

# Insights from a Pilot of a Virtual Driving Assessment

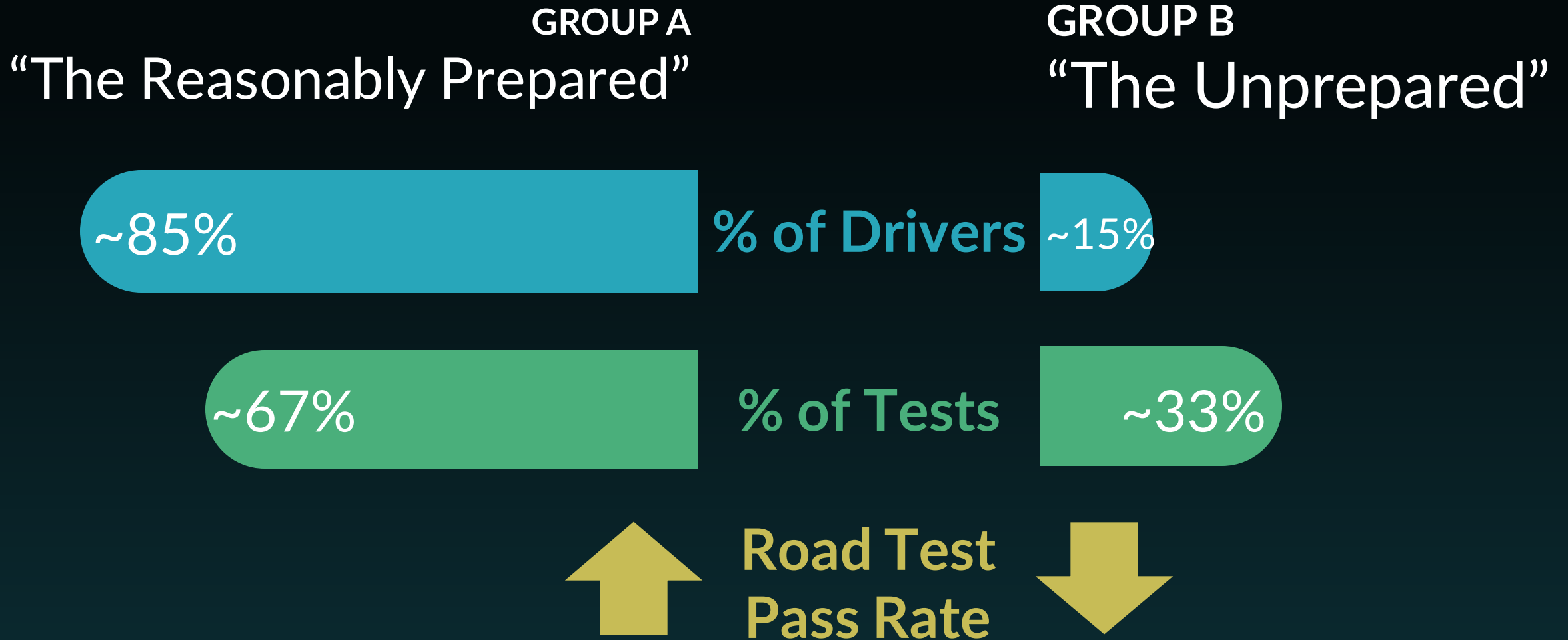
Working Together through Collaboration and Innovation


CCMTA Annual Meeting: July 17  
Educational Session



MANITOBA  
PUBLIC INSURANCE

# A Tale of Two Driver Groups



A photograph of three people in a dimly lit office environment. A woman with glasses and a striped shirt is leaning over a laptop, pointing at the screen. A man with a beard and a green shirt is sitting at the laptop, looking at the screen with his hand on his chin. A woman with dark hair and a blue top is sitting next to him, also looking at the laptop. The background is dark with some blurred lights.

