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***Safe Mobility at Any Age*** *Future Policy Options for New Jersey*

## ***The Maryland Experience 1997-2003***

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## A New Approach for Injury Prevention

- **Recognize functionally impaired driving as a public health / safety issue**
- **Integrate health, social service and DMV functions**
- **Link screening with community mobility solutions**

## Health Factors Which Increase Risk

- **Functional declines in critical abilities**
- **Increased incidence of disease and pathology**
- **More extensive use of multiple medications**

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### **Medical Diseases & Functional Declines Related to Crashes**

- Cataracts
- Glaucoma
- Diabetes
- Cardiovascular
- Back pain
- Anti-depressants use
- Neurologic conditions
- Memory problems
- Cognitive processing

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### **Risk Ratios for Identified Medical Conditions**

• Alcohol	10
• Neurologic	7.0
• Cataracts	2.5
• Glaucoma	5.0
• Diabetic Retinopathy	5.0
• Diabetes	2.6 - 8.0
• Falls	2.6
• Cardiac Arrhythmia	2.0
• Antidepressant drugs	1.98

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## *Safe Mobility at Any Age* Future Policy Options for New Jersey

### Maryland Research Consortium

- **Mission:** To create and offer a program of safe mobility for Maryland Older Drivers.
- **Vision:** To become the national model for safe mobility for life.

# *Safe Mobility at Any Age* Future Policy Options for New Jersey

## Consortium Membership

MD Department of Aging

AARP

AOTA

Law Enforcement Agencies

Motor Vehicle Administration State Highway Administration

Mass Transit Administration

Dept Health & Mental Hygiene

University of Maryland

Wilmer Eye Center

NHTSA

NIH/NIA

Federal Transit Administration

AAA Foundation Traffic Safety

County Health Departments

AAA

Driver Rehab Specialists (OT/CDRS)

County Planning & Zoning

Sinai Rehabilitation Center

*TransAnalytics, LLC*

Johns Hopkins Medical Center

Area Agencies on Aging -- Senior Centers

US DOT, Office of the Secretary

Federal Highway Administration

Ecosometrics, Inc

AAMVA

MD Association of Women

Highway Safety Leaders

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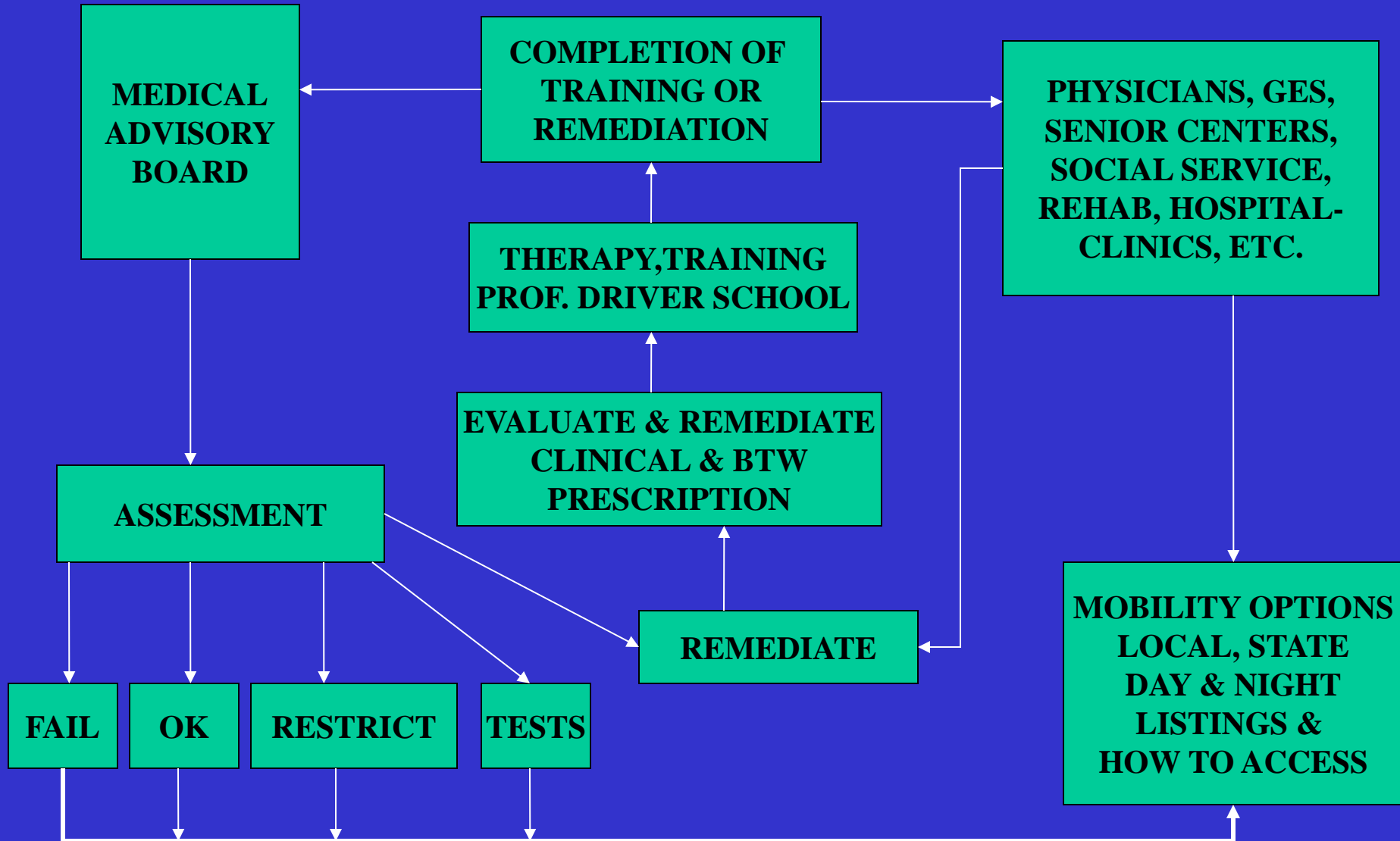
### **Maryland Research Consortium**

#### Four Key Performance Areas

- Identification and Assessment of Functionally At-Risk Drivers
- Remediation and Counseling for Continued Safe Mobility
- Feasible, Affordable, Desirable Transportation Options in the Community
- Public Information and Education About Functional Fitness to Drive



# Maryland Pilot System: Making Safe Mobility For Life a Reality



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### *Maryland Pilot Study: Products and Policy Contributions*

- Functional domains identified as significant predictors of *at-fault* crashes  
visualization of missing information; directed visual search; information processing speed under divided attention conditions; working memory; leg strength and general mobility; head/neck flexibility » these are priorities for driver screening programs.
- Functional capacity screening adds value to traditional medical evaluation procedures.
- Functional capacity screening can be conducted cost-effectively at a DMV.
- Identifying functional loss promotes safe mobility by allowing earlier intervention -- not justified solely on safety (crash prevention) basis.