

National College of Ireland

# Assessing the Effectiveness of a Prevention-Focused Programme: A Comparative Study against National Norms.

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**GUI Conference 2023** 

Supporting parents, communities and schools in the education of children



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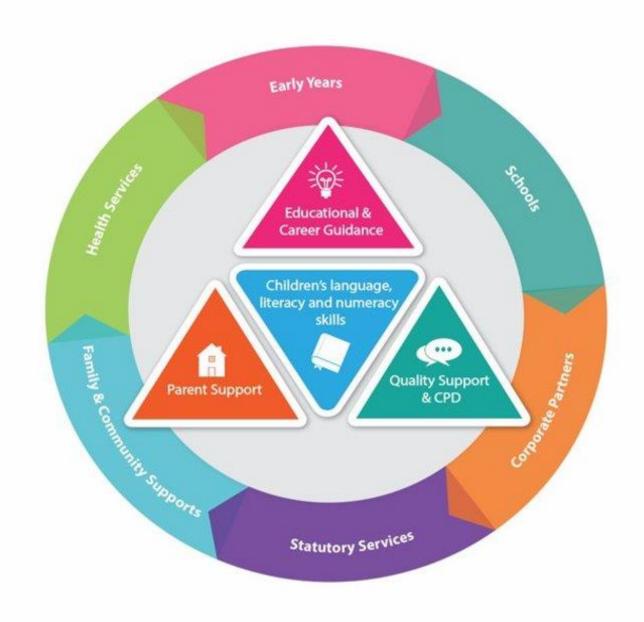


# Working in partnership

to enable children, young people and their families

to develop the dispositions, skills and knowledge needed

to achieve their educational, career and life goals



# 0-2 Home Visiting Programme



### **Research Aims**

- •The primary aim of this project is to explore whether infants from an area of socio-economic disadvantage ("SED") differ in terms of certain early developmental outcomes, as compared to national norms. It is hypothesised that the SED infants will demonstrate reduced outcomes in this respect when compared to their national counterparts.
- •A secondary aim of this project is to explore whether an early intervention ("0-2 Years Programme"), delivered to the parents of the SED infants, succeeds in closing this disadvantage gap and brings the SED children's development and wellbeing closer to national norms.

# **Participants**

#### **ELI Sample:**

Parents/caregivers and their infants engaging in the 0-2 Home Visiting Programme.

#### **GUI Sample:**

Infants registered on the Child Benefit Register as having been born between 1st December 2007 and 30th June 2008. 11,134 families took part in the survey between September 2008 and March/April 2009 when their infant was 9 months of age.



# **Study Design**

- Quantitative data was collected through online questionnaires pre-and postprogramme.
- Most questions were modelled on measures used as part of the GUI study with the 9-month-old cohort. Draws from the three domains of child outcomes which form the focus of the GUI study, namely physical health and development; social/emotional/behavioural wellbeing; educational achievement, intellectual capacity and cognitive development.
- Participants were asked to provide information on the following:
  - Family Demographics
  - Employment & Education of Parents/Caregivers
  - Support of parents by family and friends
  - Infant health and physical development / Infant hospital admissions / Infant's sleep habits/Birth weight / Breastfeeding
  - Playing and Learning

# **Analysis**

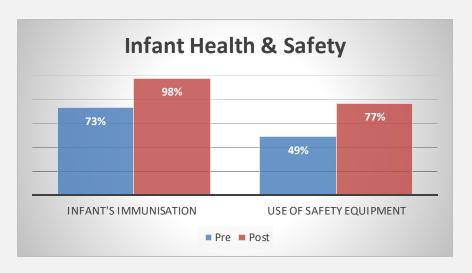
- Descriptive statistics were employed to provide a general description of the characteristics of the 0-2 families.
- We wanted to explore differences within the 0-2 Programme families at Time 1 and Time 2; group difference between the GUI families and the 0-2 2 Programme families at Time 1; group difference between the GUI families and the 0-2 Programme families at Time 2.
- Paired sample t-tests were conducted to compare different metrics of ELI's cohort pre- and post-intervention.
- Independent sample t-tests were conducted to compare different metrics of ELI's cohort pre- and post-intervention and the GUI's 9-month cohort data.

