

ADVANCED LEADERSHIP PROGRAM

Elevated Leadership Tools for Advanced Leaders

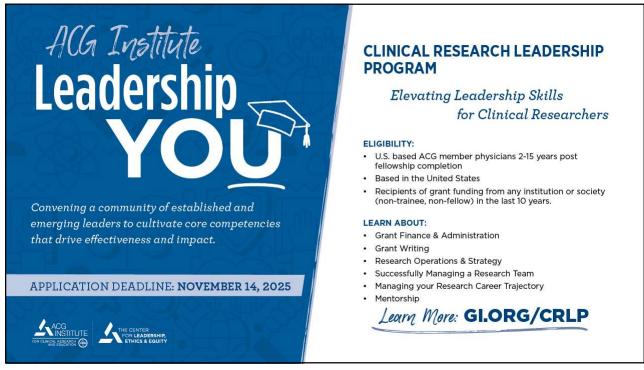
ELIGIBILITY:

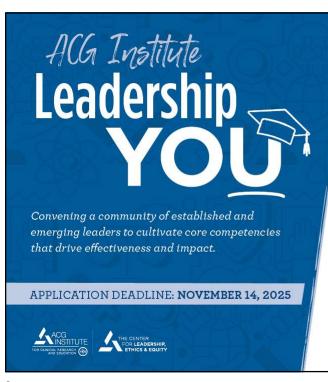
- U.S. based ACG member physicians 10-20 years post fellowship completion
- Based in the United States

LEARN ABOUT:

- · Impactful Networking
- · Financial Literacy for the Physician Leader
- · Actionable Emotional Intelligence
- · Conflict Resolution
- · Navigating Career Transitions
- · Running a Meeting Like a Boss

Learn More: GLORG/ALP





EARLY CAREER LEADERSHIP PROGRAM

Elevating Great Doctors into Great Leaders

ELIGIBILITY:

- U.S. based ACG member physicians 1 5 years post fellowship completion
- · Based in the United States

LEARN ABOUT:

- Effective Leadership
- · Impactful Networking
- · Emotional Intelligence
- Group Dynamics
- Team Building

Learn More: GI.ORG/ECLP

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ACG/ASGE Epidemiologic Research Award in Gastrointestinal Endoscopy

- \$50k/1- or 2-year award
- To fund research using the GIQuIC registry

•Request a Letter of Support from GIQuIC by November 3

•Email: research@giquic.org



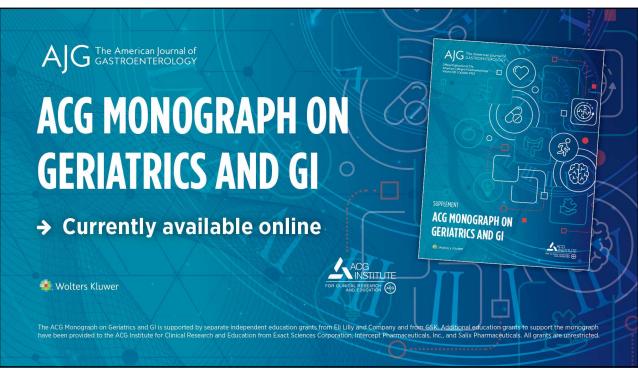




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ACG Institute RESEARCH GRANTS and AWARDS 2026



Learn more about the Leonidas Berry Health Equity Research Award.

DEADLINE: **DECEMBER 1, 2025**

- Visit gi.org/research-awards to learn more about the 8 grant categories & apply
- New! Grant Writing Resources gi.org/grant-writing-resources
 - for grant tips, videos, and written resources

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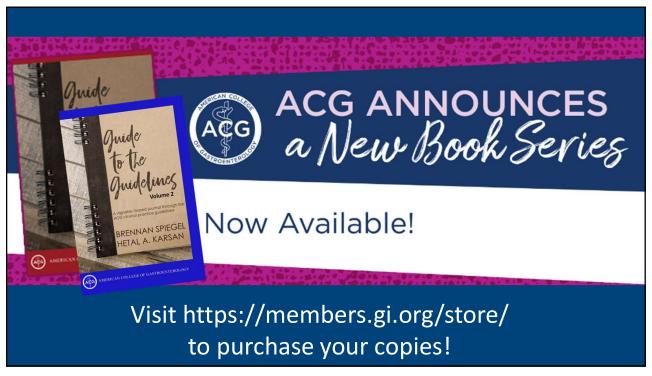








