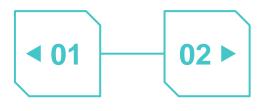
Healthy Eating & Chronic Diseases: A CNE Program for Older Adults

AGENDA

WHO & WHERE

CNE program site, target population, and their needs



WHAT

Goals, objectives, and measurable outcomes

HOW

Activities & highlights from the program



OUTCOMES

Evaluation, achievements, and future considerations

BACKGROUND

CNE SITE^{1,2}

- Keyport Senior Citizen Center
- Keyport, Monmouth County, New Jersey
- Provide community & activities for older adults, 60+
- Contact Madeline Costello, supervisor

TARGET POPULATION^{1,2}

- Members of the Keyport Senior Center
- Older adults, ages 60+
- Living in Keyport and surrounding towns

KEYPORT SENIOR CITIZEN CENTER^{1,2}

Located on a residential street. the Keyport Senior Center building was formerly an elementary school. Now the building hosts activities for older adults, including educational classes (Spanish language classes, etc.), games & bingo, and various forms of physical acitivity (line dancing, chair yoga, etc.). There are approximately 350 members of the center, which was founded just over 30 years ago.



NEEDS ASSESSMENT KEY FINDINGS

Demographics:

- Majority white (72.9%), with Hispanic (16%), Asian (3.7%), and black (2.7%) Keyport residents³
- Median household income, \$66,025, compared to \$110,356 in Monmouth County³
- 19% of Keyport seniors in poverty, compared to only 8% in Monmouth County⁴

Nutrition-Related Risk Factors:

- o 78% of American adults aged 55+ have at least one chronic disease; 47% have two or more⁵
- Chronic diseases, including heart disease (CVD), cancer, and diabetes (T2D), are leading causes
 of death in the US, and risk is higher with increased age and poor nutrition^{5,6,7}
- Many seniors may not have nutrition education, a high health-literacy, or know that diet increases risk of multiple chronic diseases^{6,7}

NEEDS ASSESSMENT KEY FINDINGS

Nutrition-Related Services at Keyport Senior Center:

- There are no regular nutrition services²
- There are occasional speakers on various health topics, but not specifically nutrition & health²

Description of Generation & Learning Style:

- Members are age 60+ and are Baby Boomers or Traditionalists (Greatest Generation + Silent Generation)^{8,9}
- Some older adults may appreciate active learning, while others prefer learning by observing and reflecting¹⁰

How Findings were Transferred to CNE Program:

 Financial status, nutrition-related risk factors, and preferred learning style were all key to creating the 5-part series to help older adults learn how diet could relate to the chronic diseases and risk factors, and how to make a meal plan and shop on a budget

PROGRAM GOALS¹¹

- Increase perceived susceptibility and perceived severity of chronic disease (CVD, T2D & cancer) among Keyport Senior Center members
 - Improve self-efficacy related to healthy eating and chronic disease prevention among Keyport Senior Center members

NUTRITION & DIABETES LESSON OBJECTIVES¹²

- At the conclusion of this CNE presentation, at least 75% of participants will be able to identify at least one type of food as one to include on the diabetes plate, and one to limit
- At the conclusion of this CNE presentation, at least 75% of participants will be able to categorize two nutrients as important for T2D management

MEASURABLE OUTCOMES¹²

- Each presentation will be accompanied by an activity, which will be used to measure the lesson plan outcomes; as will pre- and post-lesson assessment questions
- Outcomes include listing, planning and/or identifying: chronic disease risk factors (**Bingo**); foods to include and limit for diabetes (**Diabetes plate**); nutrients related to CVD (**Bingo**); foods to include or limit related to cancer risk (**Pictionary + image sheet**); nutrients related to chronic disease prevention (**Nutrition facts label activity**)



CNE PROGRAM

5-Part Educational Series, created for the needs of the population:

- Healthy Eating & Chronic Diseases
 - Nutrition & Diabetes
 - Nutrition & Heart Disease
 - Nutrition & Cancer
 - Planning & Shopping Smart



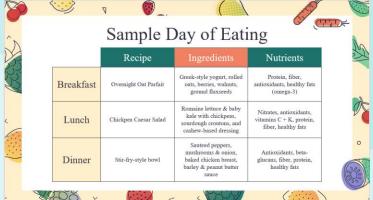
NUTRITION & DIABETES LESSON PLAN

Structure

- Introduction Instructor introduces themselves and explains the purpose of the presentation and topics to be covered
- Pre-lesson assessment Participants will be asked a series of questions to gauge their current knowledge
- Educational presentation Instructor presents slides
- Summary and Q&A Instructor summarizes key takeaways and answers any questions
- Diabetes plate activity Participants are given diabetes plate handouts and instruction
- Post-lesson assessment Participants will be asked a series of questions to gauge their knowledge after the slide presentation and activity

NUTRITION & DIABETES LESSON PLAN

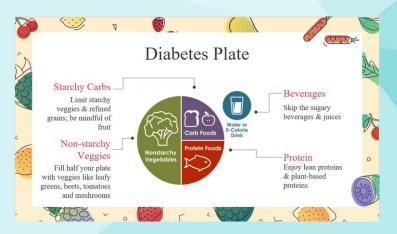


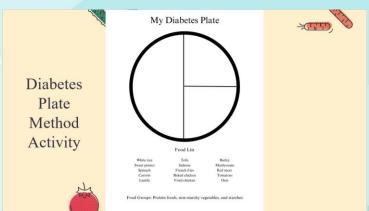


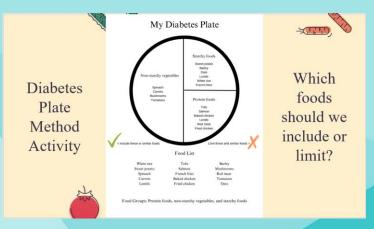
Topics included:

