

Diabetes Consult: Can an App Improve Healthcare Professionals' Selection of T2D Treatment for High-Risk Patients?

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1. Background

T2D management is shifting toward treating patients with therapies that align with their level of CV and end-organ risk. These shifts create gaps in knowledge and competence, especially as they relate to managing patients with comorbid CV and/or renal disease.

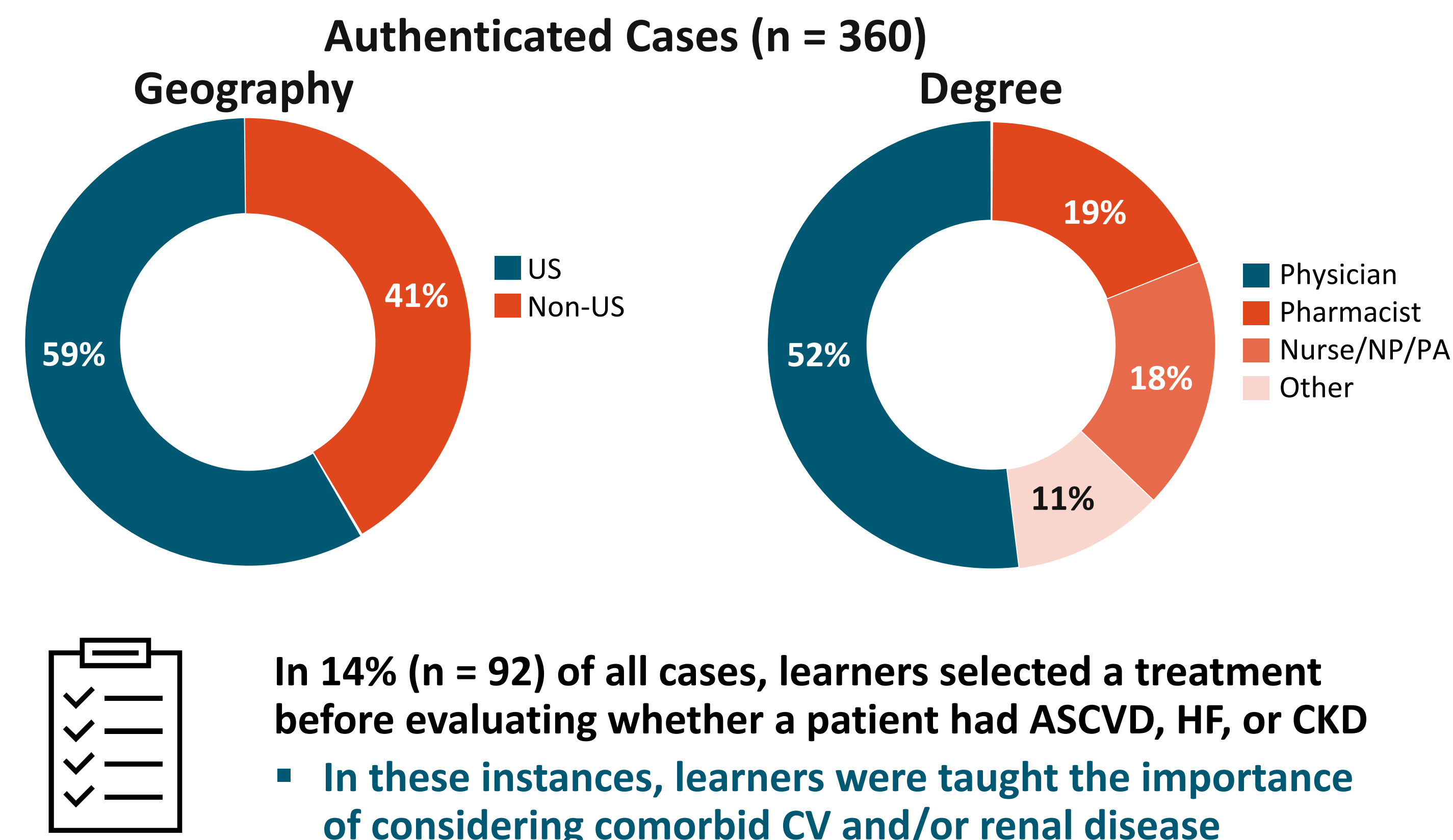
To measure how healthcare professionals choose among diabetes treatments in practice and to help them choose such treatments appropriately, we developed a decision support app in which healthcare professionals enter the characteristics of their patient and receive guidance on choice of treatment by a panel of experts.