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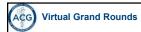
The Social Determinants of Health in Gastroenterology Care

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President, Akron Digestive Health
Professor of Clinical Internal Medicine, Northeast Ohio Medical University

Akron, Ohio





Introduction & Background

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Social Determinants of Health (SDOH)

- Conditions in which people are born, grow, live, work, and age
- Non-medical factors that affect average and distribution of health within populations
- Include social structures and economic systems that permit unequal access to power and resources, which impact health and health inequities
- Part of Healthy People 2030 goals

WHO, 2024; Shi et al., 2009; Alderwick et al., 2019

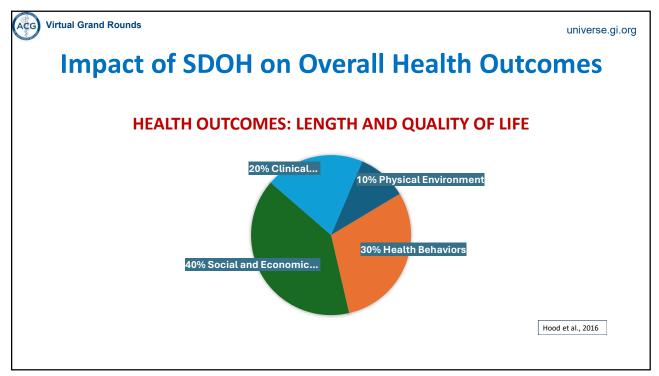


Healthy People 2030: SDOH and Stated Goals

| Social Determinants Of Health | Goal |
|------------------------------------|--|
| Economic Stability | Help people earn steady incomes that allow them to meet their health needs |
| Education Access and Quality | Increase educational opportunities and help children and adolescents do well in school |
| Health Care Access and Quality | Increase access to comprehensive, high-quality health care services |
| Neighborhood and Built Environment | Create neighborhoods and environments that promote health and safety |
| Social and Community Context | Increase social and community support |

U.S. Department of Health & Human Services, n.d.

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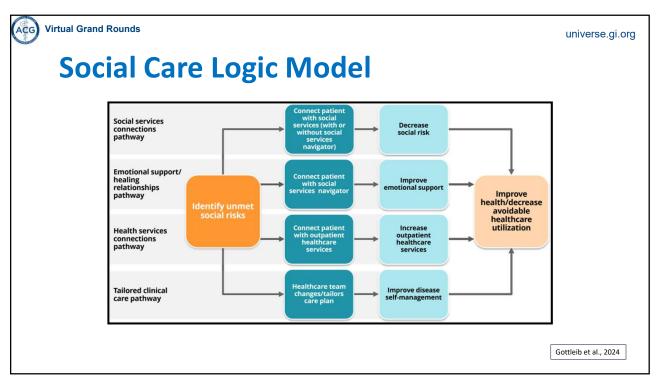
Health Expenditures Mismatch

- 2023 U.S. national health expenditure: \$4.9 trillion (\$14,570 per person); 17.6% of Gross Domestic Product
- 90% of health expenditure spent on clinical care, which contributes only 20% to health outcomes



CMS, 2024; Galea, 2016; Bipartisan Policy Center, 2012

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Burden/Cost of Gastrointestinal (GI) Diseases

- Significant, increasing burden of health care utilization and costs
- 61% of U.S. population had one or more GI symptom in last week
- 10-20% of all diagnoses made by primary care physicians
- In 2021 (most recent data):
 - GI symptom or diagnosis → 14.5 million emergency department visits
 - GI symptom or diagnosis → 2.9 million hospital admissions
 - GI health expenditures → \$111.8 billion

