  324 0.17782656      0.35064935
##    b.200-400%FPL  537 0.29473106      0.58116883
##    c.Above 400%FPL   63 0.03457739      0.06818182
##                <NA>  898 0.49286498             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 1675 0.919319429    0.92388307
##      Single parent  138 0.075740944    0.07611693
##              <NA>    9 0.004939627           NA
```

2.5 Child disability status

```
## master_dem$disability      n      percent valid_percent
##      With disability  151 0.08287596    0.08483146
##      Without disability 1629 0.89407245    0.91516854
##              <NA>    42 0.02305159           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	880	0.48298573	0.55979644
##	Rural East	68	0.03732162	0.04325700
##	Rural North	373	0.20472009	0.23727735
##	Rural South	82	0.04500549	0.05216285
##	Suburbia	169	0.09275521	0.10750636
##	<NA>	250	0.13721186	NA

3. Grouping variables by surveys

3.1 Race/ethnicity

All race/ethnicity categories

##	RaceGroup_cal		1		2		3	
##	American Indian/Alaska Native		1.02%	(5)	0.59%	(1)	0.45%	(1)
##	Asian		2.03%	(10)	1.18%	(2)	0.90%	(2)
##	Black/African American		10.16%	(50)	13.53%	(23)	12.16%	(27)
##	Hispanic/Latino(a)		8.13%	(40)	9.41%	(16)	6.31%	(14)
##	Multi-Race		0.81%	(4)	1.18%	(2)	0.90%	(2)
##	Native Hawaiian/Pacific Islander		0.81%	(4)	0.00%	(0)	0.45%	(1)
##	Non Hispanic/Latino(a) White		75.41%	(371)	70.59%	(120)	77.93%	(173)
##	Other Races		0.20%	(1)	0.59%	(1)	0.45%	(1)
##	<NA>		1.42%	(7)	2.94%	(5)	0.45%	(1)
##	4	5	6	7	8	9		
##	2.04%	(1)	0.00%	(0)	5.01%	(29)	5.83%	(28)
##	0.00%	(0)	0.00%	(0)	4.66%	(27)	5.00%	(24)
##	22.45%	(11)	10.85%	(14)	15.37%	(89)	15.83%	(76)
##	6.12%	(3)	3.88%	(5)	11.40%	(66)	11.67%	(56)
##	2.04%	(1)	0.78%	(1)	1.04%	(6)	0.00%	(0)
##	0.00%	(0)	0.00%	(0)	4.49%	(26)	5.21%	(25)
##	65.31%	(32)	79.07%	(102)	56.13%	(325)	53.96%	(259)
##	0.00%	(0)	0.78%	(1)	0.00%	(0)	0.21%	(1)
##	2.04%	(1)	4.65%	(6)	1.90%	(11)	2.29%	(11)

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

##	race_ethnic		1		2		3	
##	Black		10.16%	(50)	13.53%	(23)	12.16%	(27)
##	Latinx		8.13%	(40)	9.41%	(16)	6.31%	(14)
##	Other racial and ethnic groups		4.88%	(24)	3.53%	(6)	3.15%	(7)
##	White		75.41%	(371)	70.59%	(120)	77.93%	(173)
##	<NA>		1.42%	(7)	2.94%	(5)	0.45%	(1)
##	4	5	6	7	8	9		
##	22.45%	(11)	10.85%	(14)	15.37%	(89)	15.83%	(76)
##	6.12%	(3)	3.88%	(5)	11.40%	(66)	11.67%	(56)

(113)
4.08% (2) 1.55% (2) 15.20% (88) 16.25% (78) 37.05% (176) 29.27%
(223)
65.31% (32) 79.07% (102) 56.13% (325) 53.96% (259) 25.68% (122) 35.96%
(274)
2.04% (1) 4.65% (6) 1.90% (11) 2.29% (11) 0.00% (0) 1.44%
(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	38.62% (190)	27.06% (46)	40.09% (89)	42.86% (21)	31.01% (40)
##	With hardship	54.88% (270)	72.94% (124)	50.00% (111)	36.73% (18)	65.12% (84)
##	<NA>	6.50% (32)	0.00% (0)	9.91% (22)	20.41% (10)	3.88% (5)
##	6	7	8	9		
##	26.08% (151)	13.96% (67)	12.21% (58)	8.79% (67)		
##	72.71% (421)	85.83% (412)	87.37% (415)	91.21% (695)		
##	1.21% (7)	0.21% (1)	0.42% (2)	0.00% (0)		

3.3 Poverty status

Calculated based on income and household size.

