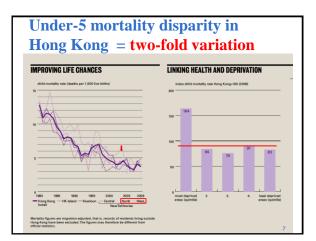
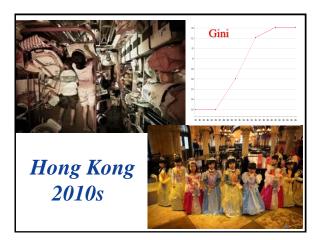


International C	S國兒童貧窮 Comparison		rty Rate
國家/ 地區 Country / Region	兒童貧窮率 Child Poverty Rate	國家/ 地區 Country / Region	兒童貧窮率 Child Poverty Rate
香港 Hong Kong	28.3%	荷蘭 Netherlands	9.8%
墨西哥 Mexico	27.0%	盧森堡 Luxemburg	9.1%
美國 United States	21.9%	德國 Germany	9.0%
意大利 Italy	16.6%	匈牙利 Hungary	8.8%
英國 United Kingdom	15.4%	比利時 Belgium	7.7%
加拿大 Canada	14.9%	瑞典 Sweden	4.2%
波蘭 Poland	12.7%	挪威 Norway	3.4%
奧地利 Austria	10.2%	芬蘭 Finland	2.8%

Social E)eve	lop	men	t In	dex	
			Raw Data	原始数据		
Child Situation 充重款现分类指数	2000	2002	2004	2006	2008	2010
居住於銀收入住戶的0-14歲兒童倍該組 別人口的百分比(-) Poverty	26. 0	27, 2	25, 8	25, 8	25, 3	23. 9
居住於單親家庭的兒童佔總兒童人載的 百分比(-) Single families	5.5	6.6	7.8	8.1	8.7	9.1
0-4歲兒童的死亡人數(每十萬名) (-) Under-5 mortality	71. 9	61.6	62. 4	72. 3	77.5	80. 6
2-6歲兒童八讀幼稚園或幼兒中心學生 人數 (每十萬名)(+) Pre-school education	60, 381	62, 904	67271	57, 722	58, 087	60, 512
)-17歲人口的處兌個案數目(每十萬名) (-) Child maltreatment rate	36, 2	39, 8	49. 9	67. 3	77. 3	90. 7
已接受三重疫苗注射的兒童佔總兒童人 口百分比(+)Immunization rate	89. 5	86.4	79.8	95	95	95
10-15歲兒童的被捕人數(每十萬名) (-) Arrest	1, 164. 5	991.3	971.1	907.8	882. 9	830.9

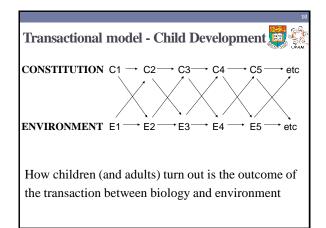


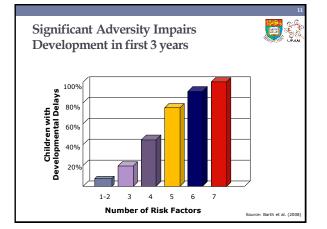


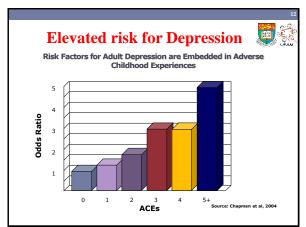
Neuroscience of Brain Development

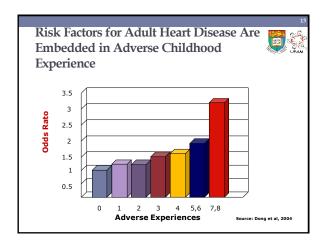
- Brain is changed by experiences - early years of life impacts on long term outcomes (life course)
- Relationships program social - emotional function development