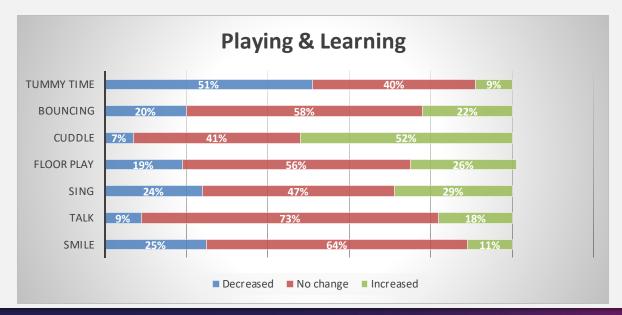
# **0-2 Family Demographics**

	Parent/Caregiver Employment			Parent/Caregiver Education					Average age of infant		Gender of infant	
	Homemaker	Employed	Unemployed	Primary	Junior cert	Leaving cert	Primary degree	Postgrad studies	Pre-study (N=90	Post-study (N=54)	Male	Female
%	36	47	16	2	8	21	24	45	-	_	48	3 46
months	;-	-	-						6.8	16.	7-	-



# Findings: ELI Pre and Post Data Comparison





#### Findings: ELI Pre Data Compared to GUI 9 Month Data

Metric	M	SD	df	t	P	Cohen's d	95% CI
Partner Present in Home(Y/N) ELI (N=85)		.32	11217	.12	.901		
GUI (N=11134)		.33					
Caretaker Sleep (Hours) ELI (N=86)	6.6	1.35	11196	-5.06	<.001	55	-1.07, -47
GUI (N=11112)		1.41					
Caretaker Health (5-Point Likert Scale: Excelent-Poor) ELI (N=86)	2.47	1.01	85.92	3.42	<.001	.44	.17, .64
GUI (N=11133)		.92					
Was baby ever breastfed? (Y/N) ELI (N=88)	1.26	.47	88.52	-2.71	.008	28	24,04
GUI (N=11131)		.49					
Breastfeeding at Time of	1.34	.48	66.8	-8.48	<.001	-1.35	61,38
Assessment (Y/N) ELI (N=67)							
GUI (N=6518)		.37	4.7				222 5 554 50
How old when baby stopped being breastfed (Days) ELI (N=18)	520.83	430.51	17	4.31	<.001	6.43	223.5,651.69
GUI (N=5116)	83.24	63.49					
Baby Regularly Eating Solid Food (Y/N) ELI (N=65)	1.68	2.85	64	1.9	.062		
GUI (N=10935)		.08					
How old was baby when regularly eating solid food (Days) ELI (N=49)	633.06	148.15	48.03	23.02	<.001	12.49	447.68, 533.38
GUI (N=10845)	142.53	38.1					
(Daytime) Hours Baby Sleeps	3.59	2.39	81.2	4.35	<.001	1.15	.62, 1.67
(Dayunne) nours Baby Steeps  ELI (N=82)		2.59	61.2	4.33	<.001	1.15	.02, 1.07
GUI (N=11125)		.98					
(Nighttime) Hours Baby Sleeps	9.61	2.24	82.5	-3.82	<.001	45	-1.43, -45
ELI (N=83)							
GUI (N=11108)		1.44					
Waking Baby for Feeding at Night (3-Point Likert Scale: Usually, Sometimes, Not at all) ELI (N=86)	2.74	1.1	85.16	-1.48	.143		
GUI (N=11128)	2.91	.38					
Irritation from Baby Crying (5-Point Likert Scale: Never–Always) ELI (N=87)	2.79	1.06	86.92	7.17	<.001	.93	.59, 1.04
GUI (N=11130)		.87					
Baby Fully Vaccinated (Y/N)	.74	.44	85.51	3.7	<.001	.64	.43, .85
ELI (N=86)	1.00	27					
GUI (N=11134 ) Hospitalized in the last year? (Y/N) ELI (N=53)	1.08	.27	84.59	-5.26	<.001	84	39,18
			07.33	5.20	V001	.04	.55, 116
GUI (N=11129) Baby's health at birth (4-Point Likert Scale) ELI (N=83)	1.87	.36 .54	11209	1.03	.303		
baby 3 heard at arter (4 rollit Likelt Stale) Ltl (14-83)	1.5	.54	11203	1.03	.503		
GUI (N=11128)		.54					
Baby's current health (4-Point Likert Scale) ELI (N=86)	1.21	.41	11176	.55	.580		
GUI (N=11092)	1.18	.42					