Almario et al., 2018; CDC, 2019; Peery et al., 2025

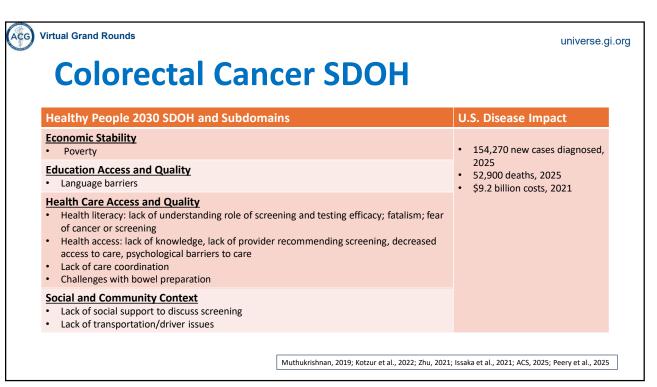
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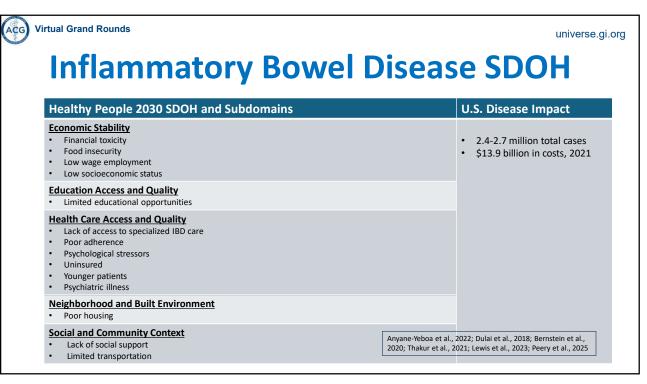


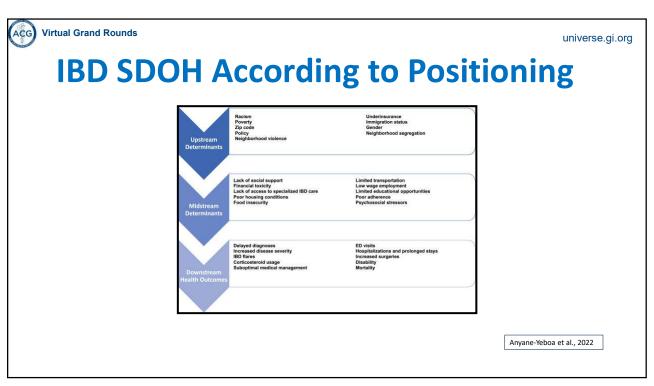
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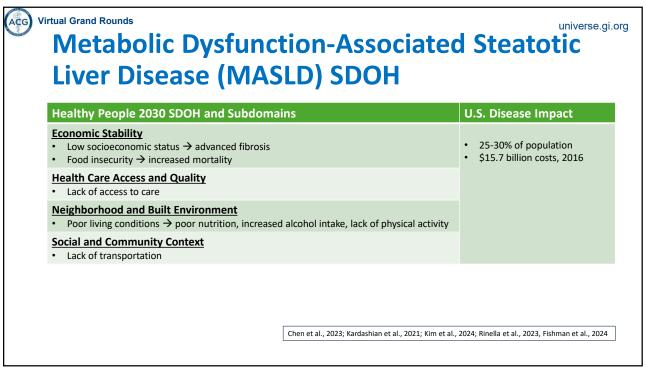
SDOH in Gastroenterology Care: Specific Diseases

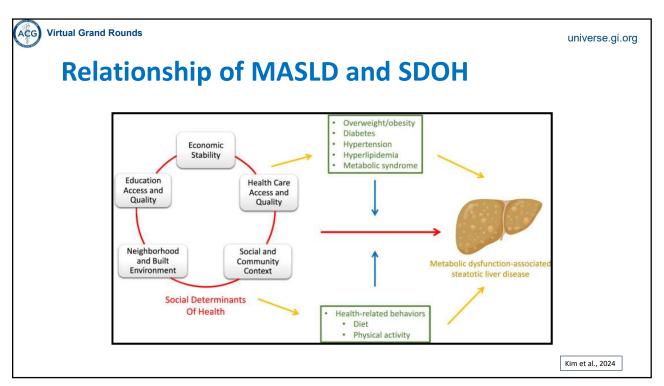
- Colorectal cancer
- Inflammatory bowel disease (IBD)
- Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD)
- Hepatitis C (HCV)
- Celiac disease
- Gastrointestinal cancers
- Literature survey was performed and SDOH for each disease identified and grouped under Healthy People 2030 SDOH categories

