

UNDERSTANDING SOCIAL DETERMINANTS OF HEALTH (SDoH) ISSUES AND ADDRESSING DISPARITIES IN HEALTH CARE

Presented by [Name]
[Date]

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Meeting agenda

- 1 Health disparities
- 2 Social determinants of health (SDoH)
- 3 Suggestions for identification of patient needs
- 4 Merck educational materials

What are health disparities?

Health disparities refer to differences in health outcomes that are closely linked with social, economic, and/or environmental disadvantage^{1,2}

Health disparities affect groups of people who have systematically experienced greater obstacles to health on the basis of factors such as¹:

- Race or ethnicity
- Religion
- Socioeconomic class
- Age
- Sexual identity and orientation
- Mental health
- Disability status
- Geographic location

Reducing these disparities is important for improving health outcomes.³

References: 1. Disparities. Healthy People 2020. Accessed June 21, 2024. <https://wayback.archive-it.org/5774/20220414003754/https://www.healthypeople.gov/2020/about/foundation-health-measures/Disparities> 2. HHS action plan to reduce racial and ethnic health disparities: a nation free of disparities in health and health care. US Department of Health and Human Services, Office of Minority Health. April 8, 2011. Accessed August 8, 2024. https://cg-b88759ce-d31b-439a-9898-092a58f9927c.s3.us-gov-west-1.amazonaws.com/s3fs-public/documents/HHS_Plan_complete.pdf 3. Health disparities in HIV, viral hepatitis, STDs & tuberculosis: social determinants of health. Centers for Disease Control and Prevention. Last reviewed February 7, 2024. Accessed June 3, 2024. <https://www.cdc.gov/health-disparities-hiv-std-tb-hepatitis/about/social-determinants-of-health.html>

What are some examples of health disparities in cancer?

Health disparities are driven by social determinants of health (SDoH).¹ Patients who have obstacles to proper health care are affected by health disparities²

Some examples of health disparities:

2x

Black/African-American men are **twice as likely to die** of prostate cancer as non-Hispanic White men³



People who live in medically underserved areas have **higher incidence rates of certain cancers** and subsequently **higher cancer mortality rates** than those who live in other areas⁴

40%

Hispanic women are **40% more likely to be diagnosed with cervical cancer**, and 30% more likely to die of cervical cancer as non-Hispanic White women⁵

References: 1. Health disparities in HIV, viral hepatitis, STDs & tuberculosis: social determinants of health. Centers for Disease Control and Prevention. Last reviewed February 7, 2024. Accessed June 3, 2024. <https://www.cdc.gov/health-disparities-hiv-std-tb-hepatitis/about/social-determinants-of-health.html> 2. Social determinants of health. US Department of Health and Human Services. Accessed August 18, 2023. <https://health.gov/healthypeople/priority-areas/social-determinants-health> 3. Cancer and African Americans. US Department of Health and Human Services. Accessed June 21, 2024. <https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=4&lvlid=16> 4. AACR cancer disparities progress report 2024. American Association for Cancer Research. May 2024. Accessed June 13, 2024. https://cancerprogressreport.aacr.org/wp-content/uploads/sites/2/2024/05/AACR_CDPR__2024.pdf 5. Cancer and Hispanic Americans. US Department of Health and Human Services. Accessed June 21, 2024. <https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=4&lvlid=61#>

How do health disparities affect health outcomes in oncology?

Examples of health disparities:

~10%

The 5- and 10-year survival rates for invasive breast cancer are around 10% lower for Black/African-American women than for non-Hispanic White women¹

2x

Hispanic men and women are twice as likely to be diagnosed and die of stomach cancer as non-Hispanic White men and women²

↑

The incidence rates of colorectal, lung, and cervical cancers are higher in rural Appalachia than in urban areas in the region³

Graduation cap

People with more education are less likely to die before the age of 65 from colorectal cancer than those with less education, regardless of race or ethnicity³

Person icon

Older women who are of a racial or ethnic minority, have a lower sociodemographic status, or lack health insurance, have worse breast cancer health outcomes than younger women of the same demographic⁴

References: 1. Cancer Facts & Figures 2023. American Cancer Society; 2023. Publication No. 500823. 2. Cancer and Hispanic Americans. US Department of Health and Human Services. Accessed June 21, 2024. <https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=4&lvlid=61#> 3. Cancer disparities. National Cancer Institute. Accessed June 21, 2024. <https://www.cancer.gov/about-cancer/understanding/disparities> 4. San Miguel Y, et al. Age-related differences in breast cancer mortality according to race/ethnicity, insurance, and socioeconomic status. *BMC Cancer*. 2020;20(1):228.

What are examples of SDoH?

