

# DOKUMENTASJON AV LITTERATURSØK

**Kunnskapsbasert faglig retningslinje for  
diagnostisk utredning av Føtal Alkohol Spektrum  
forstyrrelse (FASD) i barne- og ungdomsalder**



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## Dokumentasjon av litteratursøk

<b>Prosedyrens tittel</b>	<b>Kunnskapsbasert faglig retningslinje for diagnostisk utredning av Føtal Alkohol Spektrum forstyrrelse (FASD) i barne- og ungdomsalder</b>
<b>Kontakt detaljer prosedyremakere</b>	Navn: Anne Cecilie Tveiten E-post: <a href="mailto:ancetv@sshf.no">ancetv@sshf.no</a> Tlf: 37075750
<b>Bibliotekar som utførte eller veiledet søket</b>	Navn: Sonja May Amundsen Arbeidssted: Medisinsk bibliotek, Sørlandet sykehus E-post: <a href="mailto:Sonja.May.Amundsen@sshf.no">Sonja.May.Amundsen@sshf.no</a> Tlf: 37014237

## Retningslinjer og kliniske oppslagsverk

<b>Database/kilde</b>	<a href="#">eHåndboka OUS (fokus på de kunnskapsbaserte fagprosedyrene)</a> (obligatorisk)
<b>Dato for søk</b>	<a href="#">161023</a>
<b>Søkehistorie eller fremgangsmåte</b>	Tittelsøk: «FASD» / «Føtal Alkohol Spektrum forstyrrelse» / «Føtal Alkohol Spektrum vanske» Fritekstsøk: «FASD» / «Føtal Alkohol Spektrum forstyrrelse» / «Føtal Alkohol Spektrum vanske» Avansert søk: «FASD» / «Føtal Alkohol Spektrum forstyrrelse» / «Føtal Alkohol Spektrum vanske»
<b>Kommentarer</b>	1 treff tittelsøk «FASD», men ingen relevante treff.

<b>Database/kilde</b>	<a href="#">Nasjonale faglige retningslinjer, veiledere, prioriteringsveiledere og pakkeforløp fra Helsedirektoratet</a> (obligatorisk)
<b>Dato for søk</b>	28.07.2021
<b>Søkehistorie eller fremgangsmåte</b>	Gjennomgang av innhold under Helsedirektoratets «Nasjonale anbefalinger, råd, pakkeforløp og pasientforløp»
<b>Kommentarer</b>	Fant og tok i bruk den nasjonale veilederen «Veileder for utvikling av kunnskapsbaserte retningslinjer».

<b>Database/kilde</b>	<a href="#">UpToDate</a> (obligatorisk)
<b>Dato for søk</b>	11.04.2022, 28.04.2023, 16.08.2023, 16.10.23



<b>Søkehistorie eller fremgangsmåte</b>	Søkeord: "FASD"  Gikk gjennom treff og fant tre relevante sider: (1) Fetal alcohol spectrum disorder: Management and prognosis, (2) Fetal alcohol spectrum disorder: Management and prognosis, og (3) Society guideline links: Fetal alcohol spectrum disorder.
<b>Patient Education</b>	Patient education: Fetal alcohol syndrome (The Basics)  ( <a href="https://www.uptodate.com/contents/fetal-alcohol-syndrome-the-basics?search=FASD&amp;topicRef=94601&amp;source=related_link">https://www.uptodate.com/contents/fetal-alcohol-syndrome-the-basics?search=FASD&amp;topicRef=94601&amp;source=related_link</a> , 16.10.2023)
<b>Kommentarer</b>	Treffene er brukt gjennom hele prosessen.

<b>Database/kilde</b>	<a href="#">BMJ Best Practice</a> (obligatorisk)
<b>Dato for søk</b>	11.04.2022, 28.04.2023, 16.08.2023, 16.10.23
<b>Søkehistorie eller fremgangsmåte</b>	Søkeord: "FASD" Relevant treff: "Fetal alcohol spectrum disorder"
<b>Patient leaflets</b>	Fetal alcohol spectrum disorders: what is it?  ( <a href="https://bestpractice.bmj.com/patient-leaflets/en-gb/html/3000192/Fetal%20alcohol%20spectrum%20disorders%3A%20what%20is%20it%3F">https://bestpractice.bmj.com/patient-leaflets/en-gb/html/3000192/Fetal%20alcohol%20spectrum%20disorders%3A%20what%20is%20it%3F</a> , 16.10.2023)  Fetal alcohol spectrum disorders: what treatments work?  ( <a href="https://bestpractice.bmj.com/patient-leaflets/en-gb/html/3000191/Fetal%20alcohol%20spectrum%20disorders%3A%20what%20treatments%20work%3F">https://bestpractice.bmj.com/patient-leaflets/en-gb/html/3000191/Fetal%20alcohol%20spectrum%20disorders%3A%20what%20treatments%20work%3F</a> , 16.10.2023)
<b>Kommentarer</b>	Treffene er brukt gjennom hele prosessen.

<b>Database/kilde</b>	<a href="#">NICE Guidance</a> (UK) (obligatorisk)
<b>Dato for søk</b>	11.04.2022
<b>Søkehistorie eller fremgangsmåte</b>	Søkeord: «fetal alcohol spectrum disorder» Treff: «Fetal alcohol spectrum disorder: Quality standard [QS204]»
<b>Kommentarer</b>	Nasjonale retningslinjer og anbefalinger fra The National Institute for Health and Care Excellence (NICE) i England.

<b>Database/kilde</b>	<a href="#">Helsebibliotekets retningslinjer og veiledere</a>
<b>Dato for søk</b>	28.07.2021, 11.04.2022, 16.08.2023
<b>Søkehistorie eller fremgangsmåte</b>	Gjennomgang av alle retningslinjer under «Pediatriveiledere – Barn og unge», men fant ingen om FASD.  Relevante treff:  Antisocial behaviour and conduct disorders in children and young people: recognition and management: Clinical guideline [CG158] ( <a href="https://www.nice.org.uk/guidance/CG158">https://www.nice.org.uk/guidance/CG158</a> )  ADHD/Hyperkinetisk forstyrrelse – Nasjonal faglig retningslinje for utredning, behandling og oppfølging ( <a href="https://www.helsebiblioteket.no/innhold/nasjonal-faglig-retningslinje/adhd-hyperkinetisk-forstyrrelse--nasjonal-faglig-retningslinje-for-utredning-behandling-og-oppfolging">https://www.helsebiblioteket.no/innhold/nasjonal-faglig-retningslinje/adhd-hyperkinetisk-forstyrrelse--nasjonal-faglig-retningslinje-for-utredning-behandling-og-oppfolging</a> )