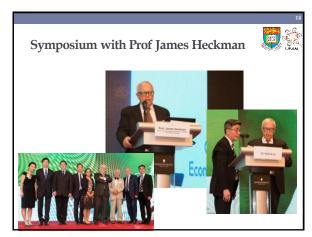


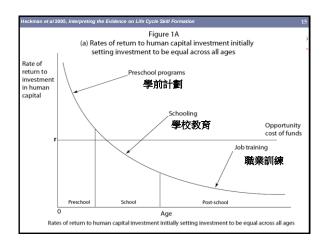


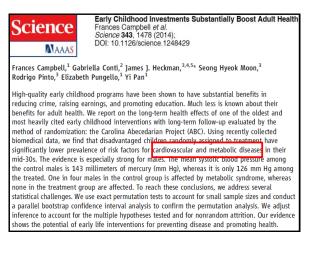








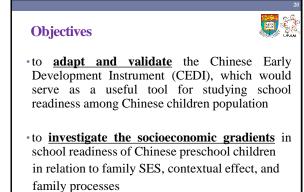






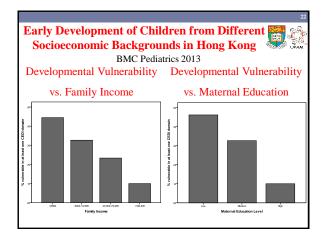


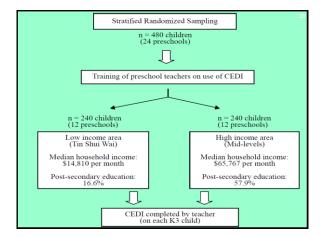






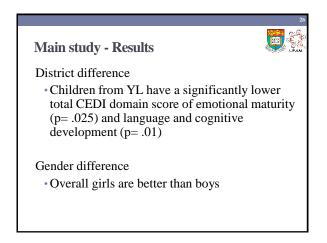
Methods: One hundred and sixty-seven children were purposefully sampled from kindergartens in two districts with very different socioeconomic statuses. The CEDI was assessed for concurrent validity, internal consistency and test-retest reliability. The developmental vulnerability identified using the CEDI scores was further examined in reliation to the socioeconomic status of the district and family.