# Findings: ELI Pre Data Compared to GUI 9 Month Data



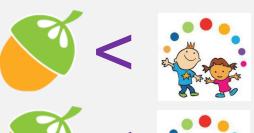
ELI cohort caregiver got on average **less sleep** (roughly 46 minutes less a night on average)



ELI cohort had higher overall rates of **breastfeeding** at time of data collection (ELI = 65.7% breastfeeding, GUI = 16%)



ELI cohort was also found to have higher rates of **infant hospitalizations** (ELI = 41.2% hospitalizations, GUI = 12.9%)



ELI cohort **caretaker health** was found on average worse (between very good and good, compared to very good in the 5-point Likert scale)



#### Findings: ELI Post Data Compared to GUI 9 Month Data

Secretaries Steep (Hours)   \$23 (Ne-Sc)   \$0.00 (Ne-Sc)   \$1.10   \$1.00   \$1.10   \$1.00   \$1.10   \$1.00   \$1.10   \$1.00   \$1.10   \$1.00   \$1.10   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1.00   \$1	Metric	М	SD	df	t	Р	Cohen's d	95% CI
Caretaker Health (S-Point Libert Scale: Excellent-Proor)   LU (Ne-S3)   2.6   1.03   11184   4.27   < 0.001   59   2.9779	Caretaker Sleep (Hours) ELI (N=54)	6.59	1.13	11164	-4.04	<.001	55	-1.15,4
Considerate (1/N)   EU (N-47)   EU (N-518)   EU (N-52)   EU (N-52)   EU (N-52)   EU (N-52)   EU (N-52)   EU (N-52)   EU (N-53)   EU (N-52)   EU (N-53)   EU (N-53)   EU (N-52)   EU (N-53)   EU (N-53)   EU (N-54)   EU (N-52)   EU (N-53)   EU (N-54)   EU (N-54)   EU (N-54)   EU (N-54)   EU (N-55)   EU (N-5	GUI (N=11112)	7.37	1.41					
### Provided Baby Regularly Eating Solid Food (17/h)   ELI (N=52)   1.01   0.8   0.01   0.1   0.8   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01   0.01	Caretaker Health (5-Point Likert Scale: Excellent–Poor) ELI (N=53)	2.6	1.03	11184	4.27	<.001	.59	.29, .79
Assessment (Y/N) EU (N-27)  GUI (N-102)  GUI (N-102)  GUI (N-102)  GUI (N-102)  GUI (N-102)  1.01  GUI (N-102)  1.02  A44  98  GUI (N-102)  GUI (N-1012)  GUI (N-1012)  GUI (N-1012)  GUI (N-1012)  GUI (N-1012)  1.05  1.04  GUI (N-1012)  1.05  GUI (N-1012)  1.06  GUI (N-1012)  1.07  SABAY GUINA GUI	GUI (N=11133)	2.07	.92					
Baby Regularly Eating Solid Food (Y/N)   102   14   51.16   .67   .508	Breastfeeding at Time of	1.36	.49	46.38	-6.74	>.001	-1.3	62,34
Buby Regularly Eating Solid Food (V/N)								
Bil (N=52)    Coul (N=10935)   1.01   .08								
Copyrime   Hours Baby Sleeps EU (N=53)   2.54   2.24   52.1   3.3   .743		1.02	.14	51.16	.67	.508		
Copyrime   Hours Baby Sleeps EU (N=53)   2.54   2.24   52.1   3.3   .743	CH (N. 10035)	4.04	00					
Coli (N=11125)   2.44   98   11176   .74   .459   .74   .459   .74   .459   .74   .459   .74   .459   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74   .74				F2 4	22	742		
Nighttime  Hours Baby Sleeps EU (N=54)   10.11   1.89   11176   .74   .459				52.1	.55	.743		
GUI (N=11108)   10.55   1.44     1.87   1.87   1.67   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.87   1.								
Section   Sect				11176	.74	.459		
Baby's Current Health (Y/N)  GUI (N=11128)  GUI (N=11128)  2.91  3.8  1.91  3.8  5.2.7  3.85  4.001  7.72  3.95  3.95  1.18  5.2.7  3.85  4.001  7.72  3.95  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  7.72  3.95  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001  4.001								
Irritation from Baby Crying (5-Point Likert Scale: Never-Always)   ELI (N=53)   2.6   1.18   52.27   3.85   <.001   .72   3.95		2.77	.54	52.24	-1.87	.067		
GUI (N=11130) 1.98 .87  Baby Fully Vaccinated (Y/N) EU (N=53) 1.04 .19 53 -1.61 .113  GUI (N=11134) 1.08 .27  Hospitalized in the last year? (Y/N) EU (N=53) 1.64 .48 52.28 -3.45 .001 -6836, -1  GUI (N=11129) 1.87 .36  Baby's Current Health (Y/N) 1.23 .47 11143 .73 .466	GUI (N=11128)	2.91	.38					
Baby Fully Vaccinated (Y/N) EU (N=53)  1.04 1.19 53 -1.61 1.113  GUI (N=11134) 1.08 2.7  Hospitalized in the last year? (Y/N)  BU (N=53) 1.64 4.8 52.28 -3.456836, .1  Baby's Current Health (Y/N)  EU (N=53)  1.23 4.7 11143 7.3 4.66	Irritation from Baby Crying (5-Point Likert Scale: Never–Always) ELI (N=53)	2.6	1.18	52.27	3.85	<.001	.72	.3, .95
GUI (N=11134) 1.08 .27  Hospitalized in the last year? (Y/N) ELI (N=53) 1.64 .48 52.28 -3.45 .0016836, .1  GUI (N=11129) 1.87 .36  Baby's Current Health (Y/N)		1.98	.87					
Hospitalized in the last year? (Y/N)  GUI (N=11129)  1.64  .48  52.28  -3.45  .001 68 36,1  Baby's Current Health (Y/N)  ELI (N=53)  ELI (N=53)	Baby Fully Vaccinated (Y/N) ELI (N=53)	1.04	.19	53	-1.61	.113		
GUI (N=11129) 1.87 .36  Baby's Current Health (Y/N) 1.23 .47 11143 .73 .466  EU (N=53)		1.08	.27					
Baby's Current Health (Y/N) 1.23 .47 11143 .73 .466 ELI (N=53)	Hospitalized in the last year? (Y/N) ELI (N=53)	1.64	.48	52.28	-3.45	.001	68	36,1
EU (N=53)	GUI (N=11129)	1.87	.36					
		1.23	.47	11143	.73	.466		
		1.18	.42					

