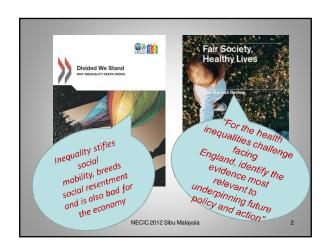
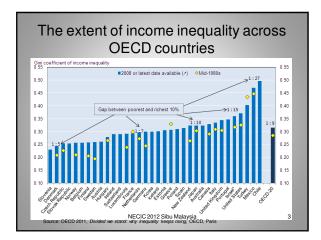
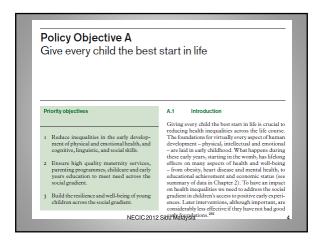
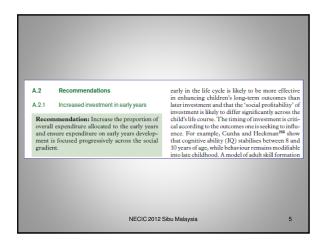
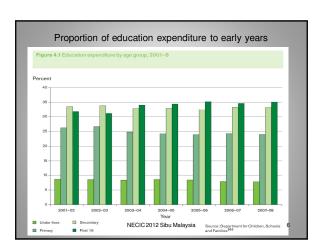
Overview • What is the place for home-based ECD interventions? • What is the evidence that home-based ECD interventions work? • The Australian national evaluation of the Home Interaction Program for Parents and Youngsters (HIPPY).

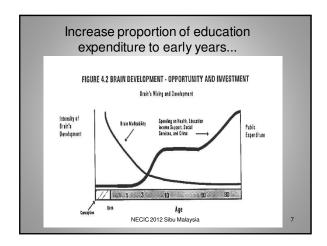


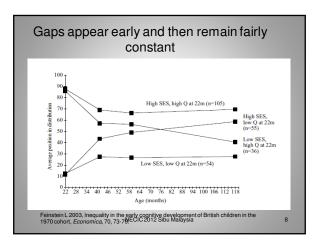


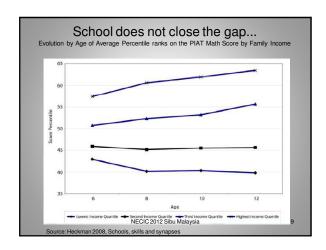


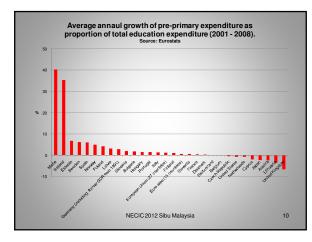


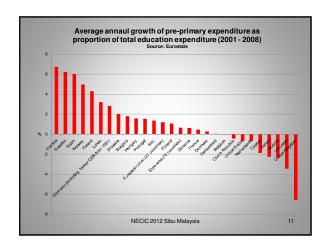


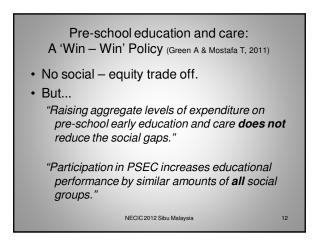


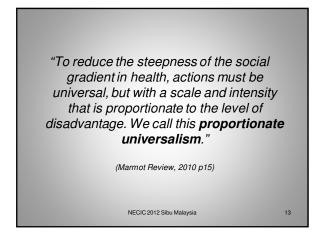






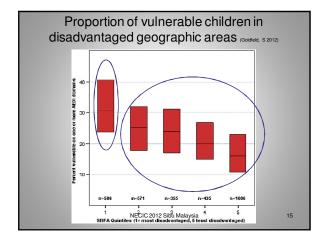






- To close the gap and address inequalities less advantaged families must get more or better quality primary school education and care. (Green A & Mostafa T, 2011)
- Traditional responses = targeted placebased interventions
 - Stigmatising
 - · Miss most of those who need more

NECIC 2012 Sibu Malaysia



The place for home-visiting programs?