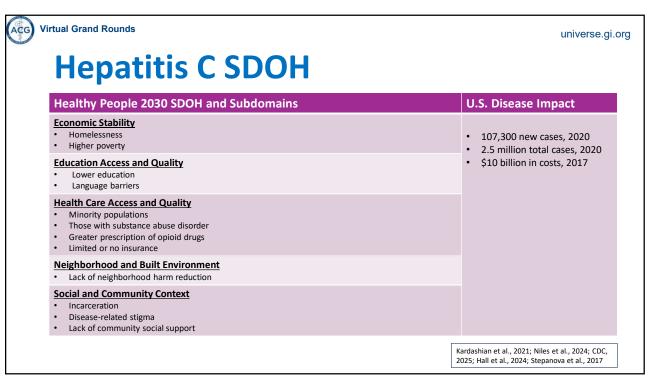


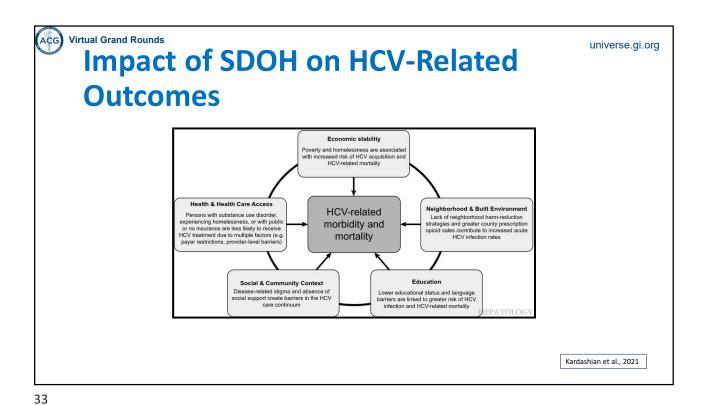












Celiac Disease SDOH

Healthy People 2030 SDOH and Subdomains

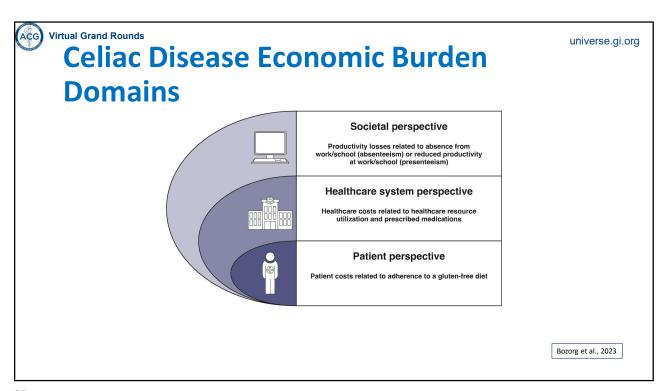
Economic Stability

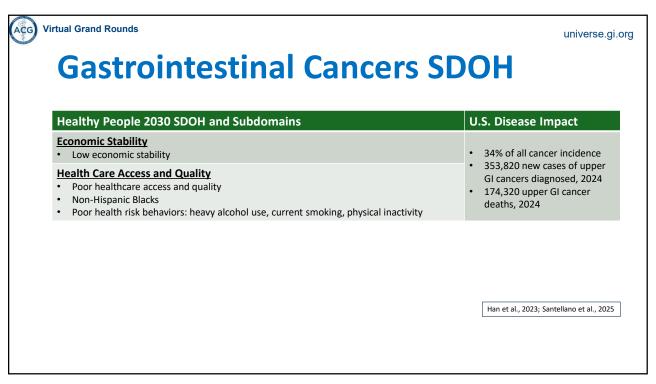
1. Lower socioeconomic status
1. Lower income

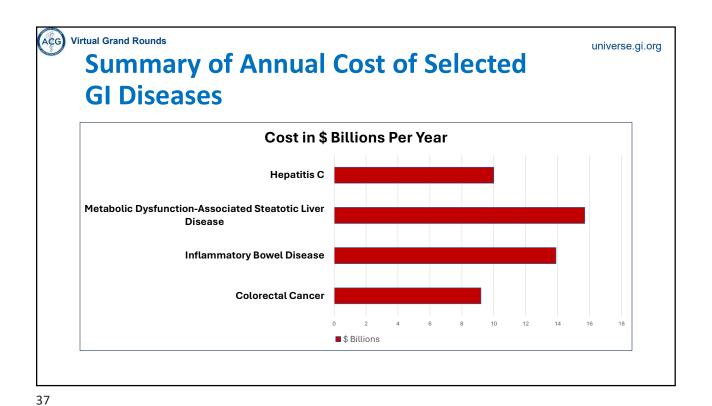
Education Access and Quality
1. Lower education

