Appendix 15. Completed Methodology Checklists: Economic Evaluations

	omic Question: Reciprocal-social communication added to standard of children with autism	care vs. standard c	are alone for pre-
Secti	on 1: Applicability (relevance to specific guideline review tion and the NICE reference case)	Yes/ Partly/ No/Unclear/NA	Comments
1.1	Is the study population appropriate for the guideline?	Yes	
1.2	Are the interventions and services appropriate for the guideline?	Yes	
1.3	Is the healthcare system in which the study was conducted sufficiently similar to the current UK NHS context?	Yes	UK study
1.4	Are costs measured from the NHS and personal social services (PSS) perspective?	Partly	Hospital, community & school-based health and social services, plus societal
1.5	Are non-direct health effects on individuals excluded?	Yes	
1.6	Are both costs and health effects discounted at an annual rate of 3.5%?	NA	Time horizon 13 months
1.7	Is the value of health effects expressed in terms of quality-adjusted life years (QALYs)?	No	
1.8	Are changes in health-related quality of life (HRQoL) reported directly from patients and/or carers?	NA	
1.9	Is the valuation of changes in HRQoL (utilities) obtained from a representative sample of the general public?	NA	
1.10	Overall judgement: Partially applicable		
	comments:		1
Secti	on 2: Study limitations (level of methodological quality)	Yes/ Partly/ No/Unclear/NA	Comments
2.1	Does the model structure adequately reflect the nature of the health condition under evaluation?	NA	Economic analysis alongside RCT
2.2	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes?	No	13 months
	Are all increased and relational description of the contract o	Partly	% of children with
2.3	Are all important and relevant health outcomes included?		improvement in
	Are the estimates of baseline health outcomes from the best available source?	Partly	improvement in
2.3	Are the estimates of baseline health outcomes from the best	ŕ	improvement in ADOS-G score (≥4)
2.4	Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best	Partly	improvement in ADOS-G score (≥4) RCT
2.4	Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source?	Partly	improvement in ADOS-G score (≥4) RCT
2.3 2.4 2.5 2.6	Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included?	Partly Yes Yes	improvement in ADOS-G score (≥4) RCT
2.4 2.5 2.6 2.7	Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source?	Partly Yes Yes Yes	improvement in ADOS-G score (≥4) RCT RCT RCT
2.4 2.5 2.6 2.7 2.8	Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be	Partly Yes Yes Yes Yes	ADOS-G score (≥4) RCT RCT RCT

Autism: the management and support of children and young people on the autism spectrum

	omic Question: Parent-mediated communication-focused treatment (
Secti	age treatment') in addition to standard care vs. standard care (stated a on 1: Applicability (relevance to specific guideline review tion and the NICE reference case)	s 'local speech and Yes/ Partly/ No/Unclear/NA	d language treatment') Comments
1.1	Is the study population appropriate for the guideline?	Yes	Children with core autism
1.2	Are the interventions and services appropriate for the guideline?	Yes	
1.3	Is the healthcare system in which the study was conducted sufficiently similar to the current UK NHS context?	Yes	UK study
1.4	Are costs measured from the NHS and personal social services (PSS) perspective?	No	Productivity losses of parents included
1.5	Are non-direct health effects on individuals excluded?	Yes	
1.6	Are both costs and health effects discounted at an annual rate of 3.5%?	Yes	Analysis over lifetime
1.7	Is the value of health effects expressed in terms of quality-adjusted life years (QALYs)?	NA	Cost analysis
1.8	Are changes in health-related quality of life (HRQoL) reported directly from patients and/or carers?	NA	
1.9	Is the valuation of changes in HRQoL (utilities) obtained from a representative sample of the general public?	NA	
1.10	Overall judgement: Partially applicable		
	comments: on 2: Study limitations (level of methodological quality)	Voc/ Portly/	Comments
Secti	on 2: Study limitations (level of methodological quality)	Yes/ Partly/ No/Unclear/NA	Comments
2.1	Does the model structure adequately reflect the nature of the health condition under evaluation?	Partly	Verbal IQ & changes in accommodation type modelled
2.2	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes?	Yes	Lifetime
2.3	Are all important and relevant health outcomes included?	Partly	Focused on verbal IQ, using parental synchrony as intermediate outcome
2.4	Are the estimates of baseline health outcomes from the best available source?	Yes	Naturalistic study
2.5	Are the estimates of relative treatment effects from the best available source?	Partly	RCT, but primary outcome ignored; instead, secondary outcome considered
2.6	Are all important and relevant costs included?	No	Only intervention & accommodation costs considered
2.7	Are the estimates of resource use from the best available source?	Partly	Published literature and assumptions
2.8	Are the unit costs of resources from the best available source?	Yes	National sources
2.9	Is an appropriate incremental analysis presented or can it be calculated from the data?	NA	Cost analysis
2.10	Are all important parameters whose values are uncertain subjected to appropriate sensitivity analysis?	Yes	
2.11	Is there no potential conflict of interest?	Yes	