	<p>Diagnostisk utredning av barn og unge ved spørsmål om utviklingshemming (<a href="https://oslo-universitetssykehus.no/fag-og-forskning/nasjonale-og-regionale-tjenester/rhabu/diagnostisk-utredning-av-barn-og-unge-ved-sporsmal-om-utviklingshemming">https://oslo-universitetssykehus.no/fag-og-forskning/nasjonale-og-regionale-tjenester/rhabu/diagnostisk-utredning-av-barn-og-unge-ved-sporsmal-om-utviklingshemming</a>)</p> <p>Attention deficit hyperactivity disorder: diagnosis and management: NICE guideline [NG87] (<a href="https://www.nice.org.uk/guidance/NG87">https://www.nice.org.uk/guidance/NG87</a>)</p> <p>Regional retningslinje for utredning og diagnostisering av autismspekterforstyrrelser hos barn, unge og voksne (<a href="https://www.helsebiblioteket.no/innhold/lenker/retningslinjer-og-veiledere/psykisk-helse/regional-retningslinje-for-utredning-og-diagnostisering-av-autismspekterforstyrrelser-hos-barn-unge-og-voksne">https://www.helsebiblioteket.no/innhold/lenker/retningslinjer-og-veiledere/psykisk-helse/regional-retningslinje-for-utredning-og-diagnostisering-av-autismspekterforstyrrelser-hos-barn-unge-og-voksne</a>)</p> <p>Utfordrende atferd - Behandlingslinje for utredning og behandling av utfordrende atferd (<a href="https://www.helsebiblioteket.no/innhold/lenker/psykisk-helse/pakkeforlop/behandlingslinje-for-utredning-og-behandling-av-utfordrende-atferd">https://www.helsebiblioteket.no/innhold/lenker/psykisk-helse/pakkeforlop/behandlingslinje-for-utredning-og-behandling-av-utfordrende-atferd</a>)</p>
<b>Kommentarer</b>	Ingen om FASD, men flere relevante retningslinjer.

<b>Database/kilde</b>	Retningslinjer fra UpToDate
<b>Dato for søk</b>	15.12.2021, 16.10.2023
<b>Søkehistorie eller fremgangsmåte</b>	<p>Søkeord: "FASD", «klikket» på «Fetal alcohol spectrum disorder: Management and prognosis» og deretter ble det «klikket» videre inn på «Society guideline links» under «Topic» i UpToDate (<a href="https://www.uptodate.com/contents/society-guideline-links-fetal-alcohol-spectrum-disorder?search=FASD&amp;topicRef=94601&amp;source=see_link">https://www.uptodate.com/contents/society-guideline-links-fetal-alcohol-spectrum-disorder?search=FASD&amp;topicRef=94601&amp;source=see_link</a>)</p> <p>Canada</p> <ul style="list-style-type: none"><li>- Canada Fetal Alcohol Spectrum Disorder Research Network (CanFASD): Fetal alcohol spectrum disorder – A guideline for diagnosis across the lifespan (2016)</li></ul> <p>United States</p> <ul style="list-style-type: none"><li>- Centers for Disease Control and Prevention (CDC): Fetal alcohol spectrum disorders (FASDs)</li><li>- American Academy of Pediatrics (AAP): Clinical report on fetal alcohol spectrum disorders (2015, reaffirmed 2021)</li><li>- AAP: Clinical report on the role of integrated care in a medical home for patients with a fetal alcohol spectrum disorder (2018)</li><li>- AAP: Updated clinical guidelines for diagnosing fetal alcohol spectrum disorders (2016)</li></ul> <p>United Kingdom</p> <ul style="list-style-type: none"><li>- National Institute for Health and Care Excellence (NICE): Quality standard on fetal alcohol spectrum disorder (2022)</li><li>- Scottish Intercollegiate Guidelines Network (SIGN): Children and young people exposed prenatally to alcohol – A national clinical guideline (2019)</li><li>- British Medical Association (BMA): Alcohol and pregnancy – Preventing and managing fetal alcohol spectrum disorders (2007, updated 2016)</li></ul>
<b>Antall treff</b>	8 treff
<b>Kommentarer</b>	NICE (2022) er nytt treff siden første søk.

<b>Database/kilde</b>	Retningslinjer fra BMJ Best Practice
<b>Dato for søk</b>	15.12.2021, 16.10.2023
<b>Søkehistorie eller fremgangsmåte</b>	<p>Søkeord: "FASD", «klikket» på «Fetal alcohol spectrum disorder» og deretter ble det «klikket» videre inn på «Guidelines» under «Resources» i BMJ. (<a href="https://bestpractice.bmj.com/topics/en-gb/1141/guidelines">https://bestpractice.bmj.com/topics/en-gb/1141/guidelines</a>).</p> <p>United Kingdom</p>



	<ul style="list-style-type: none"><li>- Children and young people exposed prenatally to alcohol: a national clinical guideline. Published by: Scottish Intercollegiate Guidelines Network (SIGN). Last published: 2019</li></ul> <p>North America</p> <ul style="list-style-type: none"><li>- Fetal alcohol spectrum disorders. Published by: American Academy of Pediatrics. Last published: 2015</li><li>- Fetal alcohol spectrum disorder: a guideline for diagnosis across the lifespan. Published by: Canada Fetal Alcohol Spectrum Disorder Research Network. Last published: 2016</li><li>- Updated clinical guidelines for diagnosing fetal alcohol spectrum disorders. Published by: Institute of Medicine. Last published: 2016</li><li>- Fetal alcohol syndrome: guidelines for referral and diagnosis. Published by: National Center on Birth Defects and Developmental Disabilities; Centers for Disease Control and Prevention. Last published: 2005</li><li>- FASD 4-digit diagnostic code. Published by: FAS Diagnostic &amp; Prevention Network. Last published: 2004</li><li>- Fetal alcohol syndrome: diagnosis, epidemiology, prevention, and treatment. Published by: Institute of Medicine. Last published: 1996</li></ul> <p>Oceania</p> <ul style="list-style-type: none"><li>- Report to the Australian Government Department of Health: Australian guide to the diagnosis of fetal alcohol spectrum disorder. Published by: The University of Western Australia; University of Sydney. Last published: 2020</li><li>- Australian guidelines to reduce health risks from drinking alcohol. Published by: National Health and Medical Research Council, Australia. Last published: 2009</li></ul>
<b>Antall treff</b>	9 treff
<b>Kommentarer</b>	

<b>Database/kilde</b>	Guidelines International Network
<b>Dato for søk</b>	15.12.2021
<b>Søkehistorie eller fremgangsmåte</b>	Søkeord: «FASD» Treff: <ul style="list-style-type: none"><li>- Fetale Alkoholspektrumstörungen, FASD - Diagnostik. S3-LL (GNP). Guideline Contact Ina Kopp. Publication Year: 2016</li></ul>
<b>Antall treff</b>	1
<b>Kommentarer</b>	

<b>Database/kilde</b>	Retningslinjesøk i <a href="#">MEDLINE</a>
<b>Dato for søk</b>	15.12.2021
<b>Søkehistorie eller fremgangsmåte</b>	Medline: 10 (2 relevante treff) Updated Clinical Guidelines for Diagnosing Fetal Alcohol Spectrum Disorders. (Hoyme HE, Kalberg WO, Elliott AJ, Blankenship J, Buckley D, Marais AS, Manning MA, Robinson LK, Adam MP, Abdul-Rahman O, Jewett T, Coles CD, Chambers C, Jones KL, Adnams CM, Shah PE, Riley EP, Charness ME, Warren KR, May PA., 2016) Fetal alcohol spectrum disorder: Canadian guidelines for diagnosis. (Chudley AE, Conry J, Cook JL, Look C, Rosales T, LeBlanc N., 2005) 1 Fetal Alcohol Spectrum Disorders/ 4695 2 (fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw. 5179 3 1 or 2 6698 4 (static adj encephalopathy).tw,kw. 157



