Bilaga till rapport

Olycksrisk och körförmåga i trafik hos personer
med adhd, autismspektrumtillstånd och
likartade tillstånd rapport 398 (2025)

Appendix 1 Search strategies

If all or a substantive part of the search strategies below are reused in another publication, please cite this report!

APA PsycInfo/ via EBSCO 7 January 2025
Title: ADHD and driving ability

Search terms	Items found
Population:	
1. DE "Attention Deficit Disorder" OR DE "Attention Deficit Disorder with Hyperactivity" OR DE "Autism Spectrum Disorders" OR DE "Autistic Traits" OR DE "Pervasive Developmental Disorders"	96921
2. TI (ADDH OR ADHD OR ADHS OR AD/HD OR ASC OR ASD OR PDD OR PDDs OR PDD-Nos)	16393
3. TI (adhd OR autis* OR asperg* OR "attention deficit*" OR "disruptive behavior" OR "disruptive behaviour" OR hyperactivity OR hyperactive OR "hyperkinetic syndrome" OR "hyperkinetic children" OR inattentive OR "minimal brain dysfunction" OR "neurodevelopmental disorder*" OR neurodisabilit* OR "neuropsychiatric disorder*" OR "pervasive developmental disorder*") OR AB (adhd OR autis* OR asperg* OR "attention deficit*" OR "disruptive behavior" OR "disruptive behaviour" OR hyperactivity OR hyperactive OR "hyperkinetic syndrome" OR "hyperkinetic children" OR inattentive OR "minimal brain dysfunction" OR "neurodevelopmental disorder*" OR neurodisabilit* OR "neuropsychiatric disorder*" OR "pervasive developmental disorder*")	137701
4. 1-3 (OR)	*142644*
Intervention/Outcome:	
5. (DE "Driving Behavior" OR DE "Aggressive Driving Behavior" OR DE "Driver Distraction" OR DE "Drivers" OR DE "Driving Under the Influence" OR DE "Highway Safety" OR DE "Motor Traffic Accidents") OR (DE "Transportation Accidents")	23081
6. TI ((accidents or crash or crashes or traffic))	9418
7. TI (("adolescent drivers" or "adverse driving outcomes" or "crash risk" or "dangerous driving" or (driver n2 (assessment*or capability or fitness or inattention or licens* or training)) or (driving n2 (abilit* or accidents or behavi* or capability or citations or hazard* or impairment or license or outcome* or performance or readiness or safety or skill or skills or simulator or simulation or studies or suitability or violation*)) or "distracted driving" or "driving risk*" or "fitness to drive" or "learning to drive" or "licensce suspension*" or "motor vehicle crash*" or "newly licenced drivers" or "novice drivers" or "off-road test*" or "pre-driving skills" or "real-world crash circumstances" or "real-world driving" or "riding behavior" or "risky driving" or "road accidents" or "road safety" or "self-reported driving" or "simulated driving" or "simulator driving" or "student drivers" or "teenage drivers*" or "time-to-collision estimation*" or "traffic crashes" or "traffic violations" or "unsafe driving" or "vehicle operation ability" or "virtual driving environment" or "young adult drivers" or "young drivers")) OR AB (("adolescent drivers" or "adverse driving outcomes" or "crash risk" or "dangerous driving" or (driver n2 (assessment*or capability or fitness or inattention or licens* or training)) or (driving n2 (abilit* or accidents or behavi* or capability or citations or hazard* or impairment or license or outcome* or performance or readiness or safety or skill or skills or simulator or simulation or studies or suitability or violation*)) or "distracted driving" or "driving risk*" or "fitness to drive" or "learning to drive" or "licensce suspension*" or "motor vehicle crash*" or "newly licenced drivers" or "novice drivers" or "off-road test*" or "pre-driving skills" or "real-world crash circumstances" or "real-world driving" or "riding behavior" or "risky driving" or "road accidents" or "road safety" or "self-reported driving" or "simulated driving" or "simulator driving" or "student drivers" or "teenage drivers*" or "time-to-collision estimation*" or "traffic crashes" or "traffic violations" or "unsafe driving" or "vehicle operation ability" or "virtual driving environment"	16046