synchronisation was selected from the RCT although it was a secondary outcome; the primary outcome was ignored

Fran	omic Question: Antipsychotics aimed at behavior that challenges in	children and vound	neonle with autiem
Secti	on 1: Applicability (relevance to specific guideline review tion and the NICE reference case)	Yes/ Partly/ No/Unclear/NA	Comments
1.1	Is the study population appropriate for the guideline?	Yes	
1.2	Are the interventions and services appropriate for the guideline?	Yes	
1.3	Is the healthcare system in which the study was conducted sufficiently similar to the current UK NHS context?	Yes	
1.4	Are costs measured from the NHS and personal social services (PSS) perspective?	Yes	
1.5	Are non-direct health effects on individuals excluded?	Yes	
1.6	Are both costs and health effects discounted at an annual rate of 3.5%?	NA	Time horizon 32 weeks
1.7	Is the value of health effects expressed in terms of quality-adjusted life years (QALYs)?	Yes	
1.8	Are changes in health-related quality of life (HRQoL) reported directly from patients and/or carers?	Yes	
1.9	Is the valuation of changes in HRQoL (utilities) obtained from a representative sample of the general public?	Partly	SG, Canadian population
	Overall judgement: Partially applicable		
	comments: on 2: Study limitations (level of methodological quality)	Yes/ Partly/ No/Unclear/NA	Comments
2.1			
2.1	Does the model structure adequately reflect the nature of the health condition under evaluation?	Yes	
	boes the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes?	Yes	32 weeks
2.2	health condition under evaluation? Is the time horizon sufficiently long to reflect all important		32 weeks
2.2	health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes?	Partly	32 weeks Guideline meta- analysis
2.2 2.3 2.4	health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source?	Partly Yes Partly Yes	Guideline meta- analysis Guideline meta- analysis
2.2 2.3 2.4 2.5 2.6	health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best	Partly Yes Partly	Guideline meta- analysis Guideline meta-
2.2 2.3 2.4 2.5 2.6	health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source?	Partly Yes Partly Yes	Guideline meta- analysis Guideline meta- analysis Costs associated with behaviour that challenges not
2.2 2.3 2.4 2.5 2.6	health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included?	Partly Yes Partly Yes Partly	Guideline meta- analysis Guideline meta- analysis Costs associated with behaviour that challenges not included
2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9	health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be calculated from the data?	Partly Yes Partly Yes Partly Yes Partly Yes Yes	Guideline meta- analysis Guideline meta- analysis Costs associated with behaviour that challenges not included RCT-reported data National unit costs
2.2 2.3 2.4 2.5	health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be	Partly Yes Partly Yes Partly Partly Yes	Guideline meta- analysis Guideline meta- analysis Costs associated with behaviour that challenges not included RCT-reported data

