

## HEALTH CARE PROVIDERS

Clinician's Guide to Assessing and Counseling Older Drivers: [1.usa.gov/1kNeM72](http://1.usa.gov/1kNeM72)

## TREDS Online Tutorial:

Clinical Assessment of the Older Patient for Driving Fitness: [treds.lms.ucsd.edu](http://treds.lms.ucsd.edu)

Physician Mandated Reporting of Drivers in California: [bit.ly/treds\\_phys\\_reporting](http://bit.ly/treds_phys_reporting)

## California Occupational Therapist Driving Programs:

Locate occupational therapists who are trained in driving assessment and evaluation. <http://treds.ucsd.edu/driver-evaluation>

## Driving Evaluation Programs:

Association of Driver Rehabilitation Specialists: [www.aded.net](http://www.aded.net)

American Occupational Therapy Association: [bit.ly/TREDS\\_AOTA](http://bit.ly/TREDS_AOTA)

## PATIENTS AND FAMILIES

**AAA (Automobile Association of America):** Mature driver improvement courses; Roadwise Review measures functional abilities related to crash risk; Roadwise Rx offers personalized feedback on medications that impact driving; CarFit evaluates driver and vehicle fit for safety and comfort. [seniordriving.aaa.com](http://seniordriving.aaa.com)

**AARP:** Mature driver safety courses. [www.aarp.org/drive](http://www.aarp.org/drive)

**California Department of Aging:** Links to counties for services and transportation programs. [www.aging.ca.gov](http://www.aging.ca.gov) or (800) 510-2020

**California DMV Senior Ombudsman Program:** Assistance for older drivers.

[bit.ly/TREDS\\_DMV1](http://bit.ly/TREDS_DMV1)

LOS ANGELES/OXNARD	(310) 412-6103
SACRAMENTO/NORTHERN CALIFORNIA	(916) 657-6464
SAN FRANCISCO/OAKLAND	(510) 563-8998
ORANGE/SAN BERNARDINO/SAN DIEGO	(714) 705-1588

**ChORUS: Clearinghouse for Older Road User Safety:** A centralized source of information pertaining to highway safety for aging drivers. [roadsafeseniors.org](http://roadsafeseniors.org)

**National Highway Traffic Safety Administration:** Comprehensive information on driver safety issues. [www.nhtsa.dot.gov](http://www.nhtsa.dot.gov)

**The Hartford:** A guide for family conversations about driving. [bit.ly/TREDS\\_TheHartford](http://bit.ly/TREDS_TheHartford)



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TRAINING, RESEARCH AND EDUCATION FOR DRIVING SAFETY

## SCREENING &amp; MANAGEMENT OF AGE-RELATED DRIVING IMPAIRMENTS

## WHY SCREEN

- Older adults often outlive their driving ability: men by 6 years, women by 10 years
- Adults over 75 years have crash rates comparable to teenagers
- As one ages, the risk of injury or death from the same impact crash increases
- Older adults and their families depend on health care providers to assist with the transition into driving retirement

## WHEN TO SCREEN

- Baseline  $\geq$  65 years or as medically indicated
- Patient or family has concerns about driving
- Recent change in health (e.g. MI, CVA, cancer)
- Medical conditions affecting cognition, frailty, vision, seizures or LOC
- Polypharmacy

## HOW TO SCREEN

- Administer tests recommended by the American Geriatrics Society (see inside)
- Obtain history of dementia and LOC (seizures, arrhythmias, hypoglycemia, etc.) in the last 6 months

## WHEN TO REPORT

- **Title 17, CA Code of Regulations: Section 2810** requires physicians to report conditions that cause lapses of consciousness, seizures, or diseases related to Alzheimer's (and other dementias)
- Disorders characterized by lapses of consciousness refer to conditions that involve: marked reduction of alertness or responsiveness to external stimuli; inability to perform one or more activities of daily living; impaired sensory motor functions used to operate a motor vehicle

## HOW TO REPORT

- Confidentiality and Morbidity Report (CMR 110c): [bit.ly/morbidity-report](http://bit.ly/morbidity-report)
- Request for Driver Reexamination (Form DS 699): [bit.ly/dmv-driver-reexam](http://bit.ly/dmv-driver-reexam)
- Driver Medical Evaluation (Form DS 326): [bit.ly/dmv-driver-med-eval](http://bit.ly/dmv-driver-med-eval)

Reporting a patient does not necessarily mean that they will lose their driving privilege. The goal is to preserve driving for as long as it is safe. The DMV can monitor at-risk drivers and impose licensing restrictions to prolong driving.



