# Parent Reported Outcomes in Young Children With Disorders/ University **Differences of Sex Development**

### SR Ali<sup>1</sup>, Z Macqueen<sup>1</sup>, M Gardner<sup>2</sup>, Y Xin<sup>3</sup>, A Kyriakou<sup>1</sup>, A Mason<sup>1</sup>, MG Shaikh<sup>1</sup>, SC Wong<sup>1</sup>, DE Sandberg<sup>2</sup>, SF Ahmed<sup>1</sup>

- 1 Developmental Endocrinology Research Group, University of Glasgow, Glasgow, UK
- 2 Susan B Meister Child Health Evaluation & Research Center, Department of Pediatrics, University of Michigan Medical School, USA
- 3 Health Economics & Health Technology Assessment, Institute of Health & Wellbeing, University of Glasgow, UK

## Introduction

- There is paucity of information of health-related quality of life outcomes in parents and young children with Disorders/ Differences of Sex Development (DSD).
- There are a lack of parent reported outcome measures (PRO) that ulletcan be routinely assessed in a busy outpatient setting.

## Aims

- Develop PRO questionnaires for children <7 years.
- Explore feasibility of integrating questionnaires into routine clinic



- 100% parent acceptability reported.
- Less than 10 minutes to complete.

### **PSR** questionnaire

Fathers of children with DSD had less stress associated with Clinic Visits (p=0.02) and managing their child's Medication (p=0.04).