or "young adult drivers" or "young drivers")) OR KW (("adolescent drivers" or "adverse driving outcomes" or "crash risk" or "dangerous driving" or (driver n2 (assessment*or capability or fitness or inattention or licens* or training)) or (driving n2 (abilit* or accidents or behavi* or capability or citations or hazard* or impairment or license or outcome* or performance or readiness or safety or skill or skills or simulator or simulation or studies or suitability or violation*)) or "distracted driving" or "driving risk*" or "fitness to drive" or "learning to drive" or "licensce suspension*" or "motor vehicle crash*" or "newly licenced drivers" or "novice drivers" or "off-road test*" or "pre-driving skills" or "real-world crash circumstances" or "real-world driving" or "riding behavior" or "risky driving" or "road accidents" or "road safety" or "self-reported driving" or "simulated driving" or "simulator driving" or "student drivers" or "teenage drivers*" or "time-to-collision estimation*" or "traffic crashes" or "traffic violations" or "unsafe driving" or "vehicle operation ability" or "virtual driving environment" or "young adult drivers" or "young drivers"))

8.	*5-7 (OR)*	*31056*
Study types: randomised controlled trials[1]		
9.	MH "Randomized Controlled Trials+" OR MH "Double-Blind Studies" OR MH "Single-Blind Studies" OR MH "Random Assignment" OR MH "Pretest-Posttest Design+" OR MH "Cluster Sample" OR MH "Sample Size" OR MH "Crossover Design" OR MH "Comparative Studies" OR MH "Placebos" OR PT (Randomized Controlled Trial) OR TI (randomised OR randomized) OR AB (random*) OR TI (trial) OR AB (assigned OR allocated OR control) OR AB (control W5 group) OR AB (cluster W3 rct)	861057
Study types: systematic reviews and meta-analyses		
10.	((DE "Meta Analysis" OR DE "Systematic Review" OR KW "Meta-analysis" OR KW "Systematic review" OR MA "Meta-Analysis" OR MA "Systematic Review" OR MR "Meta Analysis" OR MR "Systematic Review") OR TI((systematic N3 review) OR "meta analys*" OR metaanalys*) OR AB((systematic N3 review) OR "meta analys*" OR metaanalys*))	108531
Combined sets/Limits:		
11.	*4 AND 8 Limiters - Peer Reviewed; Language: Danish, English, Norwegian, Swedish*	*360*
Final result:		
12.	***11 and 10***	***17***
13.	***11 and 9***	***122***

The final search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract; **AU** = Author; **DE** = Term from the thesaurus; **EM** = Entry date; **KW** (Available in Academic Search Premiere / SocINDEX / PsycInfo) = Author keyword; **MH** = Exact Subject Heading from CINAHL Subject Headings; **MM** = Major Concept; **RD** = Release date; **SU** = Searches for a part of or an entire subject heading; **TI** = Title; **TX** = All Text. Performs a keyword search of all the database's searchable fields; **ZC** = Methodology Index; ***** = Truncation; **" "** = Citation Marks; searches for an exact phrase; **#** = replaces one or no letters; **?** = replaces one letter; **N** = Near Operator (N) finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear.; **W** = Within Operator (W) finds the words if they are within x words of one another, in the order in which you entered them

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[1] The Cochrane CINAHL Plus filter: Glanville J, Dooley G, Wisniewski S, Foxlee R, Noel-Storr A. Development of a search filter to identify reports of controlled clinical trials within CINAHL Plus. Health Info Libr J. 2019;36(1):73-90. Available from: https://doi.org/10.1111/hir.12251.