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UC San Diego  
SCHOOL OF MEDICINE



## SUMMARY OF ASSESSMENT TESTS AND INTERPRETATIONS

ADAPTED FROM: CLINICIAN'S GUIDE TO ASSESSING AND COUNSELING OLDER DRIVERS, 4th EDITION

Test	Assessment	Description	Criteria for Passing	Criteria for Failing	Criteria for Incomplete*
<b>VISION: Conduct tests 1 and 2</b>					
1	<b>VISUAL ACUITY</b>	Measured using Snellen eye chart. Scored by numerical visual acuity value.	≤ 20/70 in both eyes, corrected	> 20/70 in both eyes, corrected	Missing corrective lenses
2	<b>VISUAL FIELDS</b>	Measured using confrontation testing at 3 feet distance. Scored as pass/fail by comparison to normal limits.	Within normal limits	Not within normal limits	Missing corrective lenses
<b>STRENGTH: Conduct test 1 and at least one other (2 or 3)</b>					
1	<b>RANGE OF MOTION (ROM)</b>	Measured by neck rotation, finger curl, shoulder and elbow flexion, ankle dorsiflexion and plantar flexion. Scored as pass/fail based on normal limits.	Within normal limits for all tests	Not within normal limits for one or more tests	Temporary reason for failure (e.g. IV, recent ortho injury/surgery)
2	<b>RAPID PACE WALK</b>	Measured by time taken to walk 10 feet and back. Scored by time in seconds.	≤ 9 seconds	> 9 seconds	Temporary immobility (e.g. recent injury or surgery)
3	<b>GET UP AND GO</b>	Measured by ability to stand from seated position, walk 10 feet and back, and sit down again without falling. Scored by scale of 1-5.	Score of ≤ 2 Normal or near normal movement	Score of > 2 Slowness, staggering, abnormal movement	Temporary immobility (e.g. recent injury or surgery)
<b>COGNITION: Conduct tests 1 and 2 <u>OR</u> tests 1, 3 and 4 - based on clinical judgement</b>					
1	<b>MAZE TEST</b>	Measured by time taken to complete a standard maze. Includes a practice test. Scored by time in seconds and number of errors.	≤ 60 seconds, with 0-1 errors	> 60 secs, w/ or w/out errors ≤ 60 secs, w/ 2+ errors	Missing corrective lenses, inability to write (e.g. tremor)
2	<b>MONTREAL COGNITIVE ASSESSMENT MoCA**</b>	Ten-minute test measured by performance on 11 components. Multiple languages available. Scored on scale of 1-30. Add 1 point if patient has less than 12 years of formal education.	Score of ≥ 26	Score of < 26	Missing corrective lenses, inability to write (e.g. tremor)
3	<b>TRAIL MAKING B**</b>	The participant is asked to connect, in alternating order, encircled letters (A-L) and numbers (1-13). Errors are pointed out while the test is being completed. Scored by time required to complete.	≤ 180 seconds	> 180 seconds	Missing corrective lenses, inability to write (e.g. tremor)
4	<b>CLOCK DRAWING**</b>	Measured by asking participant to draw the face of a clock with the time set at "ten minutes after eleven." Scored by: shape of clock, correct amount of numbers accurately located and spaced, only two hands with one hand pointing to the 2 and the absence of intrusive marks.	All criteria met	Failure to meet any criteria	Missing corrective lenses, inability to write (e.g. tremor)