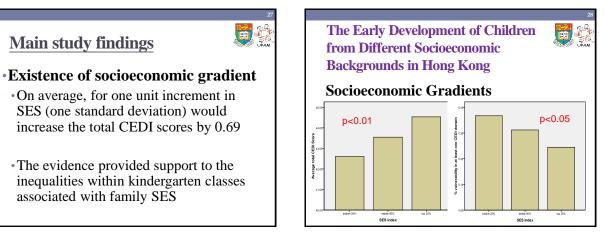


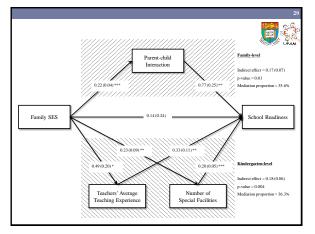


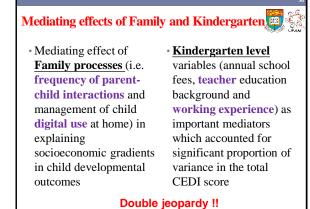


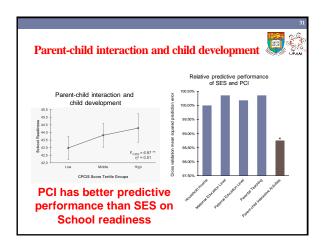
ELSEVIER	Contents lists evaluate at ScienceOrest Early Childhood Research Quarterly	
children: The mediati quality Patrick Ip ^{2,4} , Nirmala Rao ^b , Chun-bong Chow ³ , Fan Jian Jogermer of Poelutics and Adviscent Me Faculty of Advanto, The University of Hong Scale Sience Research Corent, The University	or the University of Hong Kong 14. New Clinical Bailding, Queen Mary Hongstad, Polylaim, Hong Kong Jong Boom 713. Meng Web Complex, The University of Hong Kong, Polylaim, Hong Kong or Hong Kong, R. The Inder (ND: Tween: Holdiam, Hong Kong	
A R T I C L E I N F O	A B S T R A C T	
Arnale Instary: Received 31 July 2014 Received in neviced form 15 October 2015 Available online xxx	The current study examined the effects of sociaeconomic status (SIS) on the school readiness of Ob- nees prechool children in Hong Korg, A total of 60 teachers from 20 indergratens in both rich and poor districts in Hong Korg rate the choid readiness of 550 prechool children using the Chanse ve- sion of the Early Development Instrument. Information about home learning activities and kindegraten characteristics was obtained from parents and prechool stachers, respectively. The results indicated a	
Reywords: School readiness Socioeconomic gradients Early Development Instrument Chanese	gradient relationship between SES and total EU scores, with childen from higher-SES families rated as brieg very may here should one more domains of the Chinese version of the Aray Development Instru- ment than those from lower-SES families. Hone learning activities (reading and restrational activities) and tacabere superince and takingerants facilities arguitactive metalated the occioeconomic gradient effects. These findings highlight that efforts are much needed in tackling the developmental disparity and the promotion of heters parent-child interaction. Leader quality, and disposition of heter parent-child interaction. Leader quality, and the growthing of the set of	