5	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw,kw.	231
6	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw.	170
7	3 or 4 or 5 or 6	6905
8	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw.	2676
9	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	144
10	8 or 9	2755
11	7 or 10	7779
12	Guideline/	16586
13	guideline*.tw,kw.	483773
14	12 or 13	492835
15	11 and 14	175
16	limit 15 to (guideline or practice guideline)	10
Embase: 199 (4 relevante treff)		
Diagnostics of fetal alcohol spectrum disorders in pediatrics: Recommendations for the practice according to the S3 guidelines.Diagnostik Fetaler Alkoholspektrumstorungen in der Kinder- und Jugendmedizin: Empfehlungen für die Praxis gemas der S3-Leitlinie (Landgraf M.N., Heinen F., 2017)		
Fetal alcohol spectrum disorder: A guideline for diagnosis across the lifespan. (Cook J.L., Green C.R., Lilley C.M., Anderson S.M., Baldwin M.E., Chudley A.E., Conry J.L., LeBlanc N., Looock C.A., Lutke J., Mallon B.F., McFarlane A.A., Temple V.K., Rosales T., 2016)		
Updated clinical guidelines for diagnosing fetal alcohol spectrum disorders. (Hoyme H.E., Kalberg W.O., Elliott A.J., Blankenship J., Buckley D., Marais A.-S., Manning M.A., Robinson L.K., Adam M.P., Abdul-Rahman O., Jewett T., Coles C.D., Chambers C., Jones K.L., Adnams C.M., Shah P.E., Riley E.P., Charness M.E., Warren K.R., May P.A., 2016)		
Fetal alcohol spectrum disorder: a guideline for diagnosis across the lifespan. (Jocelynn L. Cook PhD, Courtney R. Green PhD, Christine M. Lilley PhD, Sally M. Anderson PhD, Mary Ellen Baldwin MD, Albert E. Chudley PhD, Julianne L. Conry MD, Nicole LeBlanc MD, Christine A. Looock MSW, Jan Lutke MBA, Bernadene F. Mallon PhD, Audrey A. McFarlane MD, Valerie K. Temple and Ted Rosales, 2016).		
1	fetal alcohol syndrome/	7742
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw.	7932
3	1 or 2	10231
4	(static adj encephalopathy).tw,kw.	245
5	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw,kw.	334
6	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw.	215
7	3 or 4 or 5 or 6	10539
8	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw.	4188
9	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	225
10	8 or 9	4308
11	7 or 10	11925
12	practice guideline/	560225
13	11 and 12	200
14	limit 13 to (danish or english or german or norwegian or swedish)	199



	<p>APA PsycInfo: 86 (3 relevante treff)</p> <p>Fetal alcohol spectrum disorder: A guideline for diagnosis across the lifespan. (Cook, Jocelynn L; Green, Courtney R; Lilley, Christine M; Anderson, Sally M; Baldwin, Mary Ellen; Chudley, Albert E; Conry, Julianne L; LeBlanc, Nicole; Looock, Christine A; Lutke, Jan; Mallon, Bernadene F; McFarlane, Audrey A; Temple, Valerie K; Rosales, Ted., 2016)</p> <p>Distinguishing between attention-deficit hyperactivity and fetal alcohol spectrum disorders in children: Clinical guidelines. (Peadon, Elizabeth; Elliott, Elizabeth J., 2010)</p> <p>Fetal alcohol spectrum disorder: Canadian guidelines for diagnosis. (Chudley, Albert E; Conry, Julianne; Cook, Jocelynn L; Looock, Christine; Rosales, Ted; LeBlanc, Nicole., 2005)</p> <p>1 fetal alcohol syndrome/ 2119</p> <p>2 (fasd* or ((fet* or foetal*) adj alcohol*).tw. 2880</p> <p>3 1 or 2 2975</p> <p>4 (static adj encephalopathy).tw. 44</p> <p>5 (alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 172</p> <p>6 (alcohol* adj3 (birth defect* or birth abnormal*).tw. 71</p> <p>7 3 or 4 or 5 or 6 3043</p> <p>8 ((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw. 1828</p> <p>9 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 49</p> <p>10 8 or 9 1847</p> <p>11 7 or 10 3681</p> <p>12 guideline*.tw. 78822</p> <p>13 11 and 12 89</p> <p>14 limit 13 to (danish or english or german or norwegian or swedish) 86</p> <p>AMED: 0 treff</p> <p>1 (fasd* or ((fet* or foetal*) adj alcohol*).tw. 46</p> <p>2 (alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 4</p> <p>3 (alcohol* adj3 (birth defect* or birth abnormal*).tw. 0</p> <p>4 ((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw. 10</p> <p>5 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 0</p> <p>6 (static adj encephalopathy).tw. 3</p> <p>7 or/1-6 55</p> <p>8 Guidelines/ 2372</p> <p>9 guideline*.tw. 6803</p> <p>10 8 or 9 6803</p> <p>11 7 and 100</p>
Antall treff	9
Kommentarer	Totalt 9 relevante treff. 6 etter fjerning av duplater.





## Systematiske oversikter

Database/kilde	<a href="#">The Cochrane Library</a> (obligatorisk)
Dato for søk	28.04.2023, 16.10.2023
Søkehistorie	«fetal alcohol spectrum disorder»
Antall treff	Cochrane Reviews (2)
Kommentarer	Ingen relevante treff

Database/kilde	<a href="#">Epistemonikos</a> (obligatorisk)
Dato for søk	28.04.2023, 17.08.2023
Søkehistorie eller fremgangsmåte	Søkeord: «fetal alcohol spectrum disorder» Relevante treff: <ul style="list-style-type: none"><li>- Assessment, S. B. U. S. A. f. H. T. and S. Assessment of Social (2016). "Assessment of diagnosis, family support and rehabilitation of children with alcohol spectrum disorder, FAS/FASD (Project record)." The Swedish Council on Health Technology Assessment (SBU).</li><li>- Blanck-Lubarsch, M., et al. (2023). "A systematic review: facial, dental and orthodontic findings and orofacial diagnostics in patients with FASD." <i>Frontiers in pediatrics</i> 11: 1169570.</li><li>- Esper, L. H. and E. F. Furtado (2014). "Identifying maternal risk factors associated with Fetal Alcohol Spectrum Disorders: a systematic review." <i>European child &amp; adolescent psychiatry</i> 23(10): 877-889.</li><li>- Fuglestad, A. J., et al. (2013). "Inadequate intake of nutrients essential for neurodevelopment in children with fetal alcohol spectrum disorders (FASD)." <i>Neurotoxicology and teratology</i> 39: 128-132.</li><li>- Health Services Assessment, C. (2008). "Fetal Alcohol Spectrum Disorders (FASD): systematic reviews of prevention, diagnosis and management." <i>HTA Database</i>.</li><li>- Hofer, R. and L. Burd (2009). "Review of published studies of kidney, liver, and gastrointestinal birth defects in fetal alcohol spectrum disorders." <i>Birth defects research. Part A, Clinical and molecular teratology</i> 85(3): 179-183.</li><li>- Roozen, S., et al. (2016). "Worldwide Prevalence of Fetal Alcohol Spectrum Disorders: A Systematic Literature Review Including Meta-Analysis." <i>Alcoholism, clinical and experimental research</i> 40(1): 18-32.</li><li>- Skorka, K., et al. (2020). "Experiences of Children with Fetal Alcohol Spectrum Disorder and Their Families: A Critical Review." <i>Alcoholism, clinical and experimental research</i> 44(6): 1175-1188.</li><li>- Yin Cheung, M. M., et al. (2021). "Ear Abnormalities among Children with Fetal Alcohol Spectrum Disorder: A Systematic Review and Meta-Analysis." <i>The Journal of pediatrics</i>.</li></ul>
Antall treff	Broad Synthesis (4) Structured summary (9) Systematic review (68)
Kommentarer	9 relevante treff.