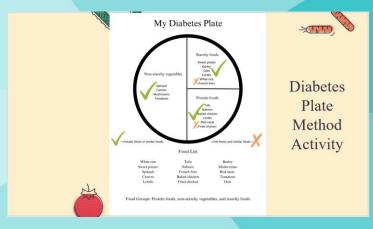
- Diabetes Basics what diabetes is and what it does, diabetes facts, types of diabetes, risk factors, and diagnostic methods & criteria
- Nutrients of Concern to include & to limit, such as carbohydrates (specifically fiber and sugar) and fat
- Diabetes Plate what is included, how to find balance, and a sample day of eating
- Other important topics possible complications,
 like increased risk of CVD and kidney disease;
 prevention; and management

NUTRITION & DIABETES LESSON ACTIVITY









KEY OUTCOMES^{13,14}

RE-AIM Dimensions	Measurements & Outcomes
Reach	 Sessions had 2-14 participants (out of 350 members, max 4%) The first run had better attendance (7-14 participants each session)
Efficacy/Effectiveness	 Overall, 85% of participants met learning goals during the 10 sessions Participants were interested in topics & pleased with sessions Many members were unaware the program was running
Adoption	 All sessions took place at the Keyport Senior Center, as planned Sessions presented by dietetic intern
Implementation	 The 10 sessions ran over a 6-week time period, as planned The sessions were free for all members, and advertised to local senior living communities (who could also participate for free) Post-lesson questionnaires were added for the second run, after the activities
Maintenance	 Staff has access to lesson plans and tools, but no nutrition educators on-site Participants were very receptive of new information & expressed desire to make changes; more nutrition education planned for this summer

CONCLUSIONS

- Program achievements
 - Steady core group of participants who were very engaged
 - Older adults learned about chronic diseases, risk factors, and how diet is related
 - Learning objectives were met overall
- Future considerations
 - Creating a marketing plan to reach more older adults living in the area
 - Not repeating lessons so quickly, to keep the number of participants up
 - Creating simplified activities, based on the preferred learning style of older adults
- o What's next?
 - Work with Madeline, the center's supervisor, to create future nutrition education for the target population; three planned for this summer at this time

REFERENCES

- ¹Keyport, New Jersey. Keyport Senior Citizen Center. Keyportonline.com. Accessed February 28, 2023. https://www.keyportonline.com/seniors.
- ²Keyport Senior Center. Facebook.com. Accessed February 28, 2023. https://www.facebook.com/profile.php?id=100063553297750.
- ³Census Bureau. Quick Facts. Census.gov. Accessed February 28, 2023.
- https://www.census.gov/quickfacts/fact/table/keyportboroughnewjersey,monmouthcountynewjersey/PST045222,PST045221.
- ⁴Census Reporter. Keyport borough, Monmouth County, NJ. Censusreporter.org. Accessed February 28, 2023.
- https://censusreporter.org/profiles/06000US3402536810-keyport-borough-monmouth-county-nj/.
- ⁵CDC. Percent of US Adults 55 and Over with chronic conditions. Cdc.gov. Reviewed November 6, 2015. Accessed March 5, 2023. https://www.cdc.gov/nchs/health_policy/adult_chronic_conditions.htm.
- ⁶CDC. Older Persons Health. Cdc.gov. Reviewed February 7, 2023. Accessed March 3, 2023. https://www.cdc.gov/nchs/fastats/older-american-health.htm.
- ⁷Eggersdorfer M, Akobundu U, Bailey RL, et al. Hidden Hunger: Solutions for America's aging populations. *Nutrients*. 2018;10(9):1210. doi:10.3390/nu10091210.
- ⁸Care Givers of America. 2022 Generation Names Explained. Accessed March 5, 2023. https://caregiversofamerica.com/2022-generation-names-explained/.
- ⁹USF. Generational Differences Chart. Usf.edu. Accessed March 5, 2023. https://www.usf.edu/hr-training/documents/lunch-bytes/generationaldifferenceschart.pdf.
- ¹⁰Truluck JE, Courtenay BC. Learning style preferences among older adults. Educational Gerontology. 2010;25(3):221-236. doi:10.1080/036012799267846.
- ¹¹Boyle MA. Community Nutrition in Action: An Entrepreneurial Approach. 7th ed. Cengage Learning; 2017.
- ¹²Boston University. How to Write Clear Learning Objectives. Bu.edu. Published July 13, 2012. Accessed February 24, 2023. https://www.bumc.bu.edu/cme/files/2012/07/13-Tips-for-writing-objectives.doc.
- ¹³RE-AIM. What is RE-AIM? Re-aim.org. Accessed May 12, 2023. https://re-aim.org/learn/what-is-re-aim/.
- ¹⁴RE-AIM. Recommended RE-AIM Slides for Presentation. Re-aim.org. Accessed May 12, 2023. https://re-aim.org/resources-and-tools/recommended-re-aim-slides/.