

**DOMAIN 4: Research and Quality Improvement**

*The diabetes care and education specialist contributes to research and quality improvement activities and applies current research and evidence-based care to guide practice.*

**RESEARCH AND QUALITY IMPROVEMENT**

- 4.1 Uses technology/databases to search and find publications and appropriately filter data
- 4.2 Promotes a culture of collaborative inquiry to advance diabetes knowledge and care
- 4.3 Participates in the development, use, and evaluation of clinical pathways, standards of care, and practice guidelines according to assigned role
- 4.4 Complies with all appropriate guidelines to create a safe environment to conduct research
- 4.5 Applies basic principles of research to contribute to the evidence base of the specialty
- 4.6 Synthesizes information to identify trends in research for application in practice
- 4.7 Applies critical thinking skills to evaluate research and quality improvement findings
- 4.8 Disseminates research findings for translation into practice
- 4.9 Contributes to the development and execution of quality improvement and research projects to advance diabetes care and education
- 4.10 Applies the evaluation process to diabetes care and education services
- 4.11 Responds to data in a systematic and iterative fashion, refines and implements plan, and studies results, as modeled in Plan-Do-Study-Act
- 4.12 Designs quality improvement processes

**DOMAIN 4: ADCES Education for Research and Quality Improvement**

*Access education from ADCES to help you excel in each domain and fill existing gaps in knowledge and skills. Use this with the diabetes care and education specialist self-assessment worksheet to create a personal development action plan.*

**RESEARCH AND QUALITY IMPROVEMENT**

[The Art and Science of Diabetes Care and Education, 5th Edition](#)

[CQI for DSMES Programs online course](#)