Database/kilde	<a href="#">Clinical Queries Reviews</a> i MEDLINE (Systematic Reviews i PubMed)
Dato for søk	09.03.2022, 18.10.2023
Søkehistorie eller fremgangsmåte	1) Søkeord: "fetal alcohol spectrum disorders" Filter kategori: «Clinical studies» Filter: «Diagnosis» Scope: «Narrow» 2) Søkeord: "fetal alcohol spectrum disorders"



	Filter kategori: «Clinical studies» Filter: «Clinical Prediction Guides» Scope: «Narrow» 3) Søkeord: "fetal alcohol spectrum disorders" Filter kategori: «Clinical studies» Filter: «Etiology» Scope: «Narrow» 4) Søkeord: "fetal alcohol spectrum disorders" Filter kategori: «Clinical studies» Filter: «Prognosis» Scope: «Narrow»
Antall treff	1) 92, 2) 55, 3) 361, 4) 230
Kommentarer	<a href="https://pubmed.ncbi.nlm.nih.gov/clinical/">https://pubmed.ncbi.nlm.nih.gov/clinical/</a>

Database/kilde	<a href="#">Clinical Queries Reviews</a> i MEDLINE ("reviews (best balance of sensitivity and specificity)" i Ovid)
Dato for søk	FASD: 09.03.2022, 18.10.2023 Vekst: 11.08.2023 CNS: 09.08.2023
Søkehistorie	<b>FASD:</b> <u>Embase:</u> 1 fetal alcohol syndrome/ 7742 2 (fasd* or ((fet* or foetal*) adj alcohol*).tw,kw. 7932 3 1 or 2 10231 4 (alcohol* adj3 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw,kw. 334 5 (alcohol* adj3 (birth defect* or birth abnormal*).tw. 196 6 ((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw,kw. 4188 7 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw. 225 8 6 or 7 4308 9 3 and 8 2906 10 limit 9 to (danish or english or german or norwegian or swedish) 2871 11 limit 10 to (abstracts and conference abstract) 963 12 10 not 11 1908 13 limit 12 to "review" 313



<u>Ovid Medline:</u>	
Ovid MEDLINE(R) ALL <1946 to October 17, 2023>	
1	Fetal Alcohol Spectrum Disorders/ 4695
2	(fasd* or ((fet* or foetal*) adj alcohol*).tw,kw. 5184
3	1 or 2 6703
4	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw,kw. 233
5	(alcohol* adj3 (birth defect* or birth abnormal*).tw,kw. 170
6	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw,kw. 2681
7	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw. 144
8	6 or 7 2760
9	3 and 8 1868
10	limit 9 to (danish or english or german or norwegian or swedish) 1839
11	limit 10 to (guideline or meta analysis or practice guideline or "review" or "systematic review") 340
<u>APA PsycInfo:</u>	
1	fetal alcohol syndrome/ 2121
2	(fasd* or ((fet* or foetal*) adj alcohol*).tw. 2882
3	1 or 2 2977
4	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 172
5	(alcohol* adj3 (birth defect* or birth abnormal*).tw. 71
6	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw. 1828
7	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 49
8	6 or 7 1847
9	3 and 8 1202
10	limit 9 to (danish or english or german or norwegian or swedish) 1177
11	limit 10 to ("0800 literature review" or "0830 systematic review" or 1200 meta analysis) 130
<b>VEKST:</b>	
<u>Embase:</u>	
1	fetal alcohol syndrome/ 7742
2	(fasd* or ((fet* or foetal*) adj alcohol*).tw,kw. 7932
3	1 or 2 10231
4	(alcohol* adj3 neurodevelopment* adj3 (disorder* or defect* or abnormal*).tw,kw. 186
5	(alcohol* adj3 (birth defect* or birth abnormal*).tw,kw. 215
6	3 or 4 or 5 10282



7	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw. 4188
8	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw. 225
9	7 or 8 4308
10	6 or 9 11678
11	growth retardation/ 23264
12	(growth adj3 (retard* or restriction*)).tw,kw. 60782
13	11 or 12 72491
14	10 and 13 757
15	limit 14 to (meta analysis or "systematic review") 5
16	limit 15 to yr="2003 -Current" 5
<u>Ovid Medline:</u>	
1	Fetal Alcohol Spectrum Disorders/ 4695
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw. 5184
3	1 or 2 6703
4	(alcohol* adj3 neurodevelopment* adj3 (disorder* or defect* or abnormal*)).tw,kw. 137
5	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw. 170
6	3 or 4 or 5 6749
7	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw. 2681
8	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw. 144
9	7 or 8 2760
10	6 or 9 7632
11	Fetal Growth Retardation/ 18927
12	(growth adj3 (retardation* or restriction*)).tw,kw. 38378
13	11 or 12 45439
14	10 and 13 411
15	limit 14 to (guideline or meta analysis or practice guideline or "review" or "systematic review") 90
16	limit 15 to (danish or english or norwegian or swedish) 83
17	limit 16 to yr="2003 -Current" 41
<u>APA PsycInfo:</u>	
1	fetal alcohol syndrome/ 2121
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw. 2882
3	1 or 2 2977
4	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw. 172
5	(alcohol* adj3 (birth defect* or birth abnormal*)).tw. 71



6	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw. 1828	
7	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 49	
8	or/4-7 1946	
9	3 or 8 3647	
10	(fetal* adj2 growth).tw. 701	
11	(growth adj3 (retardation* or restriction*)).tw. 1176	
12	10 or 11 1644	
13	9 and 12 118	
14	limit 13 to ("0800 literature review" or "0830 review" or 1200 meta analysis or 1300 metasythesis) 20	systematic
15	limit 14 to (danish or english or norwegian or swedish) 19	
16	limit 15 to yr="2003 -Current" 10	
<b>CNS:</b>		
<u>Embase:</u>		
1	fetal alcohol syndrome/ 7742	
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw. 7932	
3	1 or 2 10231	
4	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw,kw. 334	
5	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw. 215	
6	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw. 4188	
7	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw. 225	
8	or/4-7 4579	
9	cognition/ 302124	
10	(function* adj2 (cognitive or neuropsychological or executive or (visuo-motor or visual-motor))).tw,kw. 168767	
11	(attention adj2 (sustain* or divi*)).tw,kw. 10193	
12	(language adj2 (expressive or impressive or pragmatic)).tw,kw. 3720	
13	(visu* adj2 (memor* or learning)).tw,kw. 21773	
14	((cogniti* or neuropsycho*) adj5 (memor* or learning or language or attention or vigilance or flexibilit* or inhibition or initiat* or fluency or shift* or planning or organizing or reasoning or empathy or recognition or re-cognition or retention or construction or copying or IQ)).tw,kw. 94320	
15	(memor* adj2 (verbal* or short term* or long term*)).tw,kw. 48273	
16	(learning adj2 (visu* or verbal*)).tw,kw. 14447	
17	((cogniti* or neuropsycho*) adj5 "Theory of Mind").tw,kw. 1448	
18	((cogniti* or neuropsycho*) adj5 (hyperactivit* or hyper-activit*)).tw,kw. 1158	
19	((cogniti* or neuropsycho*) adj5 ("word fluency" or "social cognition" or "impulse control")).tw,kw. 10741	