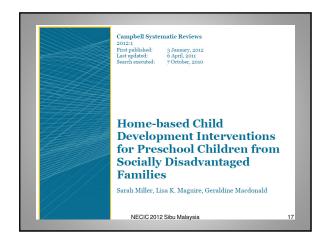
Universal centre-based child care

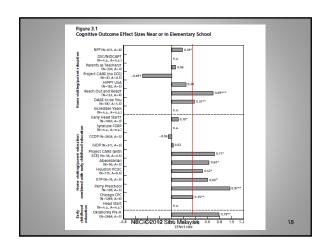
+ targeted home-visiting to reach those who need more (not place-based).

We call this proportionate universalism

But...Do home-based ECD interventions for children work?

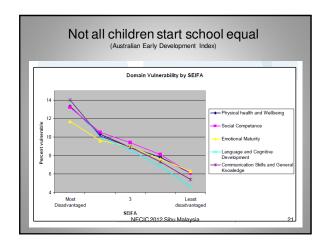
NECIC 2012 Sibu Malaysia

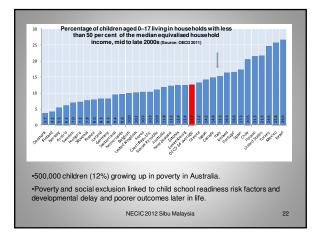


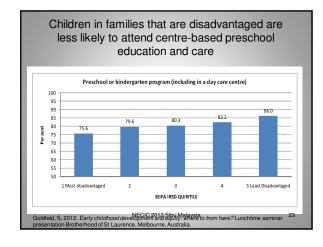


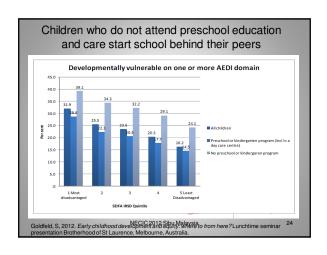


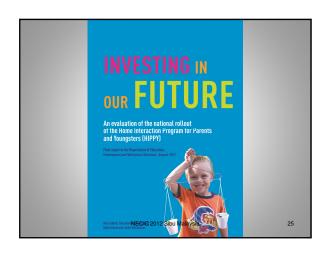
Home-based early childhood development interventions for pre-school children from socially disadvantaged families: Do they work?











Outline of HIPPY

- 2 year program starting in the year before the child's first year of formal school
- Home tutors paraprofessionals who are trained and supported by a qualified local program coordinator
- ➤ Home tutors work with parent who in turn work with child 15 min per day, 5 days per week
- > Manualised / Structured Curriculum
- ➤ Home visiting + Centre based (group meetings)

NECIC 2012 Sibu Malaysia

26

HIPPY Internationally

- · HIPPY commenced in 1969 in Israel
- Since then it has spread to the USA, Canada, New Zealand, Austria, Australia, Germany, Italy South Africa, Argentina, Denmark and Switzerland, with programs in Turkey and Netherlands using similar principles.
- HIPPY was first introduced in Australia in Melbourne in 1998. Currently there are 50 Australian sites either established or in the process. Expansion since 2009 results from Australian Government priorities on education and early childhood

NECIC 2012 Sibu Malaysia

HIPPY Research

- Several international studies provide evidence of results ranging from 'promising' to 'positive' or 'excellent'
- · Only two randomised controlled trials (USA)
- Several small studies in Australia since 2002 with broadly similar findings
- BSL conducted a larger study 2008-2009 for Victorian Department of Education on seven sites.
 Results confirm other research but lack of comparison groups noted as a limitation