Health Care Access and Quality
1. Decreased access to care
1. Differences in health-seeking behavior
1. Lack of adherence to a gluten-free diet

Roy et al., 2016; Nikniaz et al., 2021; Rubio-Tapia et al., 2023







SDOH Survey of Clinical
Gastroenterologists



Hypothesis and Survey Questions

- <u>Hypothesis</u>: Most community gastroenterologists are not aware of (1) SDOH, (2) SDOH importance in clinical care, and (3) SDOH business impact
- Survey questions were developed to ascertain degree of awareness and importance of SDOH in community gastroenterologists

• Survey Questions:

- How aware are you of the social determinants of health: Economic stability, neighborhood and physical environment, education, food, community and social context and healthcare system?
- 2. How important do you think addressing social determinants of health could be in caring for patients with gastrointestinal disease?
- 3. How important do you think addressing social determinants of health could be for business aspects of a gastroenterology practice?

Kefalas et al., 2025

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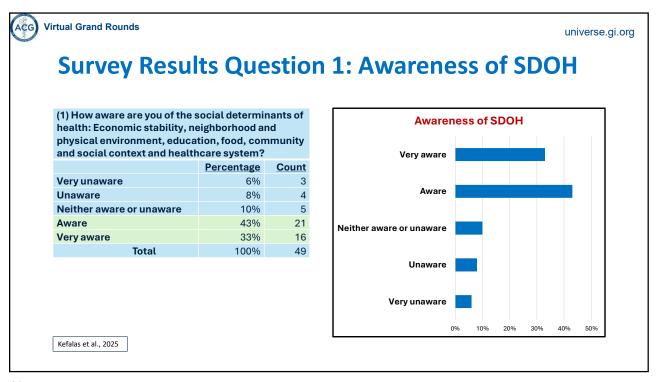


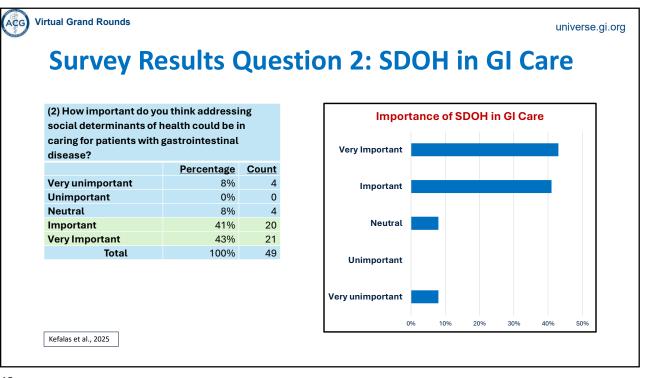
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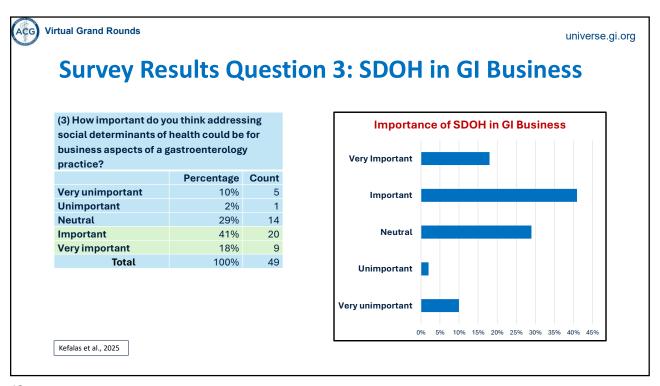
Survey Details

