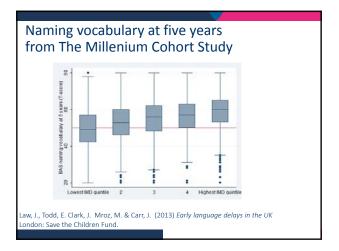
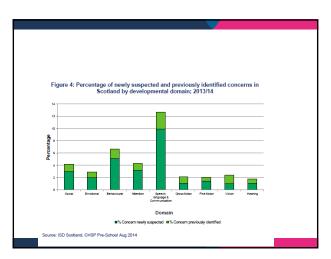


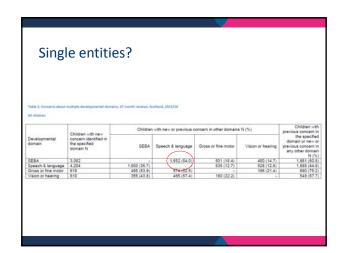
What we will be covering • Engagement of parents and their understanding of need is critical to engagement with and thus implementation of a public health programme • Predictive issues associated with clinical populations are amplified in population studies (needles and haystacks, wood and trees etc)







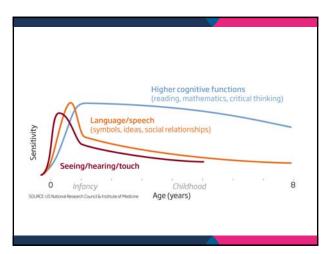


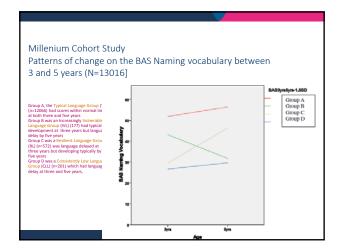


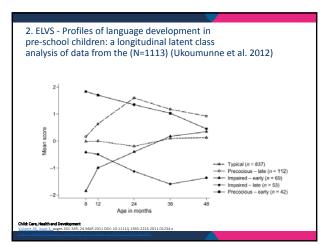
BCRP - Some key messages from children and parents

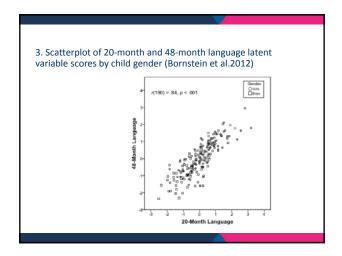
- Children valued their family and friends, their pets and the people who help them. They valued the fun they have with teachers and family. They were proud of their achievements and had individual aspirations for the future. They acknowledged areas of difficulty which included their own feelings and emotions. Rarely did they spontaneously raise the issue of their own speech, language and communication skills;
- Parents valued development in the communication skills of their children because this was seen as the development that was needed to facilitate their child's independence, acceptance and inclusion. In the same way, academic skills in litteracy and numeracy were seen as necessary to a child's ability to be independent, particularly economically;
- Parents would like to see an increase in knowledge about, and attitudes towards SLCN of those around them. This includes the general public, family and professionals they encountered;
- Children would like adults to listen more and not shout; they would like their peers not to tease them;
- A range of parent and self-report measures exist in the area of children's quality of life, although few have been used with children and young people with SLCN.