Medline via OvidSP 9 December 2024

Title: ADHD and driving ability

Search terms		Items found
Population:		
1.	Neurodevelopmental disorders/ or "Attention Deficit and Disruptive Behavior Disorders"/ or exp Attention Deficit Disorder with Hyperactivity/ or exp Autism Spectrum Disorder/ or exp Tourette Syndrome/	92214
2.	(ADDH or ADHS or "AD/HD" or ASC or ASD or DAMP or PDD or PDDs or PDD-Nos).ti or (adhd OR asperger* OR attention deficit hyperactivity disorder* OR attention deficit disorder* OR autism* OR autistic OR hyperactivity OR hyperactive OR hyperkinetic OR inattentive OR minimal brain dysfunction OR neurodevelopmental disorder* OR neurodisabilities OR neuropsychiatric disorder* OR pervasive developmental disorder*).ti,ab,kf.	175431
3.	*1 or 2*	*190028*
Intervention/Outcome:		
4.	exp Automobile Driving/ OR exp Accidents, Traffic/	64032
5.	(accidents or crash or crashes or traffic).ti.	34067
6.	(adolescent drivers or adverse driving outcomes or crash risk or dangerous driving or (driver adj2 (assessment*or capability or fitness or inattention or licens* or training)) or (driving adj2 (abilit* or accidents or behavi* or capability or citations or hazard* or impairment or license or outcome* or performance or readiness or safety or skill or skills or simulator or simulation or studies or suitability or violation*)) or distracted driving or driving risk* or fitness to drive or learning to drive or licensce suspension* or motor vehicle crash* or newly licenced drivers or novice drivers or off-road test* or pre-driving skills or real-world crash circumstances or real-world driving or riding behavior or risky driving or road accidents or road safety or self-reported driving or simulated driving or simulator driving or student drivers or teenage drivers* or time-to-collision estimation* or traffic crashes or traffic violations or unsafe driving or vehicle operation ability or virtual driving environment or young adult drivers or young drivers).ti,ab,kf.	22421
7.	*4-6 (or)*	*91325*
Study types: randomised controlled trials[2]		
8.	(exp Randomized Controlled Trial/ OR Controlled Clinical Trial.pt. OR Clinical Trial, Phase III.pt. OR ((randomized or randomised).ab.) OR placebo.ab. OR Drug Therapy.fs. OR randomly.ab. OR trial.ab. OR groups.ab. OR (("Phase 3" or "phase3" or "phase III" or P3 or "PIII").ti,ab,kw.)) NOT (exp Animals/ not Humans/)	5432436
Study types: systematic reviews and meta-analyses		
9.	Systematic Review.pt. OR Meta-Analysis.pt. OR Cochrane Database Syst Rev.ja. OR ((systematic adj4 review) OR "meta analys*" OR metaanalys*).ti,ab,bt.	533937
Combined sets/Limits:		
10.	*3 and 7 limit to (yr="2000 -Current" and (danish or english or norwegian or swedish))*	*440*
Final result:		
11.	***10 and 9***	***18***
12.	***10 and 8***	***131***

The final search result, usually found at the end of the documentation, forms the list of abstracts.

.ab. = Abstract; .**ab,ti.** = Abstract or title; **.af.** = All fields; **.bt.** = Book title; **dt** = Create date: **exp** = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy; **.fs.** = Floating sub-heading, does not

[2] Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE: sensitivity-maximizing version (2023 revision); Ovid format. Lefebvre C, Glanville J, Briscoe S, Featherstone R, Littlewood A, Metzendorf M-I, Noel-Storr A, Paynter R, Rader T, Thomas J, Wieland LS. Chapter 4: Searching for and selecting studies [last updated September 2024]. In: Higgins JPT, Thomas J, Chandler J, Cumpston M, Li T, Page MJ, Welch VA (editors). Cochrane Handbook for Systematic Reviews of Interventions version 6.5. Cochrane, 2024. Available from: https://training.cochrane.org/handbook/current/chapter-04-technical-supplement-searching-and-selecting-studies#section-3-6-1. with modifications: the following terms are added: clinical trial, phase iii.pt. ; randomised.ab. ; ("Phase 3" or "phase3" or "phase III" or P3 or "PIII").ti,ab,kw.

include terms found below this term in the MeSH hierarchy; **.kf.** = Author keyword; **.sh.** = Term from the Medline controlled vocabulary; **.ti.** = Title; **.xs.** = Floating sub-heading, includes terms found below this term in the MeSH hierarchy; **/** = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy; ***** = Focus (if found in front of a MeSH-term); *** or $** = Truncation (if found at the end of a free text term); **.mp.** = Text, heading word, subject area node, title; **" "** = Citation Marks; searches for an exact phrase; **adjn** = Positional operator that lets you retrieve records that contain your terms (in any order) within a specified number (n) of words of each other; **?** = replaces one or no letters; **#** = replaces one letter