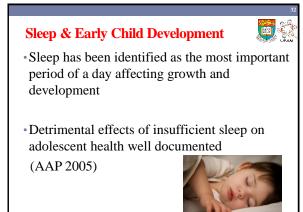




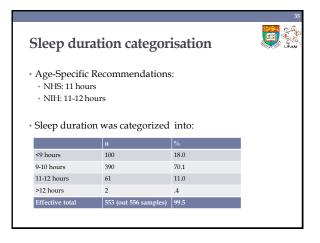


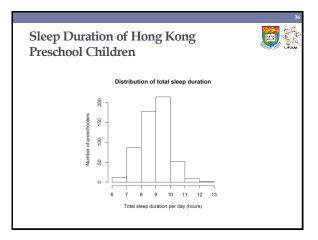


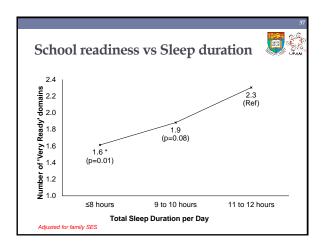


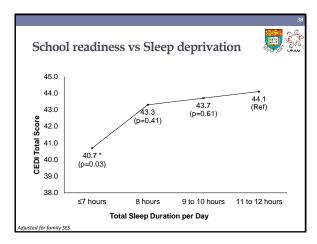




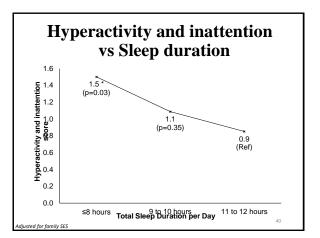


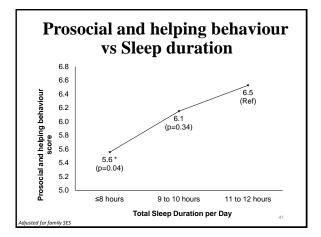


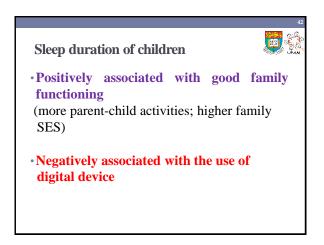




	β	9	5% CI	
CEDI score in emotional				
11 to <13 hours 9 to <11 hours	-0.22	-0.57	Reference 0.13	
9 to <11 hours 8 to <9 hours	-0.22	-0.57	0.13	
8 to <9 hours Less than 8 hours	-0.36	-0.78	-0.30	0
CEDI score in language/cogni		-1.85	-0.50	0.0
11 to <13 hours	0		Reference	
9 to <11 hours	-0.19	-0.51	0 14	0.20
8 to <9 hours	-0.19	-0.51	0.14	0.26
8 to 59 nours Less than 8 hours	-0.14	-0.55	-0.37	0.49
Total CEDI score	-1.09	-1.01	=0.37	0.003
11 to <13 hours	0		Reference	
9 to <11 hours	-0.39	-1.88	1.11	0.61
8 to <9 hours	-0.79	-2.61	1.02	0.39
Less than 8 hours	-3.40	-6.70	-0.10	0.04







Sleep and Child Development



- Children are most ready for school when they have **optimal sleep duration**
- The less hours children sleep, the lower are their school readiness; this is particularly true for children from wealthy families
- Sleep deprivation in children increases risk of vulnerability in school readiness

Digital Device Use & School Readiness

TV in child's bedroom is associated with lower school readiness overall (2.34 score lower) and in all EDI domains

Parental control of watching TV is protective for language domain



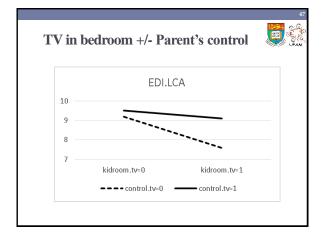


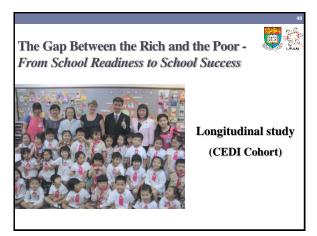
PC (desktop/notebook) in child's bedroom is associated with lower school readiness in language and emotional domain • Parental control of PC use is protective for language domain

Smartphone ownership is associated with lower school readiness in physical health and well-being domain



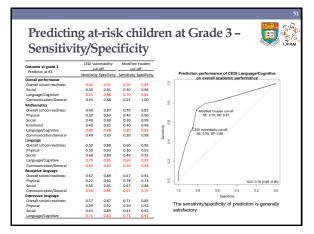
SES							
"Very Re	ady" in Physical hea	lth and	wellbeing	"Very	Ready" in Language	/cognitiv	e ability
	Odds ratio				Odds ratio		
SES	(95% CI)	Р		SES	(95% CI)	Р	
Low	0.14 (0.04-0.49)	0.002	Harmful	Low	0.30 (0.13-0.70)	0.006	Harmful
Middle	0.58 (0.28-1.18)	0.133	No effect	Middle	0.49 (0.26-0.93)	0.028	Harmful
High	1.72 (0.60-4.94)	0.314	No effect	High	3.92 (0.85-18.08)	0.079	No effect