20	((cogniti* or neuropsych*) adj5 (IQ or "verbal IQ" or "Non-verbal IQ")).tw,kw.	2115
21	((cogniti* or neuropsych*) adj5 ("utilizing feedback" or feedback*).tw,kw.	1052
22	((cogniti* or neuropsych*) adj5 ("processing speed" or "fine motor coordination" or "fine-motor coordination")).tw,kw.	3908
23	(social* adj3 (perspective* or test*).tw,kw.	15416
24	mentalization.tw,kw.	1486
25	(cognitive adj2 flexibilit*).tw,kw.	5989
26	or/9-25	498692
27	(clinical* adj3 (assess* or evaluat* or confirm* or diagnos*).tw,kw.	720818
28	3 and 8 and 26 and 27	21
29	limit 28 to conference abstracts	6
30	28 not 29	15
31	limit 30 to (danish or english or german or norwegian or swedish)	14
32	limit 31 to (meta analysis or "systematic review")	0
<u>Ovid Medline:</u>		
1	Fetal Alcohol Spectrum Disorders/	4695
2	(fasd* or ((fet* or foetal*) adj alcohol*).tw,kw.	5184
3	1 or 2	6703
4	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw,kw.	233
5	(alcohol* adj3 (birth defect* or birth abnormal*).tw,kw.	170
6	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw,kw.	2681
7	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	144
8	or/3-7	7642
9	Cognition/	129062
10	(function* adj2 (cognitive or neuropsychological or executive or (visuo-motor or visual-motor))).tw,kw.	119269
11	(attention adj2 (sustain* or divi*).tw,kw.	7978
12	(language adj2 (expressive or impressive or pragmatic)).tw,kw.	2947
13	(visu* adj2 (memor* or learning)).tw,kw.	16180
14	((cogniti* or neuropsych*) adj5 (memor* or learning or language or attention or vigilance or flexibility or inhibition or initiating or fluency or shift or planning or organizing or reasoning or empathy or recognition or re-cognition or retention or construction or copying or IQ)).tw,kw.	66840
15	(memor* adj2 (verbal or short term* or long term*).tw,kw.	37994
16	(learning adj2 (visu* or verbal*).tw,kw.	10092
17	((cogniti* or neuropsych*) adj5 "Theory of Mind").tw,kw.	1048
18	((cogniti* or neuropsych*) adj5 (hyperactivit* or hyper-activit*).tw,kw.	842



19	((cogniti* or neuropsych*) adj5 ("word fluency" or "social cognition" or "impulse control")).tw,kw. 7982
20	((cogniti* or neuropsych*) adj5 (IQ or "verbal IQ" or "Non-verbal IQ")).tw,kw. 1310
21	((cogniti* or neuropsych*) adj5 ("utilizing feedback" or feedback*).tw,kw. 803
22	((cogniti* or neuropsych*) adj5 ("processing speed" or "fine motor coordination" or "fine-motor coordination")).tw,kw. 2520
23	(social adj3 (perspective or test*).tw,kw. 10432
24	mentalization.tw,kw. 1078
25	(cognitive adj2 flexibili*).tw,kw. 4633
26	or/9-25 308420
27	(clinical* adj3 (assess* or evaluat* or confirm* or diagnos*).tw,kw. 484984
28	3 and 8 and 26 and 27 17
29	limit 28 to (danish or english or german or norwegian or swedish) 17
30	limit 29 to (guideline or meta analysis or practice guideline or "review" or "systematic review") 3
<u>APA PsycInfo:</u>	
1	fetal alcohol syndrome/ 2121
2	(fasd* or ((fet* or foetal*) adj alcohol*).tw. 2882
3	1 or 2 2977
4	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 172
5	(alcohol* adj3 (birth defect* or birth abnormal*).tw. 71
6	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw. 1828
7	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 49
8	or/4-7 1946
9	exp Cognition/ 43834
10	(function* adj2 (cognitive or neuropsychological or executive or (visuo-motor or visual-motor))).tw. 87306
11	(attention adj2 (sustain* or divi*).tw. 8534
12	(language adj2 (expressive or impressive or pragmatic)).tw. 3718
13	(visu* adj2 (memor* or learning)).tw. 16433
14	((cogniti* or neuropsych*) adj5 (memor* or learning or language or attention or vigilance or flexibility or inhibition or initiating or fluency or shift or planning or organizing or reasoning or empathy or recognition or re-cognition or retention or construction or copying or IQ)).tw. 80020
15	(memor* adj2 (verbal* or short term* or long term*).tw. 33135
16	(learning adj2 (visu* or verbal)).tw. 11087
17	((cogniti* or neuropsych*) adj5 "Theory of Mind").tw. 1665
18	((cogniti* or neuropsych*) adj5 (hyperactivit* or hyper-activit*).tw. 783



	19 ((cogniti* or neuropsych*) adj5 ("word fluency" or "social cognition" or "impulse control")).tw. 15569
	20 ((cogniti* or neuropsych*) adj5 (IQ or "verbal IQ" or "Non-verbal IQ")).tw. 1375
	21 ((cogniti* or neuropsych*) adj5 ("utilizing feedback" or feedback*).tw. 1170
	22 ((cogniti* or neuropsych*) adj5 ("processing speed" or "fine motor coordination" or "fine-motor coordination")).tw. 1952
	23 (social adj3 (perspective or test*).tw. 18011
	24 mentalization.tw. 2468
	25 (cognitive adj2 flexibilit*).tw. 5300
	26 or/9-25 258734
	27 (clinical* adj3 (assess* or evaluat* or confirm* or diagnos*).tw. 57300
	28 3 and 8 and 26 and 27 15
	29 limit 28 to (danish or english or german or norwegian or swedish) 14
	30 limit 29 to ("0800literature review" or "0830systematic review" or 1200 meta analysis or 1300 metasyntesis) 1
<b>Antall treff</b>	FASD: 783 Vekst: 56 CNS: 4
<b>Kommentarer</b>	Søkene gjelder for vekst, CNS og generelt søk FASD.

## Kvalitetsvurderte enkeltstudier

<b>Database/kilde</b>	<a href="#">McMaster PLUS</a> – (ACP Journal Club (selected via PLUS) og PLUS Studies)
<b>Dato for søk</b>	15.12.2021, 28.04.2023, 17.08.2023
<b>Søkehistorie eller fremgangsmåte</b>	Søkeord: "fetal alcohol spectrum disorder"
<b>Antall treff</b>	Kliniske oppslagsverk: UpToDate (36), BMJ Best Practice (50) Kunnskapsbaserte retningslinjer: Guidelines in McMaster PLUS (0) Systematiske oversikter: ACP Journal Club (0), McMaster PLUS (2) Kvalitetsvurderte studier: ACP Journal Club (0), McMaster PLUS (4)
<b>Kommentarer</b>	Tall er fra siste søk.