NECIC 2012 Sibu Malaysia

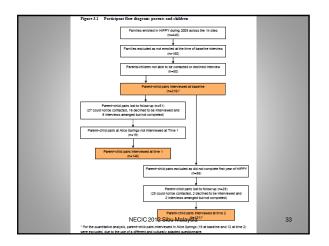
28

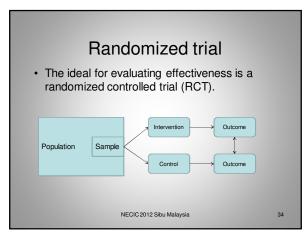
Evaluation domains Appropriateness the identified need for the program, alignment with Australian Government priorities and alternative responses/programs. Effectiveness the degree to which the intended benefits or outcomes have been achieved. Efficiency the cost-effectiveness of the program. HIPPY with Indigenous Australians the appropriateness and acceptability of the program among Indigenous Australians. Governance whether the governance arrangements have been appropriate and sufficient. NECIC 2012 Sibu Malaysia 29

The program operates at both the home and childcare settings. New parenting skills must be actively rehearsed and parents must practise these skills at home.
The state of the s
Include quality education and direct teaching of child plus support for parents and teachers.
Begin in the preschool period and extend into the early school years.
Are intensive in nature (i.e. a weekly program over a two year period.)
Include a curriculum that children can meaningfully connect with. Parenting programmes must teach principles and not just prescribed techniques. Programmes need to include both sanctions for negative behaviour as well as strategies to build positive relationships through play and praise.
Programmes need to include quality early childhood education and a simultaneous family support strategy. If difficulties exist in the relationships between adults in the family,

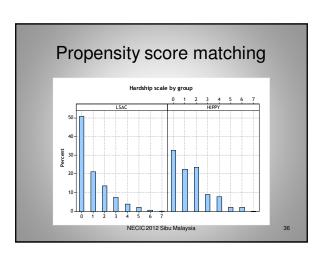
The effectiveness of HIPPY 'Does it work?' HIPPY aims to: support parents in their role as their child's first teacher and foster a love of learning in children so that they start school 'ready-to-learn'. Research themes: - What was the impact of HIPPY on the child's school readiness? - What was the impact for the parents? - What was the impact for home tutors?

Personal Research design and analysis Quasi-experimental research design before and after measurement plus comparison to matched control group to establish counterfactual. Included analysis of program fidelity to determine the extent to which the program had been delivered and taken up by participants as expected, and any effect of fidelity on outcomes.









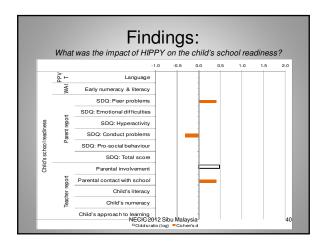
Propensity score matching

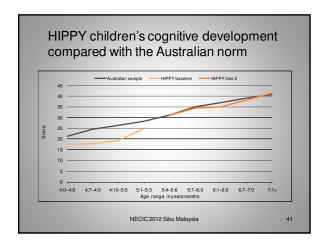
- · Propensity score idea:
 - Estimate the chance of being a HIPPY child/parent (relative to LSAC), in these data.
 - Propensity score = Pr(HIPPY).
 - When analysing outcomes, always include the propensity score in any analysis.
- · Adjusts for the HIPPY / LSAC differences.
- Not randomization, but the next best thing:
- Children/parents compared have the same chance of being a HIPPY child/parent.

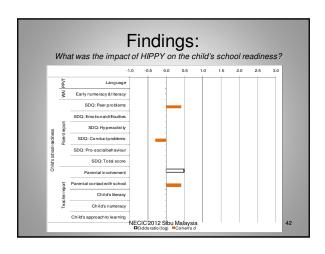
NECIC 2012 Sibu Malaysia

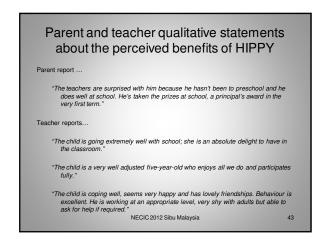
	vith HIPPY, b nt for propen	efore and after sity score	
Variable	Before	After	
Hardship scale	P = 0.001	P = 0.56	
SEIFA disadvantage	P < 0.0001	P = 0.27	
Who am I?	P < 0.0001	P = 0.43	
ATSI	P < 0.0001	P = 0.29	
1	NECIC 2012 Sibu Malaysi	a	38

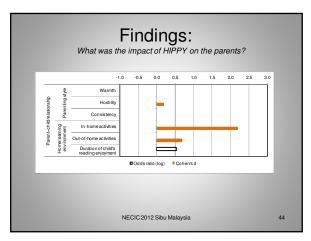
Analysis • Analysis of outcomes was done using the applicable statistical method: - Scale/continuous outcome – General Linear Model; - Ordinal outcome – Ordinal Logistic Regression; - Binary outcome – Logistic Regression. • In each case, the model evaluates the HIPPY effect after adjustment for the propensity score.