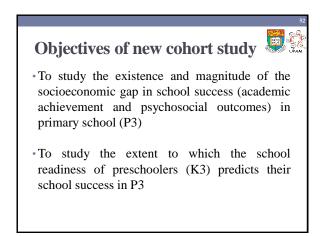




Grade 3 ac	, autoritie	PY		mance					
		-	~	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	Overall			Mathemati			Language		
	B (95% CI)	Р	ΔR ²	B (95% CI)	P	ΔR ²	β (95% CI)	P	ΔR ²
Step 1 - Baseline models	p (3576 cl)		0.16	p(somel)		0.18	providen		0.11
				5.59 (-1.67 to 12.84)			4.18 (-4.44 to 12.79)		
Age	4.88 (-2.43 to 12.19)								
Age Gender (0=Female, 1=Male)	4.88 (-2.43 to 12.19) -2.68 (-8.10 to 2.74)			-1.96 (-7.34 to 3.42)			-3.40 (-9.79 to 2.99)		
Gender (0=Female, 1=Male) Family income	-2.68 (-8.10 to 2.74) 1.21 (0.55 to 1.87)			-1.96 (-7.34 to 3.42)			-3.40 (-9.79 to 2.99)		
Gender (0=Female, 1=Male) Family income	-2.68 (-8.10 to 2.74) 1.21 (0.55 to 1.87)		0.08	-1.96 (-7.34 to 3.42)		0.06	-3.40 (-9.79 to 2.99)		0.08
Gender (0=Female, 1=Male) Family income Step 2 - Additional predictors	-2.68 (-8.10 to 2.74) 1.21 (0.55 to 1.87)		0.08	-1.96 (-7.34 to 3.42) 1.35 (0.70 to 2.01)		0.06	-3.40 (-9.79 to 2.99) 1.07 (0.29 to 1.85)		0.08
Gender (0=Female, 1=Male) Family income Step 2 - Additional predictors Overall school readiness	-2.68 (-8.10 to 2.74) 1.21 (0.55 to 1.87)			-1.96 (-7.34 to 3.42) 1.35 (0.70 to 2.01) 0.55 (0.15, 0.95)		0.06	-3.40 (-9.79 to 2.99) 1.07 (0.29 to 1.85)		0.08
Gender (0=Female, 1=Male) Family income Step 2 - Additional predictors Overall school readiness Physical	-2.68 (-8.10 to 2.74) 1.21 (0.55 to 1.87) 0.66 (0.26, 1.06)		-	-1.96 (-7.34 to 3.42) 1.35 (0.70 to 2.01) 0.55 (0.15, 0.95) 1.00 (-1.30, 3.31)		0.06	-3.40 (-9.79 to 2.99) 1.07 (0.29 to 1.85) 0.77 (0.30, 1.23)		
Gender (0=Female, 1=Male) Family income Step 2 - Additional predictors Overall school readiness Physical Social	-2.68 (-8.10 to 2.74) 1.21 (0.55 to 1.87) 0.66 (0.26, 1.06) - 1.59 (0.15, 3.02)		0.04	-1.96 (-7.34 to 3.42) 1.35 (0.70 to 2.01) 0.55 (0.15, 0.95) 1.00 (-1.30, 3.31) 1.37 (-0.06, 2.80)		0.06	-3.40 (-9.79 to 2.99) 1.07 (0.29 to 1.85) 0.77 (0.30, 1.23) 1.80 (0.11, 3.49)		

Predi	icting at-ris	k childro	en at Gr	ade 3	
		Overall performance	Mathematics	Language	
		AUC (95% CI) P	AUC (95% CI) P	AUC (95% CI) P	
	Overall School Readiness	0.70 (0.56-0.84) **	0.82 (0.70-0.94) ***	0.75 (0.57-0.94) **	
	Physical	0.63 (0.48-0.77)	0.78 (0.64-0.91) ***	0.73 (0.59–0.87) **	
	Social	0.66 (0.52-0.79) *	0.77 (0.64-0.91) ***	0.76 (0.61-0.91) ***	
	Emotional	0.57 (0.43-0.72)	0.69 (0.51-0.87) *	0.65 (0.43-0.86)	
	Language/Cognitive	0.78 (0.65-0.90) ***	0.84 (0.69-0.98) ***	0.75 (0.54-0.96) *	
	Communication/General	0.70 (0.56-0.84) **	0.72 (0.54-0.89) *	0.71 (0.52-0.90) *	

