

Early detection of signs of autism in young children:

What role do ECE teachers play?

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Autism Spectrum Disorders



Definition



Diagnosis process



Early signs

Research Question

- Experience when detecting early signs of Autism
 - Processes and practices
 - Involvement and confidence
 - Greater responsibility

Literature Review

- Processes and tools available for the diagnosis of Autism

Table 1: Summary of the instruments reviewed

Tool	Type	Disorder	Age range	User level	Training required	Administration time	Diagnosis or screen	Sens	Specif	I.C.	LR	T.S	Validity
ADI-R	Interview	Autism	2-Adult	Specialist	Yes	90 minutes	Diagnosis	.86-1.0	.75-.96	.69-.95		.91%	Demonstrated
ADOS	Observ	Autism	18 months +	Specialist	Yes	30-45 minutes	ADOS diagnosis	.90	.80	.47-.94	.65-.82	.59-.82	Demonstrated
CARS	Rating	Autism	2-7	Specialist	No	10-15 minutes	Screening	1.0		.94	.71	.81	Demonstrated
GAR-2	Rating and interview	Autism	3-22 years	Specialist	No	15 minutes	Screening			.94		.84	More research required
SCQ	Rating	Autism	4+	Specialist	No	15 minutes	Screening	>.75	<.60	.81-.93			Demonstrated
SRS	Rating	Autism	4-18 years	Open	No	15-20 minutes	Screening	.85	.75	.93-.97	.75-.91	.77-.85	Demonstrated
36	Interview	Autism	Children	Trained	Yes	90 minutes	Diagnosis	1	.97		.9	.9	Demonstrated
DISCO	Interview	Autism	3 years +	Unknown	Yes	120-180 minutes	Diagnosis				>.75		More research required
GADS	Interview	Asp D	3-22 years	Specialist	No	5-10 minutes	ADOS diagnosis	.75-.96	.60-.80	.81-.93			More research required
ADOS	Rating	Asp D	5-18 years	Psych	No	10-15 minutes	ADOS diagnosis			.83	.93		Demonstrated
KADI	Rating	Asp D	9-21 years	Unknown	No	15-20 minutes	Screening	.78	.94	.93	.90%	.96	Demonstrated
ASSQ	Rating	Asp D	6-17 years	Unknown	No	10 minutes	Screening	.82-.91	<.9		.77	.94	Demonstrated

My study



ONLINE SURVEY



15 PARTICIPANTS



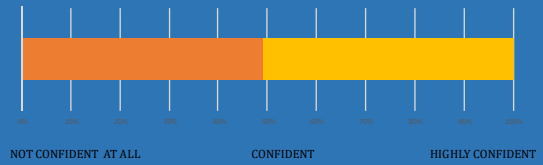
3 FOLLOW UP FACE-TO-FACE INTERVIEWS

Demographic

- Females 20-40 years old
- New Zealand/European ethnicity
- Bachelor degree and teaching registration
 - Full time teacher
- Semi structured approach centre

Confidence

How confident do you feel about noticing early signs of ASD?



Knowledge

- 8 participants involved in the early detection process
 - 5 experienced more than one process

Recommendations

- Robust Professional Developments
 - Accessible to everyone
- Ministry of Education support

MOSAIC

Monitoring of Social Attention, Interaction and Communication

- Access to children
- Social competencies
 - Relationships

Suggestions

- Upskilling teachers
- Ministries working together
 - Database