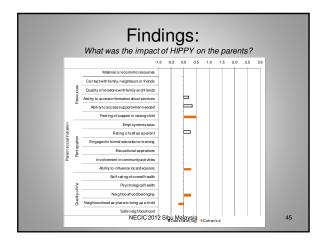


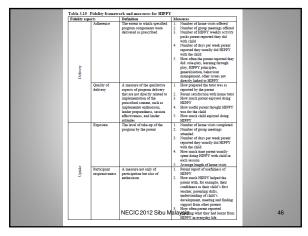


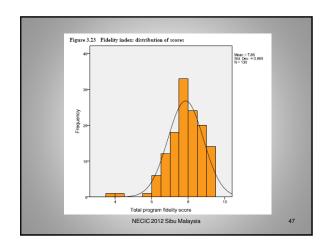


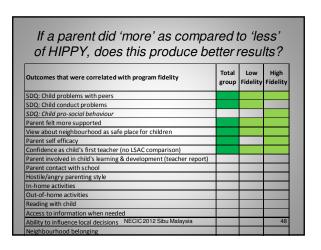












Evaluation criteria	Comment		
Appropriateness	The evaluation found that HIPPY has a rare combination of evidence-based features that are known to be effective in early childhood parenting programs. The program meets a significant need in Australia, and aligns with and supports four important Australian Government early childhood development priorities and policy agendas.		
Effectiveness	The evaluation provides a strong evidence base as to the effectiveness of HIPPY, which sets part from most other early childhood parenting programs in Australia. Significant positive indeed to the control of the co		
Efficiency	IIIPY's cost-effectiveness compares very favourably to that of other programs. It was to possible to make Australian comparisons due to the lack of data about Australian programs. The program has achieved good efficiencies and a benefit-cost analysis shows a eturn on investment to society of as much as \$2.53 for every dollar spent. This is a conservative estimate, as the paucity of data available in Australia limited what could be included in the modelling. Research about other similar programs indicates it is realistic to stimate a return to society of as much as \$4 for every \$1 spent (Duncan et al. 2007).		
HIPPY with Indigenous Australians	HIPPY with Indigenous Australians is promising, with strong reports of positive impacts. Successful strategies to meet the significant challenge of engaging Indigenous families are discussed.		
Governance	HIPPY is well managed and governance arrangements are strong and satisfactory. However, based on stakeholder feedback there are opportunities for improvement in the areas of reporting requirements epid belongs belonging peeds of all partners within an innovative model of governance involving government and the community sector.		

Indigenous HIPPY participants reports of perceived benefits...

- · increased confidence to teach their child
- · increased confidence to talk to their child's teacher
- pride for both the parent and the child in the child's learning and achievement
- improved parenting skills: patience and responding to difficult behaviour
- better relationship between parents and child and improved quality time spent with the child
- · social connectedness from meeting other parents
- the child becoming familiar and confident with schoolwork
- more insight about school's requirements and expectations
- better awareness of their child's skills, abilities and academic needs.

 NECIC 2012 Sibu Malaysia

Conclusion

Do home-based ECD interventions for children work?

"The most successful early intervention programs have been aimed at socially disadvantaged families and have used combined strategies that target both child and parent." (Walson & Tully, 2008)

What is the place for home-based ECD interventions?

To reduce inequalities action must be universal but at a scale and intensity that is relative to need; those who need more get more.

Governments should invest in universal centre-based child care + targeted home-visiting to reach those who need more (not place-based)

We call this proportionate universalism

51