# What is a Virtual Driving Assessment?

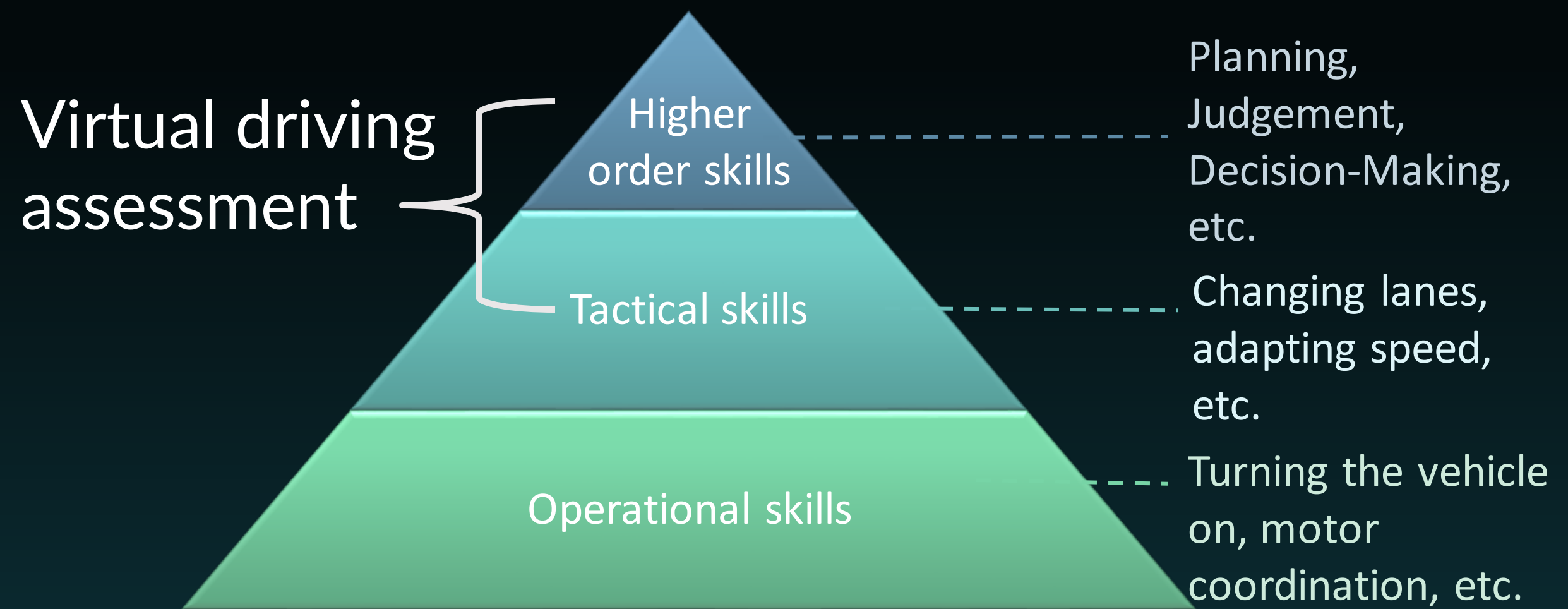


MANITOBA  
PUBLIC INSURANCE

# A simulated environment that puts drivers in real-world driving scenarios



# Assessing Driver Skill





*What did we want  
to find out with  
the pilot?*



MANITOBA  
PUBLIC INSURANCE

---

*What did we want to find out with the pilot?*

---

Is a virtual driving  
assessment feasible  
to integrate into our  
operations?



---

*What did we want to find out with the pilot?*

---

Do drivers think a virtual  
driving assessment is a  
realistic representation of  
the road?



---

*What did we want to find out with the pilot?*

---

Does a virtual driving  
assessment avoid  
making drivers feel  
motion sickness?



---

*What did we want to find out with the pilot?*

---

Can a virtual driving  
assessment **predict**  
how likely a driver is  
to **fail** a road test?