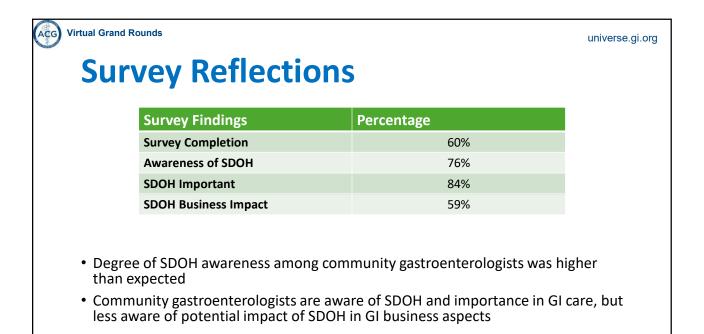
- Survey administered via Jefferson Qualtrics Experience Management
- Survey reviewed and waived by Jefferson IRB
- Sent to 41 gastroenterologists, all personal acquaintances, asking each to also forward survey to partner, for possible 82 total responses
- Diversity of gender, practice size, practice type, and geography
- All gastroenterologists practice in community setting

Kefalas et al., 2025









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Kefalas et al., 2025



Implications & Recommendations

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Assessing SDOH

- Several validated SDOH assessments or screening toolkits exist
- <u>Examples</u>:
 - CMS Accountable Health Communities Health-Related Social Needs Screening Tool
 - American Academy of Family Physicians Social Needs Screening Tool
 - Social Determinants of Health in Rural Communities Toolkit
 - AHQR Evidence Now
 - Health Leads Social Needs Screening Toolkit



Assessing SDOH: Health Leads Social Needs Screening Toolkit

- In my practice: Health Leads Social Needs Screening Toolkit
- Modified questionnaire includes explanation/disclaimer informing patients:
 - Used to identify social needs that could affect digestive health/care
 - Completely voluntary; answers remain in patient chart and confidential
 - Completing or not completing will not affect care received
 - May stop completing questionnaire even after starting it
 - Opportunity to request assistance on any or all social needs

Health Leads, 2018

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ICD-10 Z Codes for SDOH

- 70,000 ICD-10 codes → 70 Z codes for SDOH (Z55-Z66)
- SDOH ICD-10 Z codes minimally reimbursed by certain CMS reimbursement models; not at all by commercial payers
- Why enter ICD-10 SDOH Z codes now?
 - Data will be increasingly incorporated into value-based payment models
 - Improves care coordination across health system or medical practice
 - May lead to new resources to address specific, common SDOH

Jacobs, 2021; Inouye et al., 2022; Artega, 2025; Magoon, 2022



ICD-10 Z Codes for SDOH: Examples

| ICD-10 | Category | Description |
|-------------|-------------------------------|---|
| Z55 | Education and Literacy | Problems related to education and literacy |
| Z 56 | Employment | Problems related to employment and unemployment |
| Z57 | Occupational Exposures | Occupational exposure to risk factors |
| Z59 | Housing and Economic | Problems related to housing and economic circumstances |
| Z60 | Social Environment | Problems related to social environment |
| Z63 | Support Group/Family | Other problems related to primary support group, including family circumstances |

https://www.icd10data.com

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Assessing SDOH: Lessons Learned

- Screening need not be comprehensive
- Start SDOH assessment only when clinic staff ready
- Consider a pilot program
- Connections to community resources are critical; these may take time to develop
- Use existing community and local health system resources, if available
- All team members must understand workflow
- Think beyond launch, including training new staff, defining metrics, and establishing evaluation process for improvement

Bleacher et al., 2019

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Addressing Needs Identified on SDOH Screening

- Social services department or office (health system, hospital, large practice)
- Social workers
- Community health workers
- Patient navigators
- Population health pharmacists
- Weblink: findhelp.org based on zip code

Magoon, 2022; Knowles et al., 2023; Iacobelli et al., 2023; Kiles et al., 2023; findhelp 2025

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Business Case for Screening and Addressing SDOH

- Improves health outcomes and patient experience, and reduces costs
- No specific examples in GI care
- Extrapolated evidence from primary care:
 - Tied to organizations' degree of value-based care adoption
 - Aligned with creation of patient and community value
 - Identified multiple sources of short- and long-term value
 - Defined financial benefits leading to understanding success in value-based care
 - Improved understanding of cost drivers
 - Defined opportunities for efficiencies and dissemination planning