Autism: the management and support of children and young people on the autism spectrum

	omic Question: Early Intensive Behavioural Intervention (EIBI) versuation) for children with autism	s standard educati	onal service (special
Secti	on 1: Applicability (relevance to specific guideline review tion and the NICE reference case)	Yes/ Partly/ No/Unclear/NA	Comments
1.1	Is the study population appropriate for the guideline?	Yes	
1.2	Are the interventions and services appropriate for the guideline?	Yes	
1.3	Is the healthcare system in which the study was conducted sufficiently similar to the current UK NHS context?	No	US study
1.4	Are costs measured from the NHS and personal social services (PSS) perspective?	No	Public (state, local, federal) & private costs
1.5	Are non-direct health effects on individuals excluded?	NA	Cost analysis
1.6	Are both costs and health effects discounted at an annual rate of 3.5%?	No	Time horizon 18 years
1.7	Is the value of health effects expressed in terms of quality-adjusted life years (QALYs)?	NA	
1.8	Are changes in health-related quality of life (HRQoL) reported directly from patients and/or carers?	NA	
1.9	Is the valuation of changes in HRQoL (utilities) obtained from a representative sample of the general public?	NA	
	Overall judgement: Partially applicable		
	comments:	V/Dth-/	0
Secti	on 2: Study limitations (level of methodological quality)	Yes/ Partly/ No/Unclear/NA	Comments
2.1	Does the model structure adequately reflect the nature of the health condition under evaluation?	Partly	Simple model including educational aspects only
	Is the time horizon sufficiently long to reflect all important		
2.2	differences in costs and outcomes?	Yes	18 years
2.2		Yes NA	18 years Cost analysis
2.3	differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source?	NA NA	Cost analysis
2.3	differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best	NA	Cost analysis Clinical parameters based on review &
2.3	differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best	NA NA	Cost analysis Clinical parameters
2.3 2.4 2.5	differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source?	NA NA No	Cost analysis Clinical parameters based on review & assumptions Only educational
2.3 2.4 2.5 2.6	differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included?	NA NA No Partly	Clinical parameters based on review & assumptions Only educational costs included Estimates following personal
2.3 2.4 2.5 2.6 2.7	differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be calculated from the data?	NA NA No Partly No	Cost analysis Clinical parameters based on review & assumptions Only educational costs included Estimates following personal communication
2.3 2.4 2.5 2.6 2.7	differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be	NA NA NO Partly No No	Clinical parameters based on review & assumptions Only educational costs included Estimates following personal communication

Econ	omic Question: Early Intensive Behavioural Intervention (EIBI) vs. no	intervention	
	on 1: Applicability (relevance to specific guideline review tion and the NICE reference case)	Yes/ Partly/ No/Unclear/NA	Comments
1.1	Is the study population appropriate for the guideline?	Yes	Children with autism
1.2	Are the interventions and services appropriate for the guideline?	Yes	o.c
1.3	Is the healthcare system in which the study was conducted sufficiently similar to the current UK NHS context?	Partly	US
1.4	Are costs measured from the NHS and personal social services (PSS) perspective?	No	Societal perspective
1.5	Are non-direct health effects on individuals excluded?	NA	Cost analysis
1.6	Are both costs and health effects discounted at an annual rate of 3.5%?	Unclear	
1.7	Is the value of health effects expressed in terms of quality-adjusted life years (QALYs)?	NA	Cost analysis
1.8	Are changes in health-related quality of life (HRQoL) reported directly from patients and/or carers?	NA	
1.9	Is the valuation of changes in HRQoL (utilities) obtained from a representative sample of the general public?	NA	
1.10	Overall judgement: Partially applicable		
	comments:		T
Section	on 2: Study limitations (level of methodological quality)	Yes/ Partly/ No/Unclear/NA	Comments
2.1	Does the model structure adequately reflect the nature of the health condition under evaluation?	Yes	
2.2	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes?	Yes	From 3 to 55 years of age
2.3	Are all important and relevant health outcomes included?	Yes	Cost analysis, but level of functioning considered
2.4	Are the estimates of baseline health outcomes from the best available source?	Partly	Literature review and assumptions
2.5	Are the estimates of relative treatment effects from the best available source?	Partly	Literature review and assumptions
2.6	Are all important and relevant costs included?	Yes	
2.7	Are the estimates of resource use from the best available source?	Partly	Published literature and further assumptions
2.8	Are the unit costs of resources from the best available source?	Yes	National sources (state)
2.9	Is an appropriate incremental analysis presented or can it be calculated from the data?	NA	Cost analysis
2.10	Are all important parameters whose values are uncertain subjected to appropriate sensitivity analysis?	No	Limited sensitivity analysis
2.11	Is there no potential conflict of interest? Overall assessment: Very serious limitations	Yes	