# Pilot Design

Sample size  
target: **500**



Pilot to run  
**6 months**



Link to  
testing **data**



**5** Testing  
locations



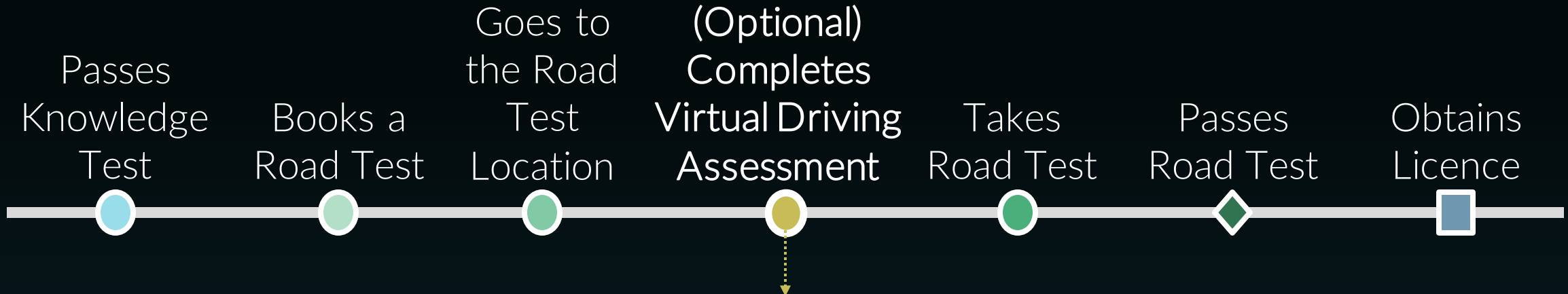
**Both** official  
languages



Participant  
Survey



# Driver Experience



- Participation in the pilot was optional and drivers could opt out at any time.
- Road test was conducted regardless of assessment results.
- Neither the candidate nor the road test examiner were aware of assessment results.
- Assessment results had no impact on road test outcome.



# What we Discovered Through the Pilot



MANITOBA  
PUBLIC INSURANCE

---

*What did we want to find out with the pilot?*

---

Is the virtual driving  
assessment feasible  
to integrate into our  
operations?



# Drivers Found the Assessment to be Quick and Reliable



*75% of drivers spent less than 15 minutes on the virtual assessment*



*100% availability of virtual assessment during operating hours*



---

*What did we want to find out with the pilot?*

---

Is the virtual driving  
assessment feasible  
to integrate into our  
operations?



---

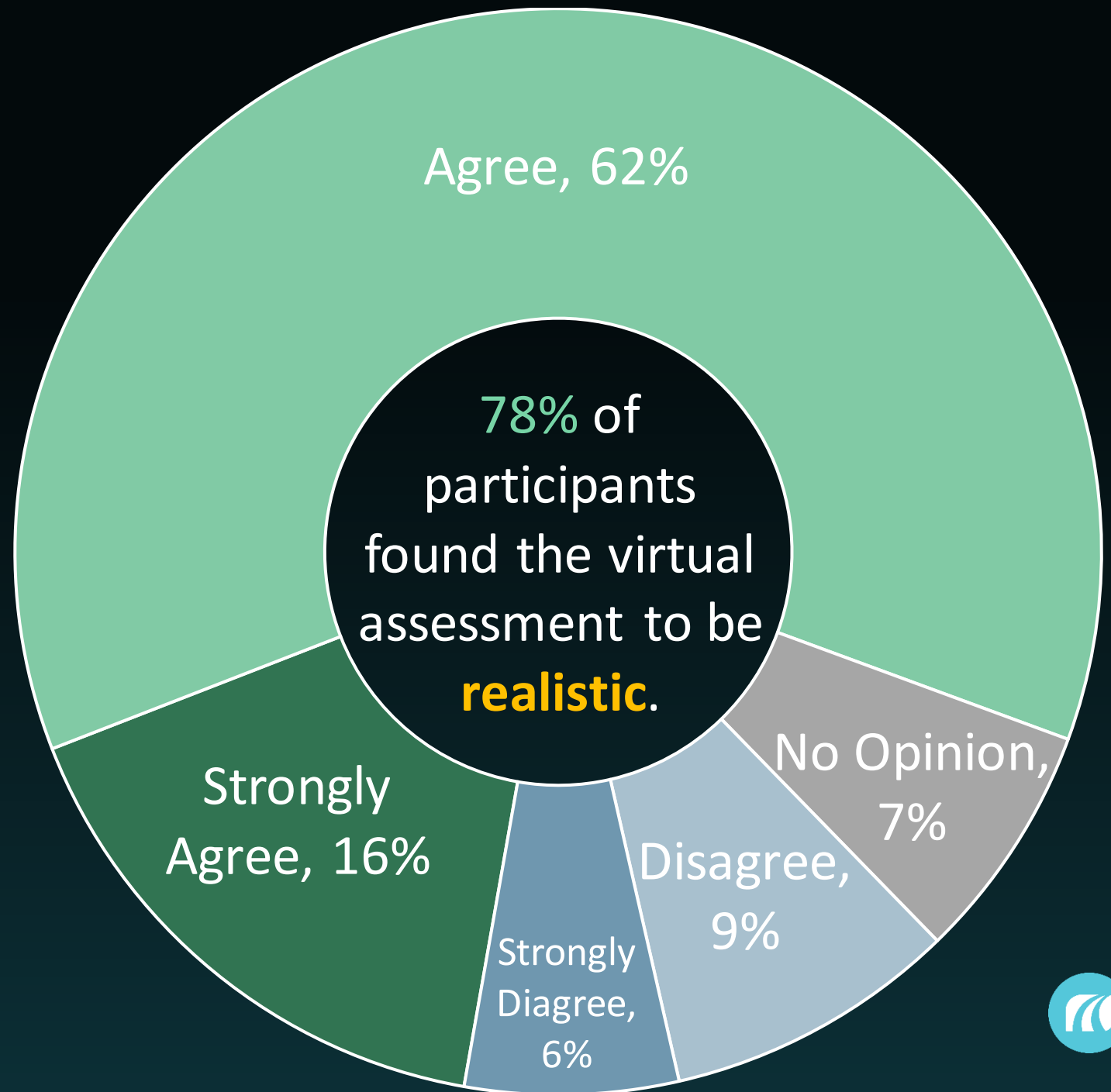
*What did we want to find out with the pilot?*