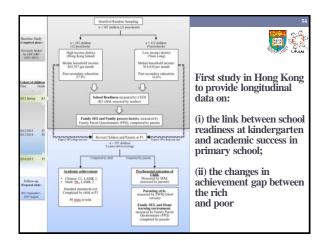


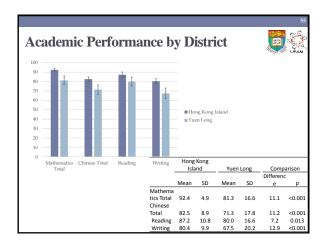


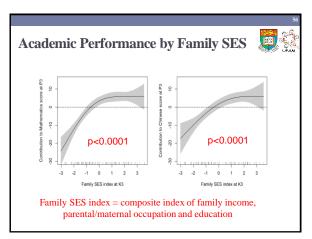
Objectives

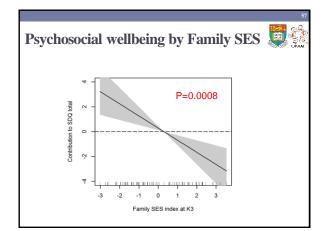


- To examine the extent to which the socioeconomic gap observed in K3 is attenuated or intensified during formal schooling
- To investigate the dynamic of changes in gaps at the two time points in relation to family process related factors (e.g., parenting styles and the home learning environment)

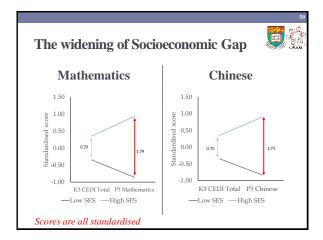


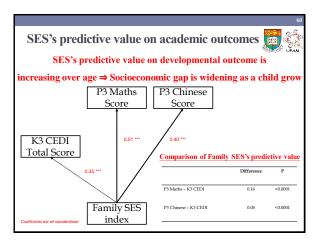




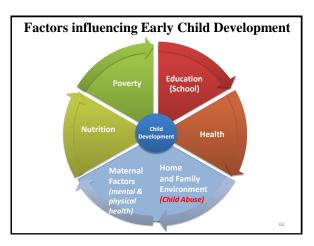


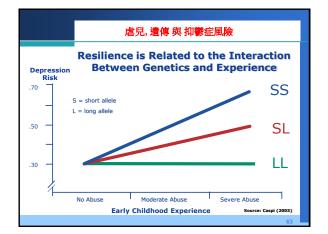
the socioeconomi arrowed over time				
	S	ES		
	Low	High	Difference	р
CEDI Total	-0.35	0.35	0.70	0.0002
Physical	-0.32	0.32	0.64	0.0009
Social	-0.31	0.31	0.62	0.001
Emotional	-0.20	0.21	0.41	0.03
Language/cognitive	-0.33	0.33	0.66	0.0006
Communication/general	-0.21	0.21	0.42	0.03
Mathematics	-0.86	0.93	1.79	<0.0001
Chinese	-0.83	0.90	1.73	0.0002
Chinese Reading	-0.69	0.75	1.44	0.001
Chinese Writing	-0.88	0.95	1.83	0.0005

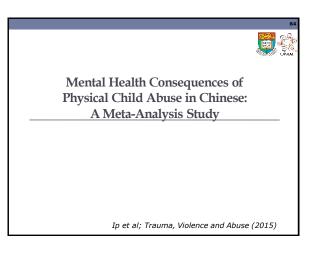


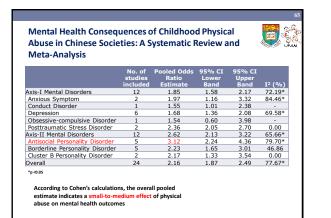


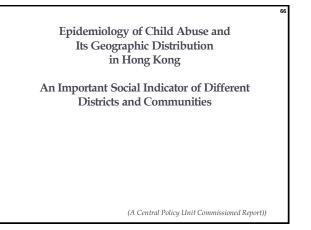


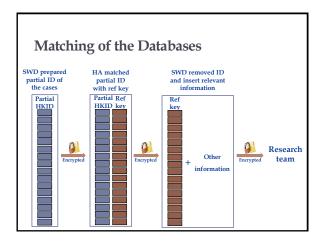


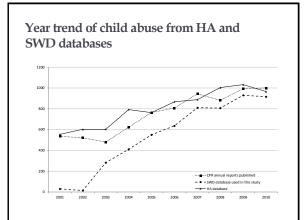




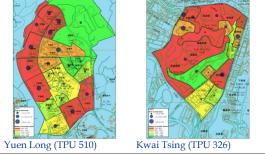








Relationship between rate of abuse and median monthly income



<section-header>

 Relationship between rate of abuse and public rental housing

 Image: Construction of the second seco

Kwai Tsing (TPU 326)