## Primærstudier

<b>Database/kilde</b>	<a href="#">Ovid MEDLINE</a>
<b>Dato for søk</b>	09.03.2022





Søkehistorie	CNS:
	1 Fetal Alcohol Spectrum Disorders/ 4694
	2 (fasd* or ((fet* or foetal*) adj alcohol*).tw,kw. 5184
	3 1 or 2 6703
	4 (alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw,kw. 233
	5 (alcohol* adj3 (birth defect* or birth abnormal*).tw,kw. 170
	6 ((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw,kw. 2682
	7 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw. 144
	8 or/3-7 7642
	9 Cognition/ 128984
	10 (function* adj2 (cognitive or neuropsychological or executive or (visuo-motor or visual-motor))).tw,kw. 119239
	11 (attention adj2 (sustain* or divi*).tw,kw. 7979
	12 (language adj2 (expressive or impressive or pragmatic)).tw,kw. 2948
	13 (visu* adj2 (memor* or learning)).tw,kw. 16178
	14 ((cogniti* or neuropsycho*) adj5 (memor* or learning or language or attention or vigilance or flexibility or inhibition or initiating or fluency or shift or planning or organizing or reasoning or empathy or recognition or re-cognition or retention or construction or copying or IQ)).tw,kw. 66832
	15 (memor* adj2 (verbal or short term* or long term*).tw,kw. 37984
	16 (learning adj2 (visu* or verbal*).tw,kw. 10087
	17 ((cogniti* or neuropsycho*) adj5 "Theory of Mind").tw,kw. 1048
	18 ((cogniti* or neuropsycho*) adj5 (hyperactivit* or hyper-activit*).tw,kw. 842
	19 ((cogniti* or neuropsycho*) adj5 ("word fluency" or "social cognition" or "impulse control")).tw,kw. 7981
	20 ((cogniti* or neuropsycho*) adj5 (IQ or "verbal IQ" or "Non-verbal IQ")).tw,kw. 1308
	21 ((cogniti* or neuropsycho*) adj5 ("utilizing feedback" or feedback*).tw,kw. 803
	22 ((cogniti* or neuropsycho*) adj5 ("processing speed" or "fine motor coordination" or "fine-motor coordination")).tw,kw. 2519
	23 (social adj3 (perspective or test*).tw,kw. 10430
	24 mentalization.tw,kw. 1078
	25 (cognitive adj2 flexibility).tw,kw. 4628
	26 or/9-25 308344
	27 (clinical* adj3 (assess* or evaluat* or confirm* or diagnos*).tw,kw. 484941
	28 3 and 8 and 26 and 27 18
	29 limit 28 to (danish or english or german or norwegian or swedish) 18
	<b>VEKST:</b>
	1 Fetal Alcohol Spectrum Disorders/ 4694



2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw.	5184
3	1 or 2	6703
4	(alcohol* adj3 neurodevelopment* adj3 (disorder* or defect* or abnormal*)).tw,kw.	137
5	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw.	170
6	3 or 4 or 5	6749
7	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw.	2682
8	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	144
9	7 or 8	2761
10	6 or 9	7632
11	Fetal Growth Retardation/	18924
12	(growth adj3 (retardation or restriction)).tw,kw.	38154
13	11 or 12	45232
14	10 and 13	409
15	limit 14 to (yr="2017 -Current" and (danish or english or german or norwegian or swedish))	74
<b>MR:</b>		
1	Fetal Alcohol Spectrum Disorders/	4694
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw.	5184
3	1 or 2	6703
4	(static adj encephalopathy).tw,kw.	157
5	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw,kw.	233
6	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw.	170
7	3 or 4 or 5 or 6	6910
8	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw.	2682
9	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	144
10	("prenatally alcohol exposed" or "prenatally alcohol exposure" or "prenatal alcohol exposure" or "PAE").tw,kw.	4620
11	or/8-10	5464
12	7 or 11	10434
13	Magnetic Resonance Imaging/	477406
14	(magnetic adj resonance adj imag*).tw,kw.	291553
15	13 or 14	601102
16	("magnetic resonance imaging" adj5 ("epilepsy" or "FASD" or "Sleep" or "Nutrition" or "Eating" or "alcohol related birth defects")).tw,kw.	1024
17	15 or 16	601148
18	12 and 17	339



19	(child* or teen* or adolescent* or kid* or youth*).tw,kw.	2478680
20	18 and 19	180
21	(conference adj abstract*).tw,kw.	2776
22	20 not 21	180
23	limit 22 to animals	9
24	22 not 23	171
25	limit 24 to (danish or english or german or norwegian or swedish)	171
<b>EEG:</b>		
1	Fetal Alcohol Spectrum Disorders/	4694
2	(fasd* or ((fet* or foetal*) adj alcohol*).tw,kw.	5184
3	1 or 2	6703
4	(static adj encephalopathy).tw,kw.	157
5	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw,kw.	233
6	(alcohol* adj3 (birth defect* or birth abnormal*).tw,kw.	170
7	3 or 4 or 5 or 6	6910
8	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw,kw.	2682
9	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	144
10	("prenatally alcohol exposed" or "prenatally alcohol exposure" or "prenatal alcohol exposure" or "PAE").tw,kw.	4620
11	or/8-10	5464
12	7 or 11	10434
13	Electroencephalography/	161935
14	(eeg* or epilepsy*).tw,kw.	208835
15	13 or 14	290677
16	(eat* or sleep* or emotion*).tw,kw.	611239
17	(regulat* adj (problem* or disorder* or disrupt*).tw,kw.	1291
18	16 or 17	612217
19	15 or 18	870294
20	12 and 19	416
21	(animal adj stud*).tw,kw.	43278
22	20 not 21	411
23	(conference adj abstract*).tw,kw.	2776
24	22 not 23	411
25	(child* or teen* or adolescent* or kid* or youth*).tw,kw.	2478680
26	24 and 25	236
27	limit 26 to (danish or english or german or norwegian or swedish)	228



<b>Antall treff</b>	CNS: 18 Vekst: 74 MR: 171 EEG: 228
<b>Kommentarer</b>	

<b>Database/kilde</b>	<a href="#">Embase</a>
<b>Dato for søk</b>	09.03.2022
<b>Søkehistorie eller fremgangsmåte</b>	<b>CNS:</b> 1 fetal alcohol syndrome/ 7742 2 (fasd* or ((fet* or foetal*) adj alcohol*).tw,kw. 7932 3 1 or 2 10231 4 (alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw,kw. 334 5 (alcohol* adj3 (birth defect* or birth abnormal*).tw,kw. 215 6 ((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw,kw. 4188 7 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw. 225 8 or/4-7 4579 9 cognition/ 302124 10 (function* adj2 (cognitive or neuropsychological or executive or (visuo-motor or visual-motor))).tw,kw. 168767 11 (attention adj2 (sustain* or divi*).tw,kw. 10193 12 (language adj2 (expressive or impressive or pragmatic)).tw,kw. 3720 13 (visu* adj2 (memor* or learning)).tw,kw. 21773 14 ((cogniti* or neuropsycho*) adj5 (memor* or learning or language or attention or vigilance or flexibility or inhibition or initiating or fluency or shift or planning or organizing or reasoning or empathy or recognition or re-cognition or retention or construction or copying or IQ)).tw,kw. 92600 15 (memor* adj2 (verbal* or short term* or long term*).tw,kw. 48273 16 (learning adj2 (visu* or verbal)).tw,kw. 14415 17 ((cogniti* or neuropsycho*) adj5 "Theory of Mind").tw,kw. 1448 18 ((cogniti* or neuropsycho*) adj5 (hyperactivit* or hyper-activit*).tw,kw. 1158 19 ((cogniti* or neuropsycho*) adj5 ("word fluency" or "social cognition" or "impulse control")).tw,kw. 10471 20 ((cogniti* or neuropsycho*) adj5 (IQ or "verbal IQ" or "Non-verbal IQ")).tw,kw. 2115 21 ((cogniti* or neuropsycho*) adj5 ("utilizing feedback" or feedback*).tw,kw. 1052