	vioural Intervention to All Autistic Children in Ontario. Healthcare Policy omic Question: Early Intensive Behavioural Intervention (EIBI) vs. sta		
interv	ention) vs. no intervention	•	
Secti ques	on 1: Applicability (relevance to specific guideline review tion and the NICE reference case)	Yes/ Partly/ No/Unclear/NA	Comments
1.1	Is the study population appropriate for the guideline?	Yes	Preschool children with autism
1.2	Are the interventions and services appropriate for the guideline?	Yes	
1.3	Is the healthcare system in which the study was conducted sufficiently similar to the current UK NHS context?	Partly	Canada – primary care setting, public funded system
1.4	Are costs measured from the NHS and personal social services (PSS) perspective?	Partly	Direct healthcare and social care costs
1.5	Are non-direct health effects on individuals excluded?	Yes	
1.6	Are both costs and health effects discounted at an annual rate of 3.5%?	Partly	3%
1.7	Is the value of health effects expressed in terms of quality-adjusted life years (QALYs)?	No	Number of dependency-free years
1.8	Are changes in health-related quality of life (HRQoL) reported directly from patients and/or carers?	NA	
1.9	Is the valuation of changes in HRQoL (utilities) obtained from a representative sample of the general public?	NA	
1.10	Overall judgement: Partially applicable		
	Overall judgement: Partially applicable comments: no QALYs estimated but outcome measure considered re	levant; conclusions	s based on
Other domin	comments: no QALYs estimated but outcome measure considered re nance	<u> </u>	
Other domin	comments: no QALYs estimated but outcome measure considered re	levant; conclusions Yes/ Partly/ No/Unclear/NA	based on Comments
Other domin Secti 2.1	comments: no QALYs estimated but outcome measure considered renance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation?	Yes/ Partly/ No/Unclear/NA Yes	Comments
Other domin Secti	comments: no QALYs estimated but outcome measure considered renance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes?	Yes/ Partly/ No/Unclear/NA Yes	Comments Up to 65 years of age
Other domin Secti 2.1 2.2 2.3	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included?	Yes/ Partly/ No/Unclear/NA Yes Yes	Up to 65 years of age Level of dependency
Other domin Section 2.1 2.2 2.3 2.4	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source?	Yes/ Partly/ No/Unclear/NA Yes Yes Yes Partly	Up to 65 years of age Level of dependency Literature review & further assumptions
Other domir Secti 2.1 2.2 2.3 2.4 2.5	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source?	Yes/ Partly/ No/Unclear/NA Yes Yes Yes Partly Partly	Up to 65 years of age Level of dependency Literature review & further assumptions Literature review &
2.1 2.2 2.3 2.4 2.5	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included?	Yes/ Partly/ No/Unclear/NA Yes Yes Yes Partly Partly Yes	Up to 65 years of age Level of dependency Literature review & further assumptions Literature review & further assumptions
Other domin Secti 2.1 2.2 2.3 2.4 2.5 2.6	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source?	Yes/ Partly/ No/Unclear/NA Yes Yes Yes Partly Partly Yes Yes	Up to 65 years of age Level of dependency Literature review & further assumptions Literature review & further assumptions Provincial government estimates
2.1 2.2 2.3 2.4 2.5 2.6 2.7	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source?	Yes/ Partly/ No/Unclear/NA Yes Yes Yes Partly Partly Yes Yes Yes Yes	Up to 65 years of age Level of dependency Literature review & further assumptions Literature review & further assumptions Provincial government
2.1 2.2 2.3 2.4 2.5 2.6 2.7	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Is an appropriate incremental analysis presented or can it be calculated from the data?	Yes/ Partly/ No/Unclear/NA Yes Yes Yes Partly Partly Yes Yes Yes Yes Yes	Up to 65 years of age Level of dependency Literature review & further assumptions Literature review & further assumptions Provincial government estimates Provincial
Other domin Secti 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Is an appropriate incremental analysis presented or can it be calculated from the data? Are all important parameters whose values are uncertain subjected to appropriate sensitivity analysis?	Yes/ Partly/ No/Unclear/NA Yes Yes Yes Partly Partly Yes Yes Yes Yes	Up to 65 years of age Level of dependency Literature review & further assumptions Literature review & further assumptions Provincial government estimates Provincial
Other domin Section 2.1 2.2 2.3 2.4	comments: no QALYs estimated but outcome measure considered remance on 2: Study limitations (level of methodological quality) Does the model structure adequately reflect the nature of the health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be calculated from the data? Are all important parameters whose values are uncertain subjected	Yes/ Partly/ No/Unclear/NA Yes Yes Yes Partly Partly Yes Yes Yes Yes Yes	Comments Up to 65 years of age Level of dependency Literature review & further assumptions Literature review & further assumptions Provincial government estimates Provincial