---

Do drivers think the  
virtual driving assessment  
is a realistic representation  
of the road?



“The driving situations I encountered were a **realistic representation of the road**”



---

*What did we want to find out with the pilot?*

---

Do drivers think the  
virtual driving assessment  
is a realistic representation  
of the road?



---

*What did we want to find out with the pilot?*

---

Does the virtual  
driving assessment  
avoid making drivers  
feel motion sickness?



Survey data demonstrated  
that **52%** of drivers  
experienced no nausea or  
dizziness...

...and only **2%** reported high  
levels of nausea or dizziness



---

*What did we want to find out with the pilot?*

---

Does the virtual  
driving assessment  
avoid making drivers  
feel motion sickness?



---

*What did we want to find out with the pilot?*

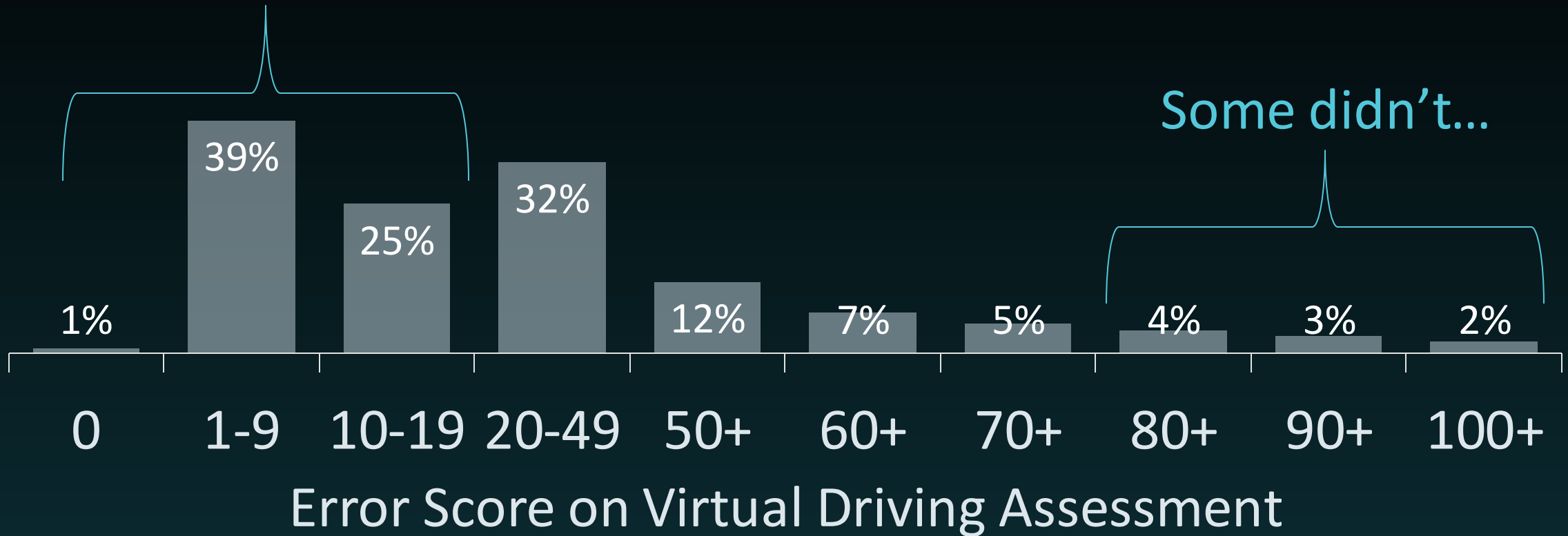
---

Can the virtual driving  
assessment **predict**  
how likely a driver is  
to **fail** a road test?

