

License Renewal Procedures for Older Drivers

Canada:

Searchable database showing each state and province's **Driver Licensing Policies and Practices** affecting older and medically-at-risk drivers (accessed 2016-10-12)
<http://lpp.seniordrivers.org>

United States:

Links and coordinates of each state's licensing agency
https://en.wikipedia.org/wiki/Department_of_Motor_Vehicles

License renewal procedures older drivers (accessed 2016-08-22)
<http://www.iihs.org/iihs/topics/laws/olderdrivers>

Position Paper on Licensing policy for older drivers

Mary Kelly, Norma Nielson, Tracy Snoddon (2014). **Aging Population and Driver Licensing: A Policy Perspective Canadian Public Policy**, Volume 40, Number 1, pp. 31-44. DOI: 10.1353/cpp.2014.0004

Mobility and safety issues in drivers with dementia

Carr D.B. & O'Neill D. (2015), **Mobility and safety issues in drivers with dementia**, *International Psychogeriatrics* 27:10, 1613–1622 © International Psychogeriatric Association 2015

Web Resources on Driving Fitness

General guidelines for the clinician relating to medical conditions

- Canadian Medical Association (CMA) Fitness to Drive
 - <https://www.cma.ca/En/Pages/drivers-guide.aspx>
- Canadian Council of Motor Transport Administrators (CCMTA) Determining Fitness to Drive 2013 (comprehensive 300-page document of all medical conditions, licensing classes, jurisdictions, etc...)
 - <http://ccmta.ca/images/publications/pdf/Determining-Driver-Fitness-In-Canada-Final.pdf>
- American Geriatrics Society & A. Pomidor, Ed. (2016, January). *Clinician's guide to assessing and counseling older drivers, 3rd edition*. (Report No. DOT HS 812 228). Washington, DC: National Highway Traffic Safety Administration. The American Geriatrics Society retains the copyright.
- Driving and Dementia toolkit, 3rd edition (2009)
 - <http://www.rgpeo.com/media/30695/dementia%20toolkit.pdf>

RESOURCES FOR DRIVER SCREENING

Referral to a Certified Driving Rehabilitation Specialist (CDRS) or a specialized Driving Program in a Rehabilitation Center

- Association of Driver Rehabilitation Specialists: ADED
See Directory & Services Tab for a list of CDRS found globally
 - www.ADED.net
- Best Practice Guidelines for the Delivery of Driver Rehabilitation Services
 - [http://c.ymcdn.com/sites/www.aded.net/resource/resmgr/docs/ADED_BestPracticeGuidelines .pdf](http://c.ymcdn.com/sites/www.aded.net/resource/resmgr/docs/ADED_BestPracticeGuidelines.pdf)

Web Resources and/or Office Handouts

- We Need to Talk and At the Crossroads
 - <http://www.thehartford.com/mature-market-excellence/publications-on-aging>
- Video toolkit on medical conditions in older drivers
 - <http://www.nhtsa.gov/Driving+Safety/Older+Drivers/Video+Toolkit+On+Medical+Conditions>
- AARP Driving Resource Centre
 - <http://www.aarp.org/home-family/getting-around/driving-resource-center/driver-resources/>
- Alzheimer's Association: Dementia and Driving Resource Center
 - <http://www.alz.org/care/alzheimers-dementia-and-driving.as>
- Driving safely as you age brochures:
 - <http://www.caot.ca/default.asp?pageid=4040>
- Driving and Dementia toolkit (for patients and caregivers):
 - <http://www.rgpeo.com/media/30422/d%20%20d%20toolkit%20pt%20crgvr%20eng%20with%20hyperlinks.pdf>

Screening Tests

- Trail Making Part A and B
 - <http://www.canadiangeriatrics.ca/default/index.cfm/resources/family-physician/driving-assessment-tools-trials-a-and-b/>
 - pdf included
- Montreal Cognitive Assessment (MoCA)
 - <http://www.mocatest.org>
- Rapid pace walk
 - <http://www.nhtsa.gov/people/injury/olddrive/safe/02c.htm>
- Fitness-to-Drive Screening Measure (FTDS) (Classen et al. 2013)
 - <http://fitnesstodrive.phhp.ufl.edu/>
- OT-DORA (Unsworth et al., 2012)
 - 140\$ USD via AOTA
- Medications and driving
 - www.roadwiserx.com