Study: Peters-Scheffer N, Didden R, Korzilius H, Matson J. Cost comparison of early intensive behavioral intervention and treatment as usual for children with autism spectrum disorder in the Netherlands. Research in Developmental Disabilities 2012; 33(6): 1763-1772. Economic Question: Early Intensive Behavioural Intervention (EIBI) vs. treatment as usual Section 1: Applicability (relevance to specific guideline review Yes/ Partly/ Comments question and the NICE reference case) No/Unclear/NA Is the study population appropriate for the guideline? Yes Preschool children with autism (mean age 3 years) 1.2 Are the interventions and services appropriate for the guideline? Yes Is the healthcare system in which the study was conducted 1.3 Partly Netherlands sufficiently similar to the current UK NHS context? publicly funded system Are costs measured from the NHS and personal social services No Public sector costs (PSS) perspective? 1.5 Are non-direct health effects on individuals excluded? Yes 1.6 Are both costs and health effects discounted at an annual rate of No 3.5%? 1.7 Is the value of health effects expressed in terms of quality-adjusted NA Cost analysis life years (QALYs)? Are changes in health-related quality of life (HRQoL) reported 1.8 NA directly from patients and/or carers? Is the valuation of changes in HRQoL (utilities) obtained from a NA 1.9 representative sample of the general public? Overall judgement: Partially applicable 1.10 Other comments: Section 2: Study limitations (level of methodological quality) Yes/ Partly/ Comments No/Unclear/NA 2.1 Does the model structure adequately reflect the nature of the Yes health condition under evaluation? 2.2 Is the time horizon sufficiently long to reflect all important Yes Up to 65 years of differences in costs and outcomes? age Yes 2.3 Are all important and relevant health outcomes included? Level of dependency Yes 2.4 Are the estimates of baseline health outcomes from the best Literature review & available source? local data 2.5 Are the estimates of relative treatment effects from the best Partly Review of metaavailable source? analyses & assumptions 2.6 Yes Are all important and relevant costs included? Are the estimates of resource use from the best available source? National data & 2.7 Partly assumptions 2.8 Are the unit costs of resources from the best available source? Partly National data & assumptions 2.9 Is an appropriate incremental analysis presented or can it be NA Cost analysis calculated from the data? Are all important parameters whose values are uncertain subjected Partly to appropriate sensitivity analysis? 2.11 Is there no potential conflict of interest? Yes Overall assessment: Potentially serious limitations 2.12 Other comments: efficacy data selected based on their applicability to the Dutch setting / naïve addition of metaanalytic data across same treatment arms