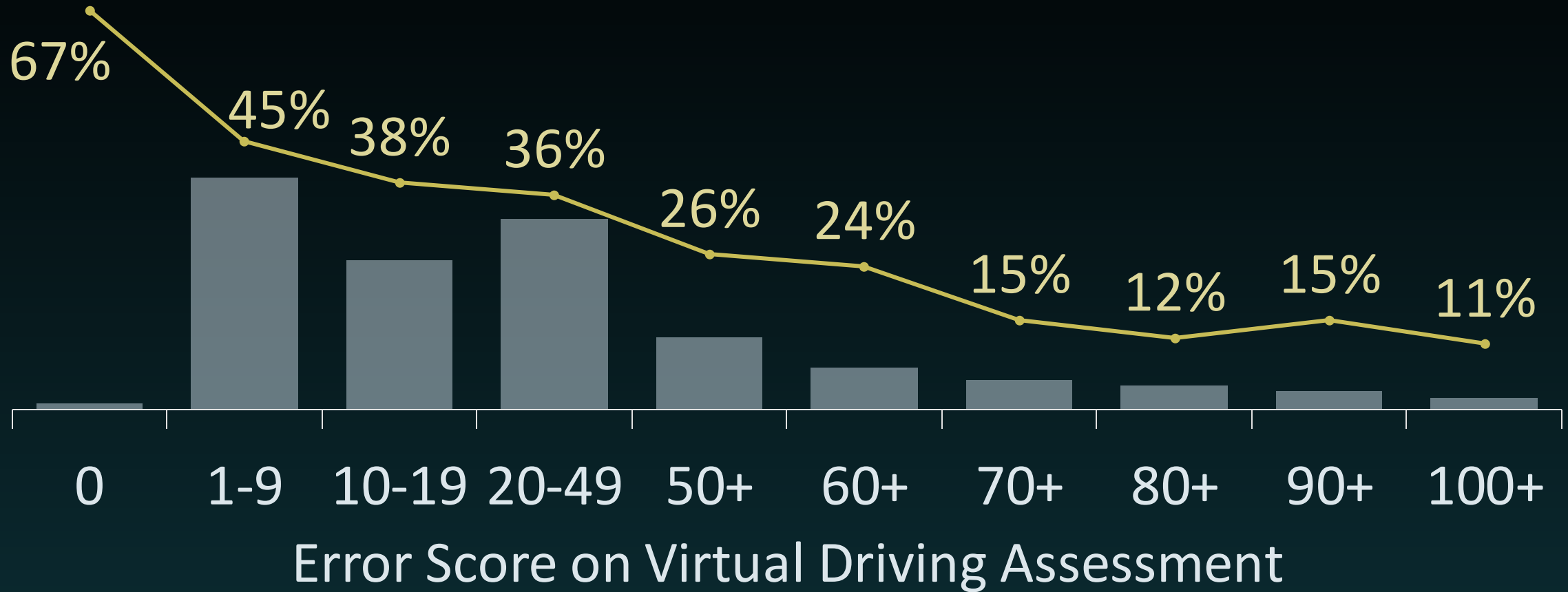


# How Pilot Participants Scored on the Virtual Assessment

Most drivers did OK!



# How Pilot Participants Scored on the Virtual Assessment vs. Actual Road Test Pass Rate



---

*What did we want to find out with the pilot?*

---

Can the virtual driving  
assessment **predict**  
how likely a driver is  
to **fail** a road test?



## In Summary

- ✓ The virtual driving assessment is feasible to integrate into our operations
- ✓ Drivers think the virtual driving assessment is a realistic representation of the road
- ✓ The virtual driving assessment avoided making drivers feel motion sickness
- ✓ The virtual driving assessment was predictive of how likely a driver is to fail a road test

*From here, we're now assessing use cases for how we can integrate a virtual assessment into our operations*





Questions

