NATIONAL ASSOCIATION OF
CHRONIC DISEASE DIRECTORS
Promoting Health. Preventing Disease.

2023 GEAR Group:
Leveraging New Technology to Advance Chronic Disease Programming
Resources and References Document

About NACDD GEAR Groups

GEAR Groups explore their topic through case presentations, short didactic presentations, and active discussions throughout four 90-minute video conferences. A facilitator and strategist guide each discussion to explore opportunities for improvement through partnerships, promising interventions or policies, data, and evaluation.

About: Leveraging New Technology to Advance Chronic Disease Programming

With the advent and uptake of geospatial, cloud-based, digital, virtual, social media, telehealth, texting, apps, EHRs (Electronic Health Records)/Patient Portals and more, the potential for impact on public health outcomes has never been greater. However, these new technologies come with unique considerations like transitioning from older systems, funding, legal implications, and others. The cases that participants bring to this GEAR Group will focus on ongoing or planned work to elevate, utilize, or explore newer technological solutions to public health issues. Meetings were held in 2023 on Apr. 4, 11, 18, 25.

Participating states

- Alaska
- Louisiana
- Nebraska
- Nevada

Resources and References

The following resources were shared amongst the participants during the four-week GEAR Group in April 2023. The linked articles or resources do not necessarily represent the official views of individual participants, participants' respective organizations, or NACDD.

Rural Health

1. The Center for Optimizing Rural Health (CORH)
2. Social Norms and Engagement in Protective Health Behaviors Among Rural Health Providers.
3. Rural health roundtables: A strategy for collaborative engagement in and between rural communities
4. The Louisiana Rural Health Association (LRHA)
5. Alaska Diabetes Prevention Program Testimonial Video
6. Project ECHO
   a. https://hsc.unm.edu/echo/
   b. https://www.ruralhealthinfo.org/search?q=project+echo

Cancer Prevention and Detection

7. National Breast and Cervical Cancer Early Detection Program website
8. CDC: Promoting Early Detection and Treatment of Cancer
9. CDC: NCCCP Success Stories
10. Fulfilling the Potential of Cancer Prevention and Early Detection: Improving Participation in Cancer Screening Programs
11. Community-based Strategies to Promote Cervical Cancer Screening https://www.ncbi.nlm.nih.gov/books/NBK68246/
12. Winship (GA) Community Outreach and Engagement Program

Data Modernization

13. Public Health Infrastructure
14. CDC Data Modernization Initiative
15. "We are creating a world in which data can move faster than disease."
16. CDC DMI – Why Sustainable Funding Matters?
17. Leveraging Electronic Health Record Data for Timely Chronic Disease Surveillance: The Multi-State EHR-Based Network for Disease Surveillance.
18. Living Well with Chronic Disease
    a. https://doi.org/10.17226/13272
    b. https://nap.nationalacademies.org/read/13272/chapter/8

Health Mobile Applications (Apps)

19. Pew Research Center: Mobile Fact Sheet
20. FTC Mobile Health App Interactive Tool
21. The 5 Steps to Build a Medical App
22. The Public's Use of Health Apps and Wearables Has Increased in Recent Years. But Digital Health Still Has Room to Grow
23. Public health-related apps growing in number, popularity: Smartphones, tablets used for health
24. How Much Does it Cost to Create a Healthcare App?
25. How much does it cost to build an app in 2023?
26. Amazon Web Services application for addressing health equity