Five diabetes experts provided therapy recommendations for 18 unique patient case scenarios based on patient variables including:

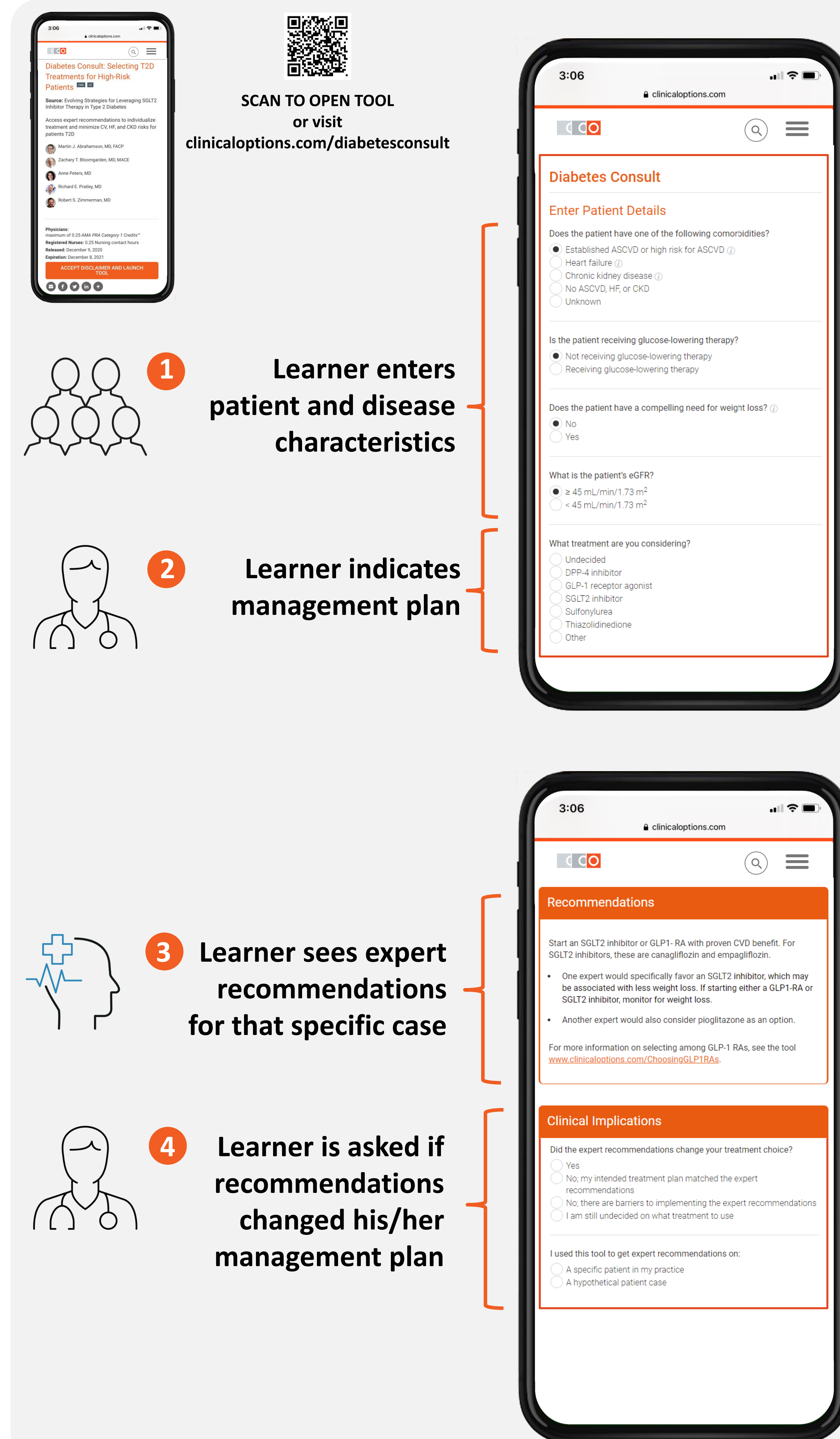
- ASCVD
- CKD
- A1C
- Heart failure
- Need for weight loss
- eGFR
- Urine albumin level