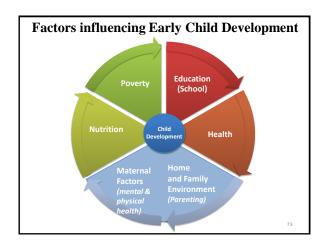
Vieto Note II History of relative 1.92% 0.02% %6.66 (#0.64,116.00) <0.0001	Any diagnosis (ICD-10)	Prevalence among child abuse victims	Prevalence in H.K. population ¹	Odds ratio (95% CI)	p-value
Xito b XS4/ History of Injury 23.5 % 3.2 % 9.48 (8.13, 11.03) <0.0001 S00 to 199 Mental haalth 10.8 % 1.2 % 9.97 (9.28, 10.71) <0.0001	X60 to X84		0.02%	96.60 (80.04, 116.00)	<0.0001
Volu 1777 International Constraints (California Constraints) (Californi	X60 to X84/ S00 to T98	23.9%2	3.2%	9.48 (8.13, 11.03)	< 0.0001
contra (95 Congenital malformations) Chromosomal	F00 to F99	 10.8%	1.2%	9.97 (9.28, 10.71)	< 0.0001
	Q00 to Q99	4.0%	1.3%	3.17 (2.82, 3.54)	<0.0001

Association between child abuse and

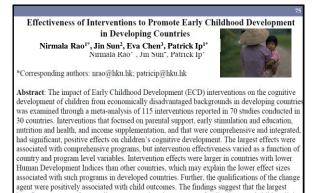
Association between type	of abuse and
health problems	

Yuen Long (TPU 510)

Any diagnosis (ICD-10)		Physical abuse (n=2404)	Child neglect (n=421)	Sexual abuse (n=847)	Psychological abuse (n=59)	Multiple abuse (n=221)	p-value
X60 to X84	History of suicidal attempt	27 (1.12%)	4 (0.95%)	41 (4.84%)	2 (3.39%)	6 (2.71%)	<0.0001
X60 to X84/ S00 to T98	History of Injury	2182 (90.77%)	275 (65.32%)	484 (57.14%)	36 (61.02%)	187 (84.62%)	<0.0001
F00 to F99	Mental health problems	246 (10.23%)	32 (7.6%)	125 (14.76%)	9 (15.25%)	30 (13.57%)	0.0003
Q00 to Q99	Congenital Malformations/ Chromosomal Abnormalities	97 (4.03%)	38 (9.03%)	38 (4.49%)	3 (5.08%)	9 (4.07%)	0.0014



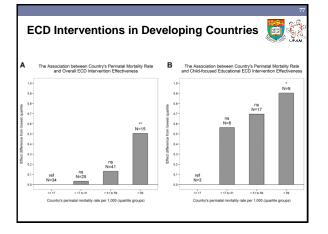


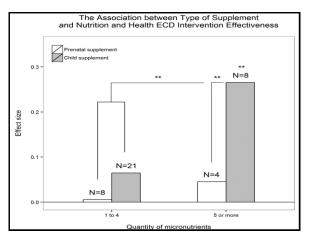


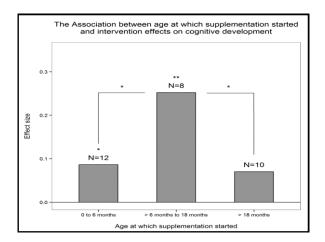
benefits may accrue from scaling up comprehensive programs for disadvantaged children living

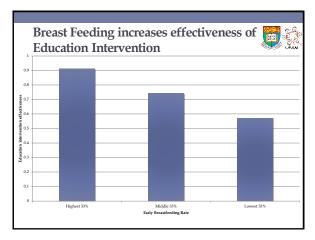
in developing countries.