Autism: the management and support of children and young people on the autism spectrum

	: Guideline economic analysis		
Econ	omic Question: CBT for the management of co-existing anxiety in chi	ldren and young pe	eople with autism
	on 1: Applicability (relevance to specific guideline review tion and the NICE reference case)	Yes/ Partly/ No/Unclear/NA	Comments
1.1	Is the study population appropriate for the guideline?	Yes	
1.2	Are the interventions and services appropriate for the guideline?	Yes	
1.3	Is the healthcare system in which the study was conducted sufficiently similar to the current UK NHS context?	Yes	
1.4	Are costs measured from the NHS and personal social services (PSS) perspective?	Yes	
1.5	Are non-direct health effects on individuals excluded?	Yes	
1.6	Are both costs and health effects discounted at an annual rate of 3.5%?	NA	Time horizon 38 weeks
1.7	Is the value of health effects expressed in terms of quality-adjusted life years (QALYs)?	Yes	
1.8	Are changes in health-related quality of life (HRQoL) reported directly from patients and/or carers?	Yes	
1.9	Is the valuation of changes in HRQoL (utilities) obtained from a representative sample of the general public?	Partly	SG, Canadian population
1.10	Overall judgement: Partially applicable		
	comments:		
Secti	on 2: Study limitations (level of methodological quality)	Yes/ Partly/ No/Unclear/NA	Comments
2.1	Does the model structure adequately reflect the nature of the	Yes	
	health condition under evaluation?	100	
2.2	health condition under evaluation? Is the time horizon sufficiently long to reflect all important differences in costs and outcomes?	Partly	38 weeks
	Is the time horizon sufficiently long to reflect all important		38 weeks
2.2	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source?	Partly Yes Partly	Guideline meta- analysis
2.2	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source?	Partly Yes Partly Yes	Guideline meta- analysis Guideline meta- analysis
2.2 2.3 2.4	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best	Partly Yes Partly	Guideline meta- analysis Guideline meta-
2.2 2.3 2.4 2.5	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source?	Partly Yes Partly Yes	Guideline meta- analysis Guideline meta- analysis Costs directly associated with
2.2 2.3 2.4 2.5 2.6	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included?	Partly Yes Partly Yes Partly	Guideline meta- analysis Guideline meta- analysis Costs directly associated with anxiety not included
2.2 2.3 2.4 2.5 2.6	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source?	Partly Yes Partly Yes Partly Partly	Guideline meta- analysis Guideline meta- analysis Costs directly associated with anxiety not included RCT-reported data
2.2 2.3 2.4 2.5 2.6 2.7 2.8	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be calculated from the data? Are all important parameters whose values are uncertain subjected to appropriate sensitivity analysis?	Partly Yes Partly Yes Partly Yes Partly Yes	Guideline meta- analysis Guideline meta- analysis Costs directly associated with anxiety not included RCT-reported data
2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be calculated from the data? Are all important parameters whose values are uncertain subjected	Partly Yes Partly Yes Partly Yes Partly Yes Yes Yes	Guideline meta- analysis Guideline meta- analysis Costs directly associated with anxiety not included RCT-reported data National unit costs
2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 2.10	Is the time horizon sufficiently long to reflect all important differences in costs and outcomes? Are all important and relevant health outcomes included? Are the estimates of baseline health outcomes from the best available source? Are the estimates of relative treatment effects from the best available source? Are all important and relevant costs included? Are the estimates of resource use from the best available source? Are the unit costs of resources from the best available source? Is an appropriate incremental analysis presented or can it be calculated from the data? Are all important parameters whose values are uncertain subjected to appropriate sensitivity analysis?	Partly Yes Partly Yes Partly Yes Partly Yes Yes Yes	Guideline meta- analysis Guideline meta- analysis Costs directly associated with anxiety not included RCT-reported data National unit costs