22	((cogniti* or neuropsych*) adj5 ("processing speed" or "fine motor coordination" or "fine-motor coordination")).tw,kw.	3908
23	(social* adj3 (perspective* or test*)).tw,kw.	15416
24	mentalization.tw,kw.	1486
25	(cognitive adj2 flexibility).tw,kw.	5985
26	or/9-25	497757
27	(clinical* adj3 (assess* or evaluat* or confirm* or diagnos*)).tw,kw.	720818
28	3 and 8 and 26 and 27	21
29	limit 28 to conference abstracts	6
30	28 not 29	15
31	limit 30 to (danish or english or german or norwegian or swedish)	14
<b>VEKST:</b>		
1	fetal alcohol syndrome/	7742
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw.	7932
3	1 or 2	10231
4	(alcohol* adj3 neurodevelopment* adj3 (disorder* or defect* or abnormal*)).tw,kw.	186
5	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw.	215
6	3 or 4 or 5	10282
7	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw.	4188
8	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	225
9	7 or 8	4308
10	6 or 9	11678
11	growth retardation/	23264
12	(growth adj3 (retard* or restriction)).tw,kw.	60534
13	11 or 12	72245
14	10 and 13	754
15	limit 14 to ((danish or english or german or norwegian or swedish) and yr="2017 - Current")	131
16	limit 15 to (conference abstracts and conference abstract)	47
17	15 not 16	84
<b>MR:</b>		
1	fetal alcohol syndrome/	7742
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw.	7932
3	1 or 2	10231
4	(static adj encephalopathy).tw,kw.	245
5	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw,kw.	334



6	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw.	215
7	3 or 4 or 5 or 6	10539
8	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw.	4188
9	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	225
10	("prenatally alcohol exposed" or "prenatally alcohol exposure" or "prenatal alcohol exposure" or "PAE").tw,kw.	6845
11	or/8-10	8090
12	7 or 11	15606
13	nuclear magnetic resonance imaging/	1010840
14	(magnetic adj resonance adj imag*).tw,kw.	364201
15	("magnetic resonance imaging" adj5 ("epilepsy" or "FASD" or "Sleep" or "Nutrition" or "Eating" or "alcohol related birth defects")).tw,kw.	1593
16	13 or 14 or 15	1108106
17	12 and 16	696
18	(child* or teen* or adolescent* or kid* or youth*).tw,kw.	3173838
19	17 and 18	297
20	limit 19 to conference abstracts	92
21	19 not 20	205
22	limit 21 to animal studies	11
23	21 not 22	194
24	limit 23 to (danish or english or german or norwegian or swedish)	193
<b>EEG:</b>		
1	fetal alcohol syndrome/	7742
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw,kw.	7932
3	1 or 2	10231
4	(static adj encephalopathy).tw,kw.	245
5	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw,kw.	334
6	(alcohol* adj3 (birth defect* or birth abnormal*)).tw,kw.	215
7	3 or 4 or 5 or 6	10539
8	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw,kw.	4188
9	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw,kw.	225
10	("prenatally alcohol exposed" or "prenatally alcohol exposure" or "prenatal alcohol exposure" or "PAE").tw,kw.	6845
11	or/8-10	8090
12	7 or 11	15606
13	electroencephalogram/	132306
14	(eeg* or epilepsy).tw,kw.	297285



	15 13 or 14 345862
	16 (eat* or sleep* or emotion*).tw,kw. 839691
	17 (regulat* adj (problem* or disorder* or disrupt*)).tw,kw. 1481
	18 16 or 17 840768
	19 15 or 18 1143893
	20 12 and 19 816
	21 (animal adj stud*).tw,kw. 57537
	22 20 not 21 808
	23 limit 22 to conference abstracts 302
	24 22 not 23 506
	25 (child* or teen* or adolescent* or kid* or youth*).tw,kw. 3173838
	26 24 and 25 282
	27 limit 26 to (danish or english or german or norwegian or swedish) 267
<b>Antall treff</b>	CNS: 14 Vekst: 84 MR: 193 EEG: 267
<b>Kommentarer</b>	

<b>Database/kilde</b>	<a href="#">PsycINFO</a>
<b>Dato for søk</b>	09.03.2022
<b>Søkehistorie eller fremgangsmåte</b>	<b>CNS:</b> 1 fetal alcohol syndrome/ 2121 2 (fasd* or ((fet* or foetal*) adj alcohol*)).tw. 2882 3 1 or 2 2977 4 (alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw. 172 5 (alcohol* adj3 (birth defect* or birth abnormal*)).tw. 71 6 ((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw. 1828 7 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 49 8 or/4-7 1946 9 exp Cognition/ 43834 10 (function* adj2 (cognitive or neuropsychological or executive or (visuo-motor or visual-motor))).tw. 87306 11 (attention adj2 (sustain* or divided)).tw. 8191 12 (language adj2 (expressive or impressive or pragmatic)).tw. 3718



13	(visu* adj2 (memor* or learning)).tw.	16433
14	((cogniti* or neuropsych*) adj5 (memor* or learning or language or attention or vigilance or flexibility or inhibition or initiating or fluency or shift or planning or organizing or reasoning or empathy or recognition or re-cognition or retention or construction or copying or IQ)).tw.	80020
15	(memor* adj2 (verbal* or short term* or long term*)).tw.	33135
16	(learning adj2 (visu* or verbal)).tw.	11087
17	((cogniti* or neuropsych*) adj5 "Theory of Mind").tw.	1665
18	((cogniti* or neuropsych*) adj5 (hyperactivit* or hyper-activit*)).tw.	783
19	((cogniti* or neuropsych*) adj5 ("word fluency" or "social cognition" or "impulse control")).tw.	15569
20	((cogniti* or neuropsych*) adj5 (IQ or "verbal IQ" or "Non-verbal IQ")).tw.	1375
21	((cogniti* or neuropsych*) adj5 ("utilizing feedback" or feedback*)).tw.	1170
22	((cogniti* or neuropsych*) adj5 ("processing speed" or "fine motor coordination" or "fine-motor coordination")).tw.	1952
23	(social adj3 (perspective or test*)).tw.	18011
24	mentalization.tw.	2468
25	(cognitive adj2 flexibility).tw.	5293
26	or/9-25	258455
27	(clinical* adj3 (assess* or evaluat* or confirm* or diagnos*)).tw.	57300
28	3 and 8 and 26 and 27	15
29	limit 28 to (danish or english or german or norwegian or swedish)	14
<b>VEKST:</b>		
1	fetal alcohol syndrome/	2121
2	(fasd* or ((fet* or foetal*) adj alcohol*)).tw.	2882
3	1 or 2	2977
4	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw.	172
5	(alcohol* adj3 (birth defect* or birth abnormal*)).tw.	71
6	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw.	1828
7	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw.	49
8	or/4-7	1946
9	3 or 8	3647
10	(fetal* adj2 growth).tw.	701
11	(growth adj3 (retardation or restriction)).tw.	1161
12	10 or 11	1629
13	9 and 12	117
14	limit 13 to ((danish or english or german or norwegian or swedish) and yr="2017 - Current")	25