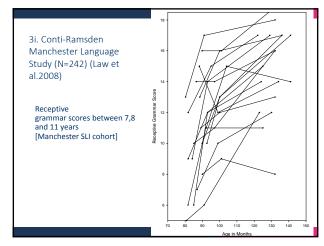


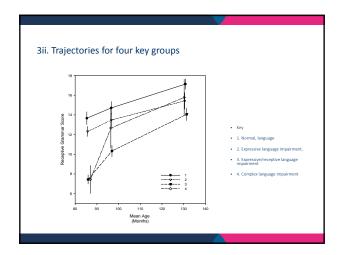






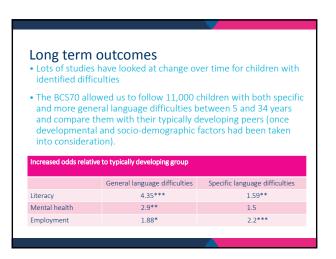


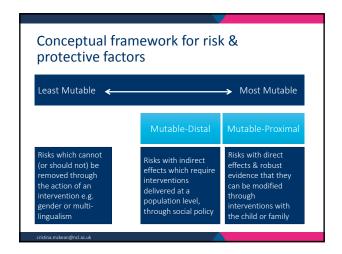


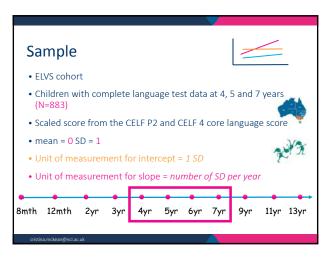


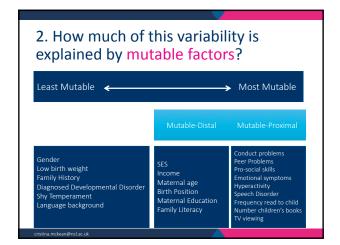


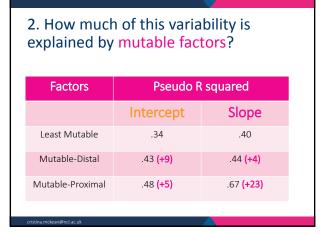
	Months of development ahead or behind the average at 3 subsequent ages		
"School readiness" – Bracken at 3 years	At five years (vocabulary)	At seven years (single word reading)	At eleven years (verbal similarities)
Delayed (bottom 10%)	-13.9	-9.8	-14.1
Advanced (top 20%)	8.0	8.4	9.5
Very Advanced (top 5%)	13.0	16.4	17.0

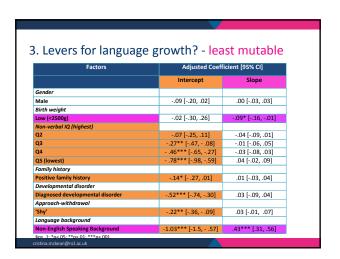


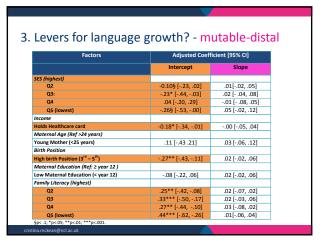






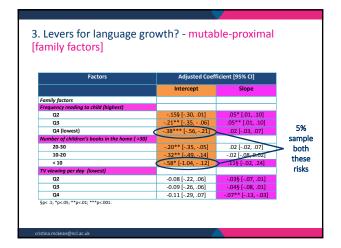






3. Levers for language growth? - mutable-proximal [child factors]

Factors	Adjusted Coefficient [95% CI]	
	Intercept	slope
Child Factors		
Conduct score		
Conduct problems	.04 [16, .24]	04[10, .02]
Peer score		
Peer problems	12 [31, .07]	.04 [02, .09]
Pro-social score		
Low pro-social score	23§ [45, .01]	.07* [.00, .13]
Emotional score		
Emotional problems	.20 [05, .43]	00 [07, .07]
Hyperactivity/inattention		
Hyperactivity/inattention problems	09 [30, .12]	04 [10, .02]
Speech development		
Speech Sound Disorder	26§ [51, .00]	.04 [03, .11]



Conclusions



- A substantial proportion of the variance in both language at 4 and language growth between 4 and 7 is explained by the factors that are least amenable to change
- However substantial change can still occur in children's language growth from 4 to 7 and much of this growth is associated with mutable factors..
- The significant and cumulative effects of, shared book reading, books in the home and TV viewing, point to the promotion of a set of parenting behaviours which could bolster language and literacy development, all of which have proven to be modifiable through interventions.
- A family's resource, in terms of its material and cultural capital, has a large influence on language development up to the age of 4 years, and must not be ignored in the design of interventions.
- The direction of causality is, of course, moot, however there is the potential that
 combining interventions for these environmental factors with more traditional,
 language-focussed approaches could increase the effectiveness of services for children
 with poor language development.

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• But is earlier always better?

But .. assumptions need testing

- Problems with reliable prediction
- Who is in the sample?
- Time of austerity
- No services to children in secondary school
- What IS the outcome?
- And what is the optimum age to respond to intervention?
- Norberry, C. (2015) Editorial: Early intervention in response to language delays – is there a danger of putting too many eggs in the wrong basket? Journal of Child Psychology and Psychiatry 56:8 835-836

"The myth of the first three years" (Bruer 1999)

- Beware of absolute categorical statements "critical periods..are not windows that slam shut." p.199
- "The first three years are not the ONLY years we have to build better brains. The brain is not cooked by age 3 or age 10." $\,$
- Be sensitive to overgeneralisation (and rhetoric) relevance of Huberl and Wiesel's blind kittens or rodents to HeadStart
- Beware enriched environments that reflect our own cultural niche
- Eschew genetic determinism
- The myth can weaken our resolve to aid older citizens
- "Brain science even if we add in behavioural science cannot tell us how to raise a scientifically correct child"
- The bell curve is a curve ball (Clinton) not only unscientific but insidious
- Bruer,J.T. The myth of the first three years: A new understanding of early brain development and lifelong learning New York: The Free Press

In summary

Public health approach assume:-

- clear indicators of social disparities
- good population knowledge and understanding of natural history
- Clear sense of what is the desired outcome
- good data on population level interventions but also need for a better understanding of targeting (social marketing)