# Findings: ELI Post Data Compared to GUI 9 Month Data



ELI cohort caregiver got on average **less sleep** (roughly 47 minutes less a night on average) (Consistent pre and post)



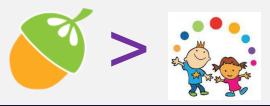
ELI cohort had higher overall rates of **breastfeeding** at time of data collection (ELI = 61.7% breastfeeding, GUI = 16%) (Consistent pre and post)



ELI cohort had higher rates of **infant hospitalizations** (ELI = 35.8% hospitalizations, GUI = 12.9%) (*Consistent pre and post*)



ELI cohort **caretaker health** was found on average worse (Consistent pre and post)



ELI cohort had higher rates of **vaccinations**. (ELI 74.4% vaccinations, GUI 12.9%) may be due to avg. age difference (ELI 6.8 mos vs GUI 9 mos), as post there was no significant difference.

### Conclusion

The findings of this study highlight the need for support to families and infants in SED areas, as the 0-2 families scored below the national average in multiple indicators.

We observed the programme's ability to alter parental behavioural with their child and believe that with sustained intervention these may lead to changes in child development.

The findings have implications within policy as investments in early childhood interventions to help to enhance conditions for SED children in-turn improving social disadvantage

Lessons learned from this process will assist ELI in conducting future comparisons with GUI data.



# Thank you!

# Any questions?



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