Yan et al., 2022; Tong et al., 2018; Wetterman et al., 2022



Business Case for SDOH: Summary Evidence

| SDOH Domain | Evidence |
|---------------------------------|---|
| Housing | Strong: Permanent housing reduces expensive health care |
| Home Modifications | Strong: Net savings for home modifications included in participant-directed home visit program |
| Nutrition | <u>Moderate</u> : Interventions to increase health food access lowers health care utilization and costs |
| Transportation | Moderate: Transportation improves access to care |
| Legal and Financial Counseling | Promising: Reduces ED visits, hospitalizations, and costs |
| Social Isolation and Loneliness | Promising: International programs, not in U.S. yet |
| Care Management | Range of evidence: Reduces costly health care services |

Note: Strong evidence: randomized controlled trials; moderate evidence: nonrandomized trials and observational studies with comparison groups; promising evidence: before-and-after (pre/post) and descriptive studies without comparison groups

McCarthy et al., 2022

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Business Case for SDOH: GI Practice Opportunity

- Decrease no show rates
- Increase CRC screening rates
- Promote access to medications
- Increase testing and treatment adherence
- Decrease practice costs
- Improve GI health outcomes
- Position practice for value-based care

Kefalas et al., 2025

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Implementing an SDOH Program in GI Practice (1)

- Kotter's 8-stage process of creating major change
 - 1. Create a sense of urgency
 - 2. Build a guiding coalition
 - 3. Form a strategic vision and initiatives
 - 4. Enlist volunteer supporters
 - 5. Enable action by removing barriers
 - 6. Generate short-term wins
 - 7. Sustained acceleration
 - 8. Institute change

Kotter, 1996

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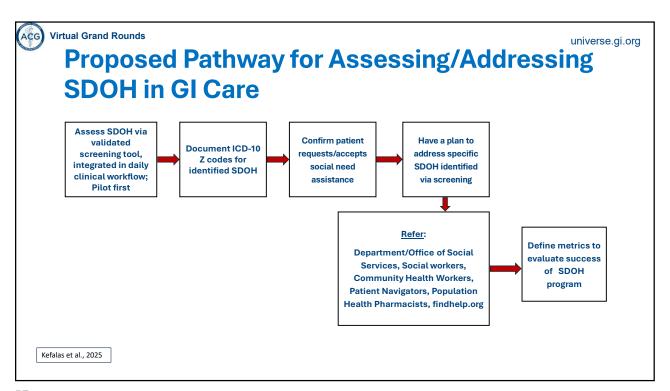


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Implementing an SDOH Program in GI Practice (2)

- Potential metrics to evaluate SDOH assessment program:
 - Number or percentage of patients undergoing SDOH screening
 - Number of referrals made to community resources addressing SDOH, and number of patients that follow through with referral
 - Any change in specific health outcome: medication adherence, ER visits, readmission rates
 - Assessment of patient satisfaction: satisfaction scores or ratings, patient narratives
 - Capturing ICD-10 Z codes: year over year, percentage vs. non-Z codes

AMA Steps Forward, 2024; Bradywood et al., 2021; Oregon Health Authority, 2023







Summary

- SDOH have greater role in health outcomes vs. clinical care by factor of 4:1
- Recognizing role of SDOH in several, common gastrointestinal diseases, and assessing/addressing identified needs and gaps will:
 - Improve health
 - Improve patient experience
 - Decrease cost
 - Improve business aspects of GI practice
- Gastroenterologists and their patients benefit by assessing/addressing SDOH

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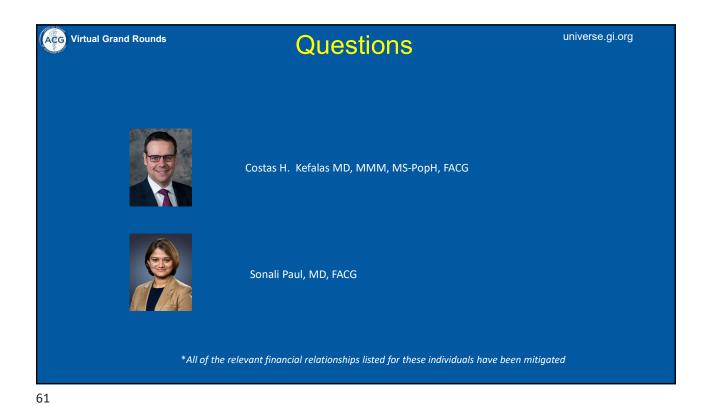


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Through
Collaboration

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