2. Cases

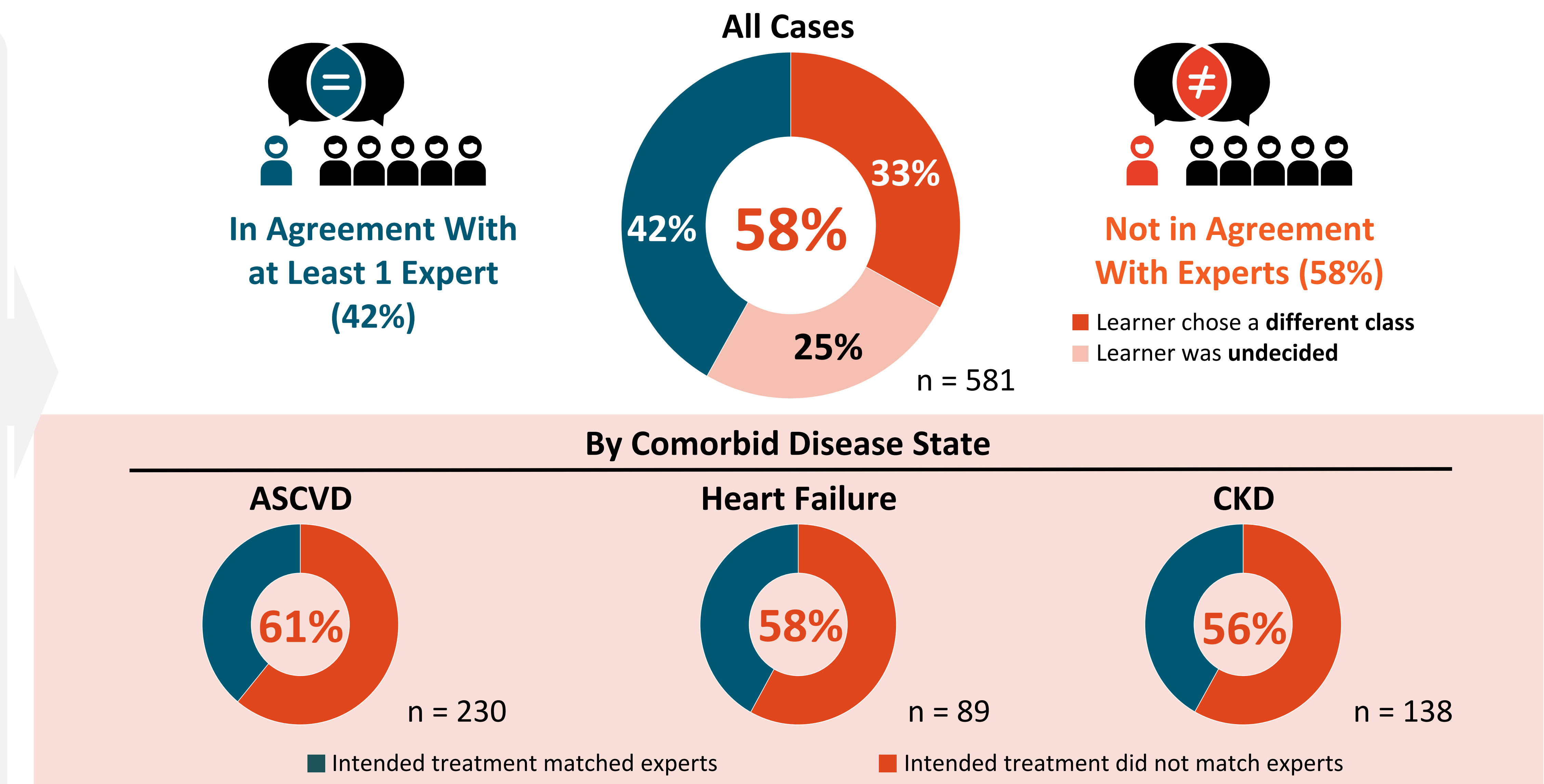
- From December 2020 through April 2021, **434 learners** entered **673** cases into the tool
 - 313 cases via the app (anonymous)
 - 360 cases via the CCO site (authenticated)



3. Online Decision Support Tool Provides Patient-Specific Recommendations



4. Learners' Initial Choice of Diabetes Treatment



5. Posteducation Impact

Subset of Learner Cases Where Baseline Plan Differed From Experts and Learner Identified Future Plan



6. Conclusions

- Learners' initial choice of therapy **differed from experts for 58% of case scenarios**, highlighting continuing gaps in healthcare professionals' consideration of patient factors in choosing diabetes treatment and their ability to optimize treatment options for multiple patient scenarios.
- Of cases in which the learners' intentions differed from expert recommendations, **47% indicated that they planned to change their approach** after being provided the recommendation by the tool, suggesting the tool's use can help optimize care of patients with T2D.
- A point-of-care app can be part of an implementation strategy to positively influence practice behaviors.