



Background Information

- Nutrition related chronic disease such as heart disease, hypertension, diabetes, cancer, and kidney disease can all be treated and/or prevented with proper nutrition.
- Nutrition plays a vital role in disease prevention health promotion, however few health and professions curriculums provide adequate nutrition education.
- The Goldring Center for Culinary Medicine at Tulane University partnered with Johnson and Wales University in 2012 to become the first dedicated center in the United States whose purpose was to integrate nutrition and dietary intervention into medical school curriculum
- The GCCM curriculum was piloted in Fort Worth, TX in 2014 and taught by faculty from UNTHSC, TCOM, Texas Christian University (TCU) and Moncrief Cancer Institute.
- The Culinary Medicine program trains medical students about nutrition. Students participate in learning and hands-on culinary activities. Participating programs take a 10-year longitudinal study (Cooking for Health Optimization with Patients (CHOP) to assess outcomes.

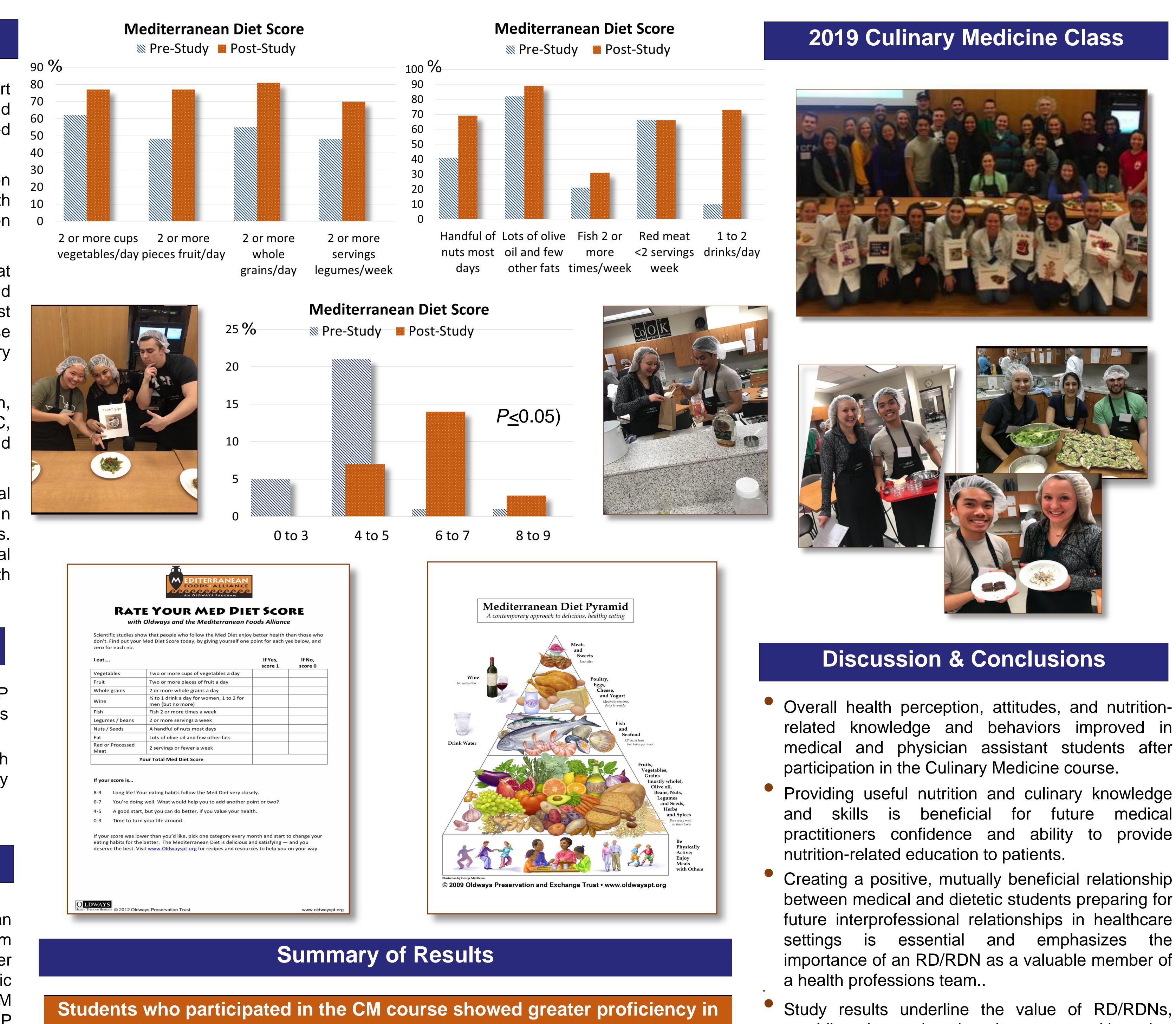
Objectives

- 2016-2018 CHOP outcomes Determine of competencies among health professions students following Culinary Medicine training
- 2. Assess Mediterranean Diet Scores among health professions students following 2019 Culinary Medicine course

Design & Methods

- During 2016-2018, 77 medical and 13 physician assistant students (57/female; 33/male) from University of North Texas Health Science Center (UNTHSC) and Texas College of Osteopathic Medicine (TCOM) who participated in the CM course were assessed using the 4-part CHOP survey including demographics, attitudes, dietary habits, and degree of proficiency in competencies related to nutrition knowledge.
- During 2019, 26 medical and 4 physician assistant students completed the Mediterranean Diet Score pre and post Culinary Medicine course.
- Study procedures were approved by Tulane and TCU IRB, and participant informed consent was obtained. Data was analyzed to meet study objectives (SPSS, *P*<0.05).

A Culinary Medicine Course Improves Nutrition and Dietary Competencies of Medical and Physician Assistant Students A. Adams, H. Tullos, L. Dart, A. VanBeber Nutritional Sciences – Texas Christian University, Fort Worth TX



the following nutrition competencies ($p \le 0.05$) Health effects of the Mediterranean, dash, and low-fat diets

- Weight loss strategies, portion control, food label facts and serving sizes Dietary patterns for type 2 diabetes, hypertension, celiac disease, and food allergies
- Role of dietary cholesterol/saturated fats in blood lipids Recognizing warning signs/symptoms for eating disorders
- Role of sodium, fiber and omega-3 fatty acids in disease prevention and heart health





providing innovative learning opportunities that integrate nutrition into training for other health professions.

Recommendations

The addition of nutrition education and dietary applications should be included in all health professions curriculum.

Programs such as Culinary Medicine are beneficial for optimizing the care process and practices of the health team.