**Clinic Visits** 

3



**Greater Glasgow** 

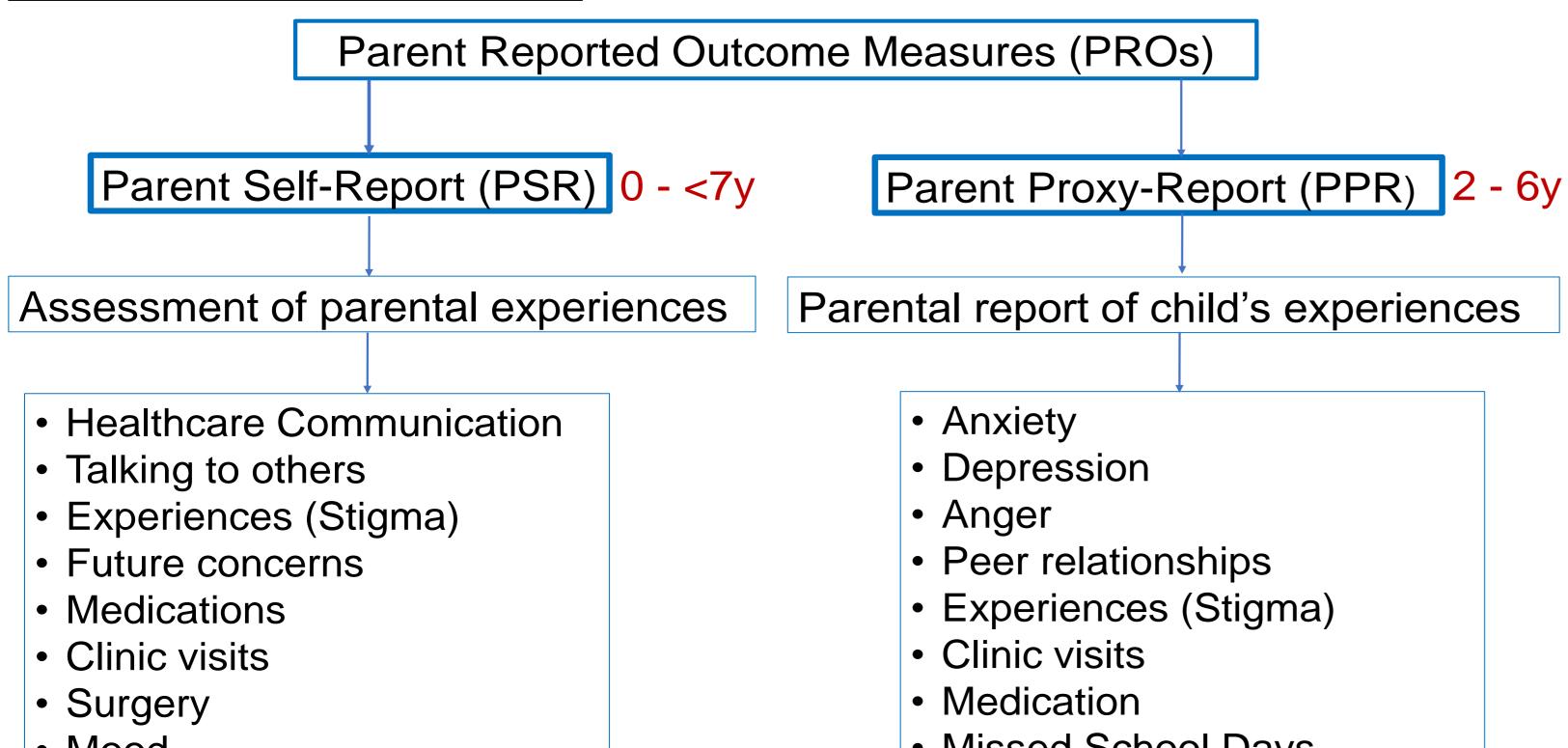
and Clyde

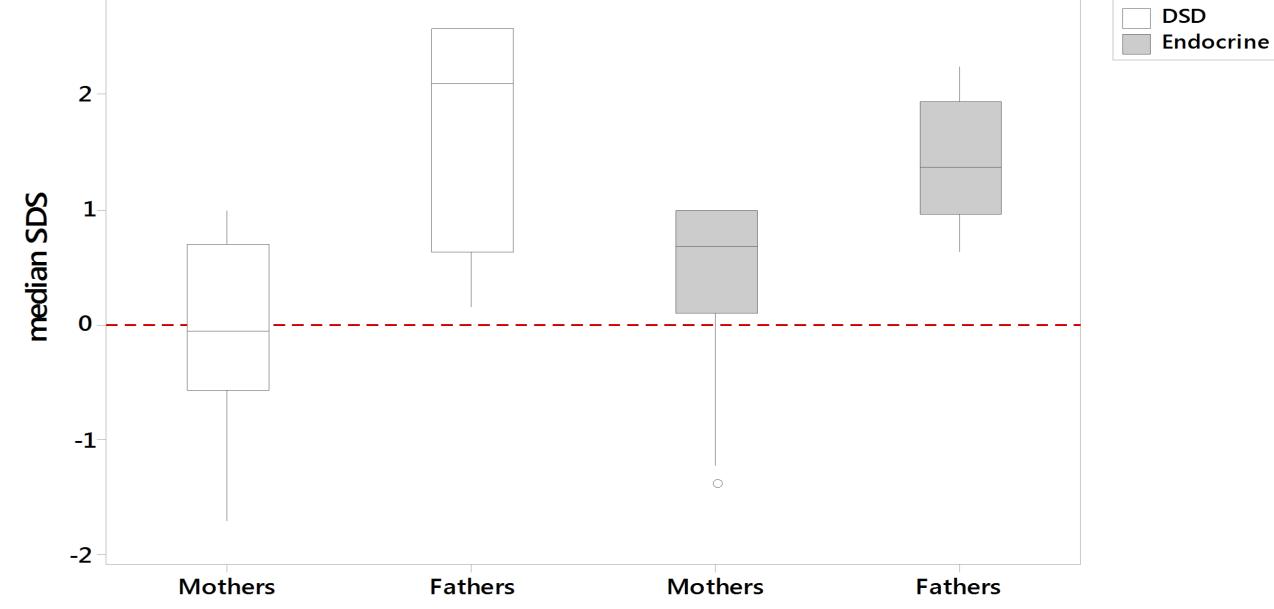
setting.

Determine whether the psychosocial impact on parents of a child  $\bullet$ with DSD is different to that of other endocrine conditions.

### Methods

### Questionnaires





Parents of children with DSD reported greater Future Concerns in relation to their child's condition than parents of children with other Endocrine conditions (p < 0.05).