Questions to Assess Judgment and Awareness:

- Has your illness/situation affected your driving in any way?
- Do you have any difficulty driving at night? Driving in rush hour?
- Have you had any fender benders or accidents in the last little while?
- Ask spouse or other family member re: any changes in driving habits or skills
- You are driving along a 3-lane boulevard. You notice that your lane has become a turning lane only, for those wishing to turn right at the next intersection. You wish to go straight. What should you do?
- Can you name three things that you need to be careful of when you are driving in a parking lot?
- If you were driving along the highway and suddenly got a flat tire, what would you do?
- You have an appointment with your neurologist who has moved to a new location. You are unfamiliar with the area and only have his address. How would you get there?

Action Plan →

1. Know your regulations
2. Understand the complexity of the driving task
3. Identify your client's medical condition and potential functional limitations that may impact driving
4. Identify red flags
5. Know the screening tools available and understand their purpose, strengths and limitations
6. Select the appropriate tools in relation to your client and the clinical environment
7. Screen your client!
8. Analyze the results... Is driving of concern?
9. Proceed with a recommendation taking into account the legal, professional and ethical regulations in your province or state
10. Provide the necessary support, if your client needs to cease driving

SCREENING AT-RISK DRIVERS

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- Proceed with a recommendation taking into account the legal professional and ethical regulations in your province or state
- Provide the necessary support if your client needs to cease driving

Peer-Reviewed References for Screening Cognition and Perception:

- Asimakopulos J et al. (2012), Assessing executive function in relation to fitness to drive: A review of tools and their ability to predict safe driving, *Australian Occupational Therapy Journal* 59, 402–427.
- Dickerson et al. (2014). Assessment tools predicting fitness to drive in older adults: a systematic review. *Am J Occup Ther.* 2014 Nov-Dec;68(6):670-80. doi: 10.5014/ajot.2014.011833.
- Esser, P., Dent, S., Jones, C., Sheridan, B. J., Bradley, A., Wade, D. T., & Dawes, H. (2015). Utility of the MOCA as a cognitive predictor for fitness to drive. *Journal of Neurology, Neurosurgery & Psychiatry*, jnnp-2015.
- Friedman et al. (2013), Association between Higher Order Visual Processing Abilities and a History of Motor Vehicle Collision Involvement by Drivers Ages 70 and Over, *IOVS* ,54:778-782. (Reference for MVPT, UFOV, Trails B; N=2000)
- Kwok, J. C. W., Gélinas, I., Benoit, D., & Chilingaryan, G. (2015). Predictive validity of the Montreal Cognitive Assessment (MoCA) as a screening tool for on-road driving performance. *British Journal of Occupational Therapy*, 78(2), 100-108.
- MacDonald, L., Myers, A. M., & Blanchard, R. A. (2008). Correspondence among older drivers' perceptions, abilities, and behaviors. *Topics in Geriatric Rehabilitation*, 24(3), 239-252.
- McCarthy, D.P., Mann, W.C. (2006). Sensitivity and Specificity of the Assessment of Driving-related Skills Older Driver Screening Tool. *Topics in Geriatric Rehabilitation*, Vol. 22, No. 2, pp. 139–152
- Unsworth, C.A., Lovel, R.K., Terrington, N.S., Thomas, S.A. (2005). Review of tests contributing to the occupational therapy off-road driver assessment. *Australian Occupational Therapy Journal*, 52, 57–74.)
- Vaucher, P., Herzig, D., Cardoso, I., Herzog, M. H., Mangin, P., & Favrat, B. (2014). The trail making test as a screening instrument for driving performance in older drivers; a translational research. *BMC geriatrics*, 14(1), 123.
- Wood J.M. et al. (2013), Evaluation of screening tests for predicting older driver performance and safety assessed by an on-road test Accident Analysis and Prevention 50 (2013) 1161–1168
- Wood, J.M., Anstey, K.J., Kerr, G.K., Lacherez, P.F., Lord, S. (2008). A Multidomain Approach for Predicting Older Driver Safety Under In-Traffic Road Conditions. *Journal of the American Geriatrics Society*, 562-568

This resource list is provided in the **Screening the at Risk Driver** Online Continuing Education Learning Activity, created by the School of Physical & Occupational Therapy, McGill University.