ECD Inte	rvent	ions in E)evelo	opin	g Co	untri	ies	
Type of ECD Interventions	Number of studies	l-squared (Q test p-value)					d-	unbiased [95% C
Parent-focused	27	87.3 (p < 0.001)						0.46 [0.27 , 0.65
Child-focused educational	37	96.3 (p < 0.001)						0.70 [0.50 , 0.90
lutrition and health	41	60 (p < 0.001)						0.08 [0.03 , 0.14
ncome supplementation	6	67.5 (p = 0.005)						0.13 [0.06 , 0.21
Other comprehensive programmes	4	92.1 (p < 0.001)		-				1.13 [0.59 , 1.66
Dverall	115	96.1 (p < 0.001)		•				0.40 [0.30 , 0.50
				1				
			0.00	0.50	1.00	1.50	2.00	
				Standardi	zed Mean [Difference		









ducat					
MIC					
Outcome/ Intervention	Number of Interventions	Number of Effect Sizes	1 ² (%)		Standardised Mean Difference [95% Ci]
Cognitive					
Direct stimulation Parenting	44	271	88.30		0.51 0.36,0.67 0.36 0.21,0.48 0
Parenting	21	61 17	88.25		0.35 [0.21 , 0.48]
Overall	70	349	88.83	•	0.49[0.37,0.61]
Metor Direct stimulation	9	50	78.47		0.03(-0.19.0.25)
Direct stimulation Parenting	9 15	50 22	78,47 85.74		0.03[-0.19,0.25] 0.3710.10,0.561
integrated	15	22	85.74		0.41[-0.69, 1.51]
Overall	26	75	81.67	-	0.25 [0.09 , 0.40]
Psychosocial Direct stimulation	10	40	24.44		0.10[0.01.0.36]
Paranting	10		36.44		0.16 0.01 0.06
Overall	21	76	75.50	•	0.17 [0.08 , 0.25]
Height Direct stimulation	15	34	45.77		-0.01[-0.15, 0.13]
Parenting	10	25	29.54		0.041-0.03 0.111
Integrated	4	6	38.28		0.06[-0.20, 0.33]
Overall	29	65	59.45	•	0.02[-0.06,0.10]
Weight Direct stimulation		24	56.29		0.071-0.08.0.211
Parenting	ġ	27	55.95	181	0.02(.0.08.0.09)
Overall	3	9	54.98		0.07 [-0.09, 0.23]
	21	60	52.99	-	0.04[-0.02,0.10]
BMI Direct stimulation	5	5	3.99	L.	-0.07[-0.21,0.07]
Parenting	2	2	52.73		-0.15 [-0.52 .0.23]
Ownail	7		12.92	-	-0.10[-0.24,0.04]
				-1.00 -0.50 0.00 0.50 1.00 1.5	2.00

enti	fied optimal conditions						
	Intervention /		p-value for				
	Type of Outcome	Optimal conditions	moderators				
	Direct stimulation						
	Cognitive	 For pre-schoolers Lasted for three years^a 	< 0.0001				
	Motor	 Had trained/supervised deliverers Lasted for three years^a 	< 0.0001				
	Psychosocial	 18 hours a week^a 	0.005				
	Parenting						
	Psychosocial	 Had trained/supervised deliverers 	0.002				
	Height	 Had trained/supervised deliverers Deliverers had professional/degree qualification 	0.01				
	Integrated Cognitive	 Lasted for two years^a 	< 0.0001				
	Height	 For infants 	0.01				