	<b>MR:</b>
1	fetal alcohol syndrome/ 2121
2	(fasd* or ((fet* or foetal*) adj alcohol*).tw. 2882
3	1 or 2 2977
4	(static adj encephalopathy).tw. 44
5	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 172
6	(alcohol* adj3 (birth defect* or birth abnormal*).tw. 71
7	3 or 4 or 5 or 6 3045
8	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw. 1828
9	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 49
10	("prenatally alcohol exposed" or "prenatally alcohol exposure" or "prenatal alcohol exposure" or "PAE").tw. 1461
11	or/8-10 1971
12	7 or 11 3798
13	exp Magnetic Resonance Imaging/ 55820
14	(magnetic adj resonance adj imag*).tw. 54174
15	("magnetic resonance imaging" adj5 ("epilepsy" or "FASD" or "Sleep" or "Nutrition" or "Eating" or "alcohol related birth defects")).tw. 330
16	13 or 14 or 15 78498
17	12 and 16 163
18	(child* or teen* or adolescent* or kid* or youth*).tw. 1023932
19	17 and 18 121
20	(conference adj abstract*).tw. 216
21	19 not 20 121
22	limit 21 to animal 5
23	21 not 22 116
24	limit 23 to (danish or english or german or norwegian or swedish) 116
	<b>EEG:</b>
1	fetal alcohol syndrome/ 2121
2	(fasd* or ((fet* or foetal*) adj alcohol*).tw. 2882
3	1 or 2 2977
4	(static adj encephalopathy).tw. 44
5	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 172
6	(alcohol* adj3 (birth defect* or birth abnormal*).tw. 71
7	3 or 4 or 5 or 6 3045
8	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw. 1828



	9 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 49
	10 ("prenatally alcohol exposed" or "prenatally alcohol exposure" or "prenatal alcohol exposure" or "PAE").tw. 1461
	11 or/8-10 1971
	12 7 or 11 3798
	13 exp Electroencephalography/ 36747
	14 (eeg* or epilepsy).tw. 79234
	15 13 or 14 86178
	16 (eat* or sleep* or emotion*).tw. 529480
	17 (regulat* adj (problem* or disorder* or disrupt*)).tw. 730
	18 16 or 17 529813
	19 15 or 18 601622
	20 12 and 19 341
	21 (animal adj stud*).tw. 5466
	22 20 not 21 336
	23 (conference adj abstract*).tw. 216
	24 22 not 23 336
	25 (child* or teen* or adolescent* or kid* or youth*).tw. 1023932
	26 24 and 25 236
	27 limit 26 to (danish or english or german or norwegian or swedish) 228
<b>Antall treff</b>	CNS: 14 Vekst: 25 MR: 116 EEG: 228
<b>Kommentarer</b>	

<b>Database/kilde</b>	<a href="#">AMED</a>
<b>Dato for søk</b>	09.03.2022
<b>Søkehistorie eller fremgangsmåte</b>	<b>CNS:</b> 1 (fasd* or ((fet* or foetal*) adj alcohol*).tw. 46 2 (alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 4 3 (alcohol* adj3 (birth defect* or birth abnormal*).tw. 0 4 ((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw. 10 5 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 0 6 or/1-5 52



7	cognition.tw.	5628
8	(function* adj2 (cognitive or neuropsychological or executive or (visuo-motor or visual-motor))).tw.	2430
9	(attention adj2 (sustain* or divided)).tw.	153
10	(language adj2 (expressive or impressive or pragmatic)).tw.	139
11	(visu* adj2 (memor* or learning)).tw.	185
12	((cogniti* or neuropsycho*) adj5 (memor* or learning or language or attention or vigilance or flexibilit* or inhibition or initiating or fluency or shift* or planning or organizing or reasoning or empathy or recognition or re-cognition or retention or construction or copying or IQ)).tw.	1515
13	(memor* adj2 (verbal* or short term* or long term*)).tw.	426
14	(learning adj2 (visu* or verbal*)).tw.	156
15	((cogniti* or neuropsycho*) adj5 "Theory of Mind").tw.	15
16	((cogniti* or neuropsycho*) adj5 (hyperactivit* or hyper-activit*)).tw.	39
17	((cogniti* or neuropsycho*) adj5 ("word fluency" or "social cognition" or "impulse control")).tw.	76
18	((cogniti* or neuropsycho*) adj5 (IQ or "verbal IQ" or "Non-verbal IQ")).tw.	24
19	((cogniti* or neuropsycho*) adj5 ("utilizing feedback" or feedback*)).tw.	25
20	((cogniti* or neuropsycho*) adj5 ("processing speed" or "fine motor coordination" or "fine-motor coordination")).tw.	59
21	(social* adj3 (perspective* or test*)).tw.	285
22	mentalization.tw.	5
23	(cognitive adj2 flexibility).tw.	49
24	or/7-23	8243
25	(clinical* adj3 (assess* or evaluat* or confirm* or diagnos*)).tw.	12057
26	6 and 24 and 25	0
<b>VEKST:</b>		
1	(fasd* or ((fet* or foetal*) adj alcohol*)).tw.	46
2	(alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*)).tw.	4
3	(alcohol* adj3 (birth defect* or birth abnormal*)).tw.	0
4	((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*)).tw.	10
5	(alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw.	0
6	or/1-5	52
7	(fetal adj2 growth adj3 (retardation or restriction)).tw.	3
8	(growth adj3 (retardation or restriction)).tw.	34
9	7 or 8	34
10	6 and 9	0
<b>MR:</b>		



	<p>1 (fasd* or ((fet* or foetal) adj alcohol*).tw. 46</p> <p>2 (alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 4</p> <p>3 (alcohol* adj3 (birth defect* or birth abnormal*).tw. 0</p> <p>4 ((prenatal or fet* or foetal or perinatal or intrauterin* or maternal) adj3 alcohol* adj3 (exposure* or injur*).tw. 10</p> <p>5 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 0</p> <p>6 (static adj encephalopathy).tw. 3</p> <p>7 or/1-6 55</p> <p>8 limit 7 to ((danish or english or norwegian or swedish) and yr="2011 -Current") 31</p> <p>9 (magnetic adj resonance adj imag*).tw. 3003</p> <p>10 ("magnetic resonance imaging" adj5 ("epilepsy" or "FASD" or "Sleep" or "Nutrition" or "Eating" or "alcohol related birth defects").tw. 1</p> <p>11 9 or 10 3003</p> <p>12 7 and 11 0</p> <p><b>EEG:</b></p> <p>1 (fasd* or ((fet* or foetal*) adj alcohol*).tw. 46</p> <p>2 (alcohol* adj5 (neurobehavi* or neurodevelopment*) adj3 (disorder* or defect* or abnormal*).tw. 4</p> <p>3 (alcohol* adj3 (birth defect* or birth abnormal*).tw. 0</p> <p>4 ((prenatal* or fet* or foetal* or perinatal* or intrauterin* or maternal*) adj3 alcohol* adj3 (exposure* or injur*).tw. 10</p> <p>5 (alcohol* adj3 (exposure* or injur*) adj2 pregnanc*).tw. 0</p> <p>6 (static adj encephalopathy).tw. 3</p> <p>7 ("prenatally alcohol exposed" or "prenatally alcohol exposure" or "prenatal alcohol exposure" or "PAE").tw. 26</p> <p>8 or/1-7 74</p> <p>9 (electroencephalogram* or eeg*).tw. 455</p> <p>10 epilepsy.tw. 885</p> <p>11 9 or 10 1302</p> <p>12 8 and 110</p> <p>13 8 and 9 0</p>
<b>Antall treff</b>	CNS: 0 Vekst: 0 MR: 0 EEG: 0
<b>Kommentarer</b>	