##	poverty	1	2	3	4	
5						
##	a.Below 200%FPL	13.01% (64)	32.94% (56)	10.36% (23)	10.20% (5)	31.01% (40)
##	b.200-400%FPL	14.63% (72)	37.65% (64)	12.61% (28)	8.16% (4)	37.98% (49)
##	c.Above 400%FPL	8.74% (43)	20.59% (35)	3.60% (8)	0.00% (0)	23.26% (30)
##	<NA>	63.62% (313)	8.82% (15)	73.42% (163)	81.63% (40)	7.75% (10)
##	6	7	8	9		
##	16.58% (96)	29.17% (140)	28.63% (136)	32.41% (247)		
##	43.87% (254)	64.79% (311)	37.68% (179)	62.34% (475)		
##	0.69% (4)	3.54% (17)	1.68% (8)	3.54% (27)		
##	38.86% (225)	2.50% (12)	32.00% (152)	1.71% (13)		

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	87.40% (430)	92.35% (157)	85.14% (189)	73.47% (36)	89.15%
(115)						
##	Single parent	12.60% (62)	7.65% (13)	14.86% (33)	26.53% (13)	6.98%
(9)						
##	<NA>	0.00% (0)	0.00% (0)	0.00% (0)	0.00% (0)	3.88%
(5)						
##	6	7	8	9		
##	96.37% (558)	95.62% (459)	97.26% (462)	97.38% (742)		
##	2.94% (17)	4.17% (20)	2.74% (13)	2.49% (19)		
##	0.69% (4)	0.21% (1)	0.00% (0)	0.13% (1)		

3.5 Child disability status

##	disability	1	2	3	4
##	With disability	11.59% (57)	11.76% (20)	11.26% (25)	10.20% (5)
##	Without disability	84.96% (418)	88.24% (150)	87.39% (194)	89.80% (44)
##	<NA>	3.46% (17)	0.00% (0)	1.35% (3)	0.00% (0)
##	5	6	7	8	9
##	16.28% (21)	5.18% (30)	4.38% (21)	7.16% (34)	4.07% (31)
##	79.84% (103)	92.23% (534)	94.38% (453)	92.42% (439)	95.28% (726)
##	3.88% (5)	2.59% (15)	1.25% (6)	0.42% (2)	0.66% (5)

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	49.59% (244)	55.29% (94)	48.65% (108)	51.02% (25)	42.64% (55)
##	Rural East	4.88% (24)	2.94% (5)	1.80% (4)	8.16% (4)	3.10% (4)
##	Rural North	22.97% (113)	21.18% (36)	20.27% (45)	14.29% (7)	27.91% (36)
##	Rural South	5.28% (26)	5.29% (9)	9.46% (21)	2.04% (1)	4.65% (6)
##	Suburbia	12.60% (62)	14.71% (25)	11.26% (25)	12.24% (6)	14.73% (19)
##	<NA>	4.67% (23)	0.59% (1)	8.56% (19)	12.24% (6)	6.98% (9)
##	6	7	8	9		
##	53.89% (312)	50.42% (242)	40.21% (191)	48.29% (368)		
##	2.59% (15)	3.12% (15)	4.42% (21)	3.81% (29)		
##	17.62% (102)	20.00% (96)	22.32% (106)	16.93% (129)		
##	4.84% (28)	5.62% (27)	1.26% (6)	3.94% (30)		
##	8.29% (48)	9.58% (46)	5.89% (28)	8.66% (66)		
##	12.78% (74)	11.25% (54)	25.89% (123)	18.37% (140)		