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Salma Ali

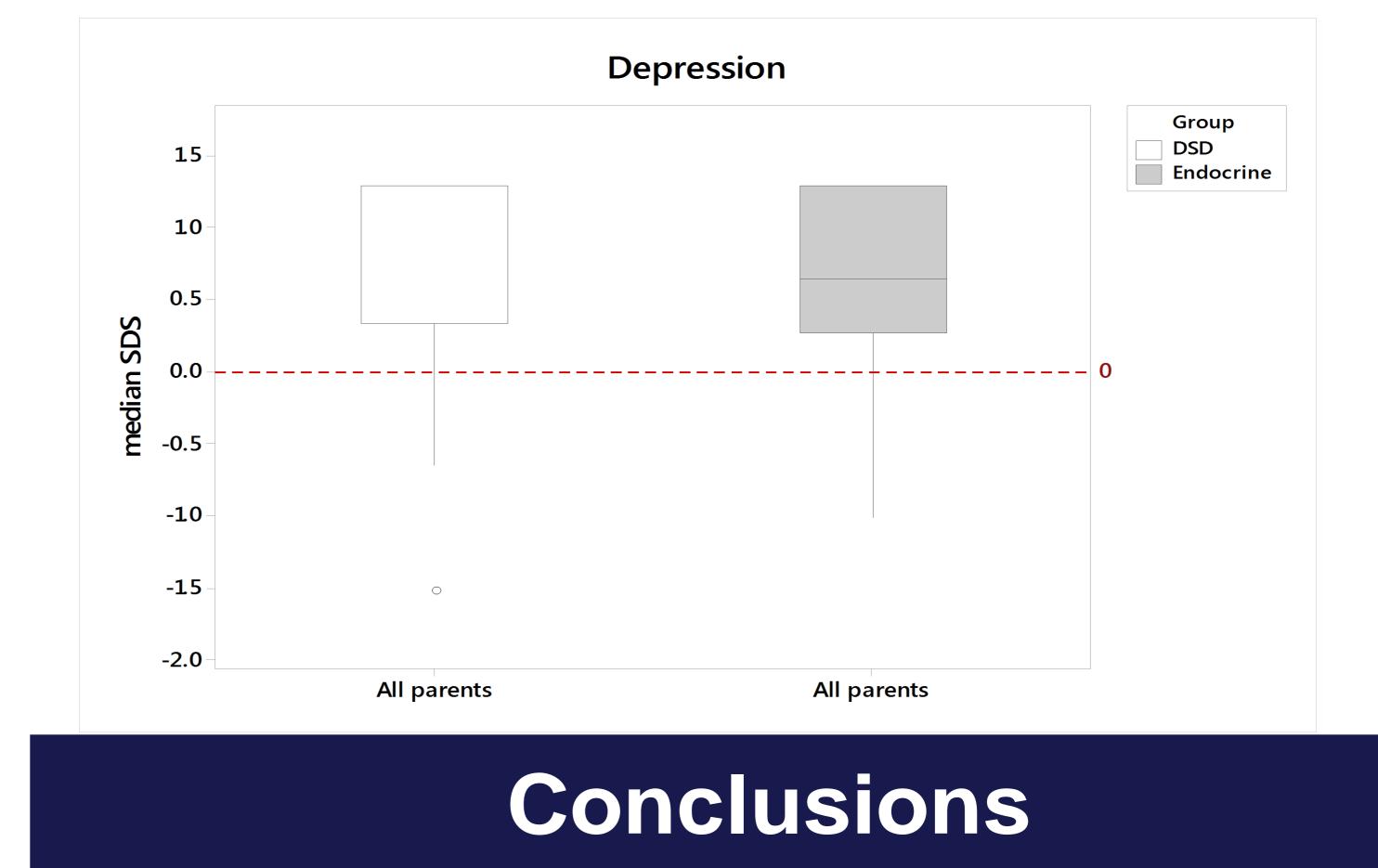
#### Missed School Days

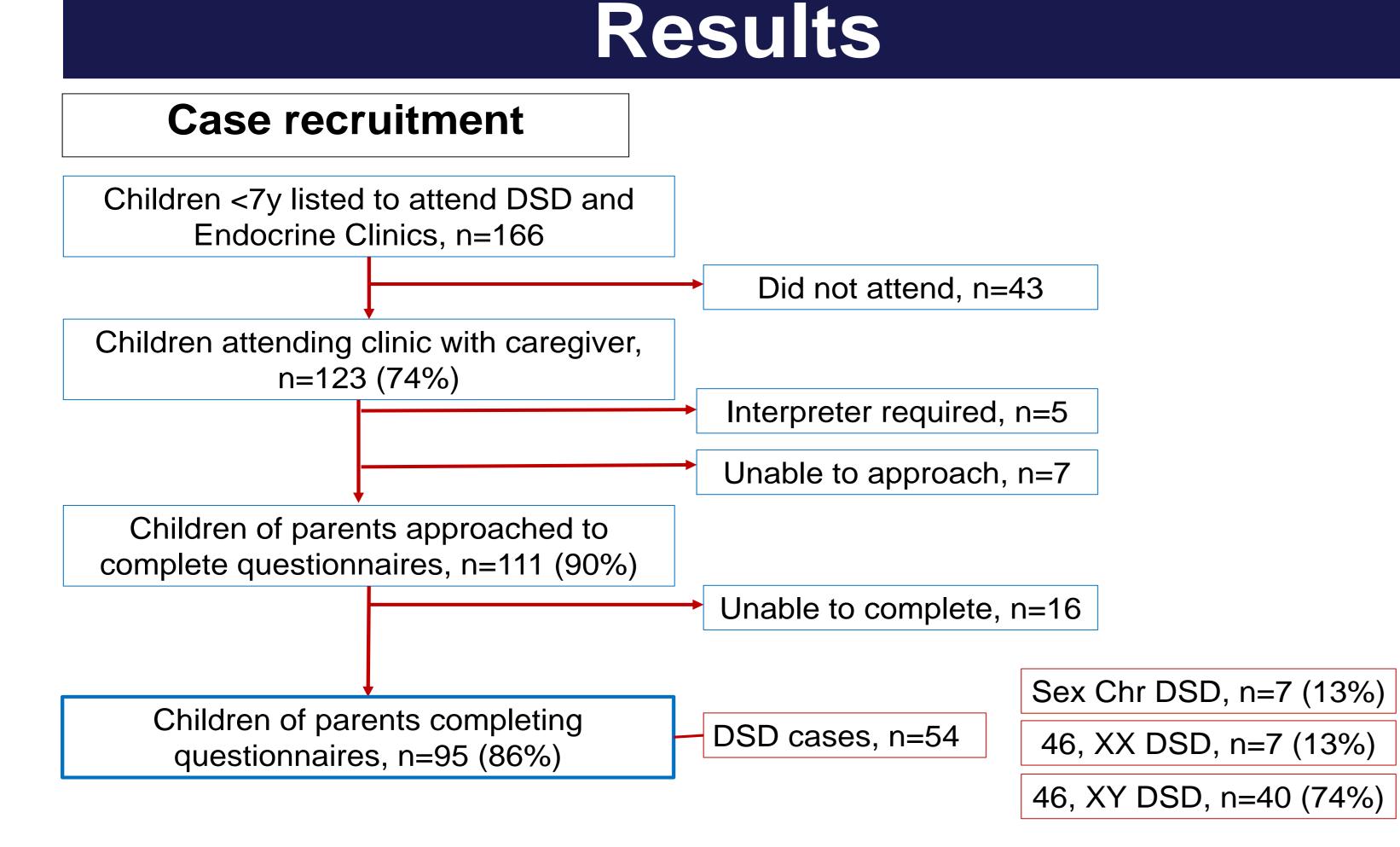
#### Questionnaire domains and scoring

	1					
Questionnaire	Items	Derived from:	High subscale	Sample mean (SD) from reference data		
Domains			scores indicate:			
				Mothers	Fathers	Sample- All
Parent Self-Report						
Communication	2	QOL-DSD	Better outcome	74.86 (16.93)	69.97 (23.15)	-
Talking to Others	5	QOL-DSD	Better outcome	64.03 (24.52)	85.55 (16.80)	-
Future Concerns	7	QOL-DSD	Better outcome	55.37 (25.86)	79.14 (13.71)	-
Medication	4	QOL-DSD	Better outcome	70.39 (28.20)	49.10 (28.31)	-
Clinic Visit	4	QOL-DSD	Better outcome	72.08 (27.81)	33.38 (25.80)	-
Surgery	4	QOL-DSD	Better outcome	38.03 (25.12)	81.10 (24.51)	-
Stigma	10	Experiences &	Poorer outcome	1.76 (0.63)	1.56 (0.44)	-
		reactions-				
		Parent				
Mood	4	PHQ-4	Poorer outcome	-	_	2.5 (2.8)
Parent Proxy-Report						
Anxiety	4	PROMIS	Poorer outcome	-	_	50 (10)
Depression	4	PROMIS	Poorer outcome	-	_	50 (10)
Anger	5	PROMIS	Poorer outcome	-	_	50 (10)
Peer Relations	4	PROMIS	Better outcome	-	_	50 (10)
Stigma	4	Experiences &	Poorer outcome	2.28 (0.91)	2.05 (0.81)	-
		reactions- Child				
Clinic Visit &	7		Better outcome	64.98 (24.49)	78,10 (22,56)	-
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Clinic Visit & Medication	7 1	QOL-DSD	Better outcome	64.98 (24.49)	78.10 (22.56)	_

#### **PPR** questionnaire

Parents of children with DSD and other Endocrine conditions reported less Depressive symptoms compared to reference data (p<0.05).





Sex differentiation, gonads and gynaecology or sex endocrinology

- The use of PRO tools in parents and young children with DSD is an acceptable practice.
- PRO tools can be routinely used in the outpatient setting to assess and monitor parent and patient needs.
- DSD was associated with greater parental concerns over a child's future than other Endocrine conditions
  - Opportunities for targeted intervention



