A Collaborative International Knowledge Synthesis to Update Guidelines for Determining Medical Fitness to Operate Motor Vehicles with Dementia

Medline strategy for Question 1:

1 exp dementia/ or exp cognition disorders/ (154144)
2 (dementia* or "alzheimer* disease*" or "alzheimer*" or "lewy bod*" or cognit* or MCI).tw,hw. (384321)
3 or/1-2 [Dementia terms] (395483)
4 ("on-road" adj5 "test").tw,hw. (171)
5 ((driv* or road* or automobile* or motorist*) adj2 (detect* or test* or evaluat* or review* or assess* or exam* or monitor*)).tw,hw. (4921)
6 exp automobile driver examination/ (751)
7 or/4-6 [Road Test terms] (4927)
8 ((driv* or road* or motorist*) adj2 (impair* or safe* or deficit* or fit* or perform*)).tw,hw. (6010)
9 exp automobile driving/ and (impair* or safe* or deficit* or fit* or perform*).tw,hw. (6569)
10 or/8-9 [Driving impairment terms] (9333)
11 exp automobile driving/ and (impair* or safe* or deficit* or fit* or perform*).tw,hw. (6569)
12 or/8-9 [Driving impairment terms] (9333)
13 exp accidents, traffic/ (25030)
14 or/11-13 [Collision terms] (35347)
15 or/7,10,14 [Road Test or Driving Impairment or Collision terms] (42573)
16 and/3,15 [Dementia and (Road Test or Driving Impairment or Collision terms)] (2183)
17 limit 16 to (english language and yr="1989 -Current") (1976)

Medline strategy for Question 2:

1 exp dementia/ or exp cognition disorders/ (154144)
2 (dementia* or "alzheimer* disease*" or "alzheimer*" or "lewy bod*" or cognit* or MCI).tw,hw. (384321)
3 or/1-2 [Dementia terms] (395483)
4 (driv* or automobile* or motorist* or "car" or road* or highway* or freeway* or vehicle* or traffic* or street*).tw,hw. (446255)
5 (driv* and (auto* or motor*)).tw,hw. (39603)
6 exp automobile driving/ or exp motor vehicles/ (23076)
7 or/4-6 [Driving terms] (449373)
8 ("rate*" or rating* or test* or detect* or scale* or measure* or method* or screen* or assess* or evaluat* or exam* or "medical review*" or questionnaire* or battery* or instrument* or tool*).tw,hw. (9936402)
9 exp neuropsychological tests/ (71592)
10 (MMSE or "Mini-Mental State Exam" or "Trail Making" or "trails A" or "trails B" or TMT or TMT-A or TMT-B or MoCA or "Montreal Cognitive Assessment" or "Road Law and Road Crash" or "Blessed Dementia Rating Scale" or "Digit Span*" or "Digit Symbol*" or "Block Design*" or "Logical Memory Test*" or "Benton Retention Test*" or "Picture Arrangement*" or "Category Fluency" or "Boston Naming Test*" or "Maze Test*").tw,hw. [Specific Test terms] (22025)
11 or/8-10 [Screen terms] (9937169)
12 (("cut-off*" adj2 (point* or threshold* or value* or percentage* or level* or score* or measure* or ratio* or criteria*)) or (predict* or detect* or risk*)).tw,hw. (24471)
13 or/12-13 [Cut-off or Predict terms] (1054736)
14 and/3,7,11,14 [Dementia and Driving and Screen and Cut-off/Predict terms] (1333)
15 limit 15 to (english language and yr="1989 -Current") (1294)

Medline strategy for Question 3:

1 (driv* or automobile* or motorist* or "car" or road* or highway* or freeway* or expressway* or vehicle* or traffic* or street*).tw,hw. (446255)
2 (driv* and (auto* or motor*)).tw,hw. (39603)
exp automobile driving/ or exp motor vehicles/ (23076)
or/1-3 [Driving terms] (449373)
("rate*" or rating* or detect* or test* or scale* or measure* or method* or screen* or assess* or evaluat* or exam* or "medical review*" or questionnaire* or battery* or instrument* or tool*).tw,hw. (9936402)
exp neuropsychological tests/ (71592)
or/5-6 [Methods, assess, evaluate] (9936402)
((dementia* or "alzheimer* disease*" or "alzheimer*" or "lewy bod*" or "cognit* impair*" or MCI) and (mild* or moderat* or sever*)).tw,hw. (51976)
exp dementia/ and (mild* or moderat* or sever*).tw,hw. (29629)
or/8-9 [Dementia severity terms] (53823)
and/4,7-10 [Driving and Assessment and Dementia Severity terms] (453)
limit 11 to (english language and yr="1989 -Current") (421)

Medline strategy for Question 4:

1 exp dementia/ or exp cognition disorders/ (154144)
2 (dementia* or "alzheimer* disease*" or "alzheimer*" or "lewy bod*" or cognit* or MCI).tw,hw. (384321)
or/1-2 [Dementia terms] (395483)
4 (driv* or automobile* or motorist* or "car" or road* or highway* or freeway* or expressway* or vehicle* or traffic* or street*).tw,hw. (446255)
5 (driv* and (auto* or motor*)).tw,hw. (39603)
exp automobile driving/ or exp motor vehicles/ (23076)
or/4-6 [Driving terms] (449373)
8 caregivers/ or (carer* or caregiver* or surrogate* or "decision maker*").hw,tw. (94374)
9 health personnel/ or allied health personnel/ (29214)
10 (physician* or doctor* or "GP" or "general practitioner*" or surgeon* or specialist* or "health* worker*" or "health* personnel" or "health* professional*" or therapist* or nurse* or clinician*).tw,hw. (1013291)
or/8-10 [Caregiver or health personnel terms] (1087819)
12 physicians role/ or duty to warn/ or directive counseling/ (25604)
13 (recommend* or opinion* or input* or advi* or caution*).tw,hw. (679609)
or/12-13 [Opinion terms] (702510)
15 and/3,7,11,14 [Dementia and Driving and Caregiver/Health Personnel and Opinion] (217)
limit 16 to (english language and yr="1989 -Current") (191)