They include the conditions in which people are born, grow, live, work, and age¹



Quality housing



Access to healthy foods



Secure employment



Child care²



Safe neighborhoods and easy access to transportation



Community involvement



Educational opportunities



Access to health care services

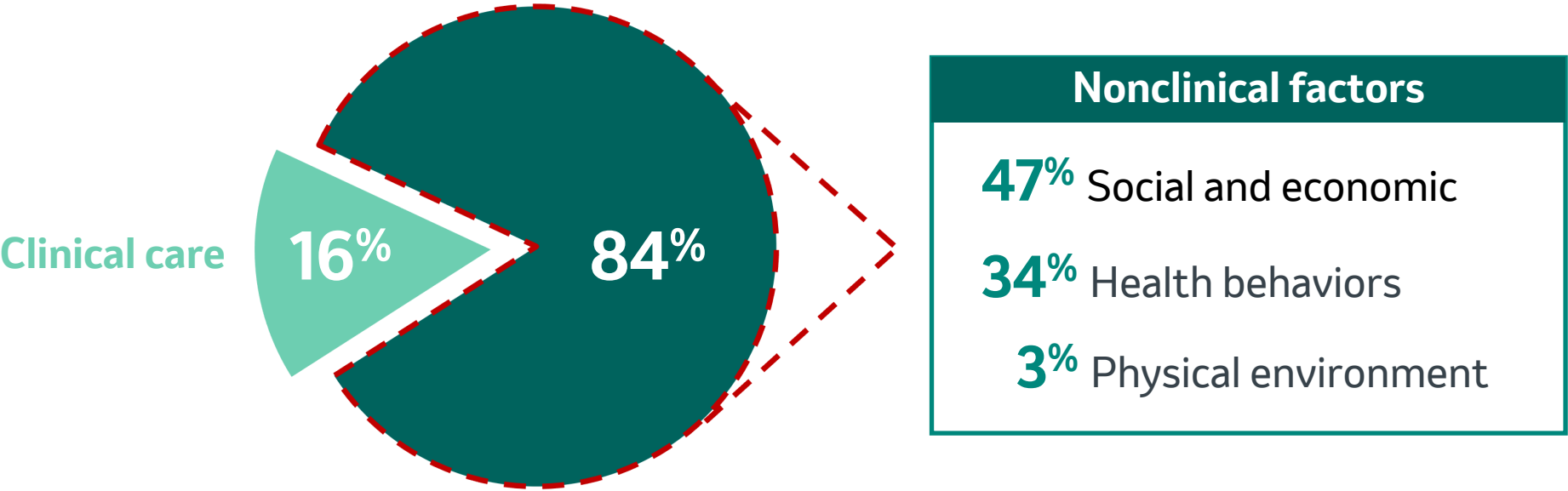
The health impact of SDoH reaches across many aspects of life.¹

References: 1. Social determinants of health. US Department of Health and Human Services. Accessed August 18, 2023. <https://health.gov/healthypeople/priority-areas/social-determinants-health>
2. Kennedy LB. Child care and early education is a social determinant of health—for children and adults. Harvard Medical School Center for Primary Care. October 23, 2020. Accessed June 21, 2024. <http://info.primarycare.hms.harvard.edu/review/child-care-early-education>

SDoH can contribute to overall health outcomes¹

Clinical care contributes only 16% to overall health outcomes, while nonclinical factors account for the remaining 84% (health behaviors 34%, social and economic forces 47%, physical environment 3%)

Factors in overall health outcomes



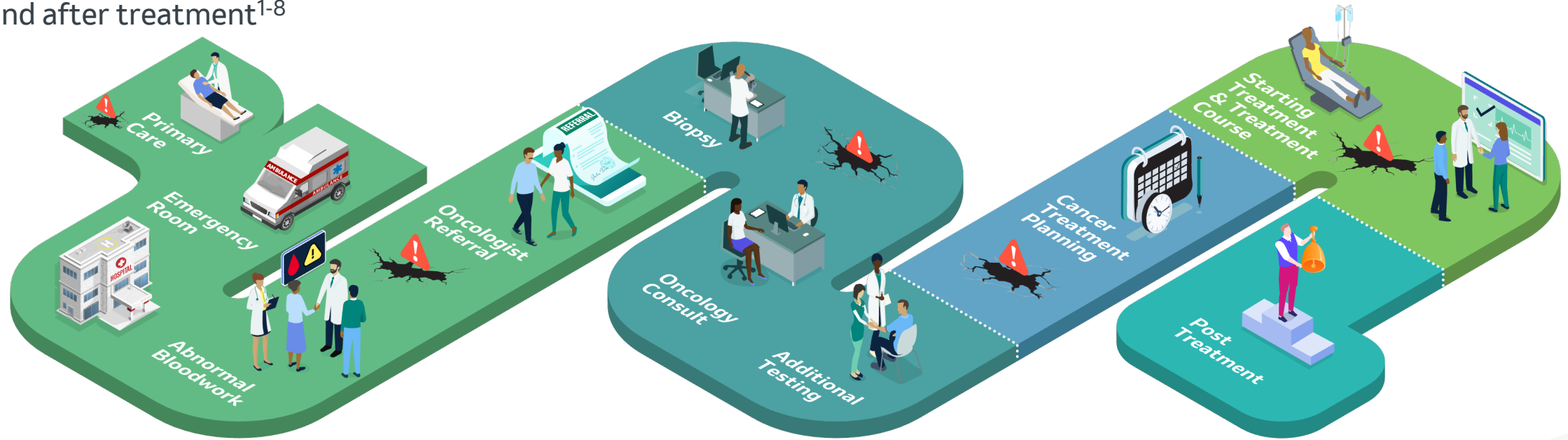
SDoH can manifest at any point along the patient's continuum of care²

References: 1. Rodriguez L, et al. A medical school's community engagement approach to improve population health. *J Community Health*. 2021;46(2):420-427. 2. AACR cancer disparities progress report 2024. American Association for Cancer Research. May 2024. Accessed June 25, 2024. https://cancerprogressreport.aacr.org/wp-content/uploads/sites/2/2024/05/AACR_CDPR_2024.pdf



Potential challenges to care for underserved patients

Throughout the patient's cancer journey, inequities and social determinants may present obstacles before, during, and after treatment¹⁻⁸



Delays Between Diagnosis and Treatment¹

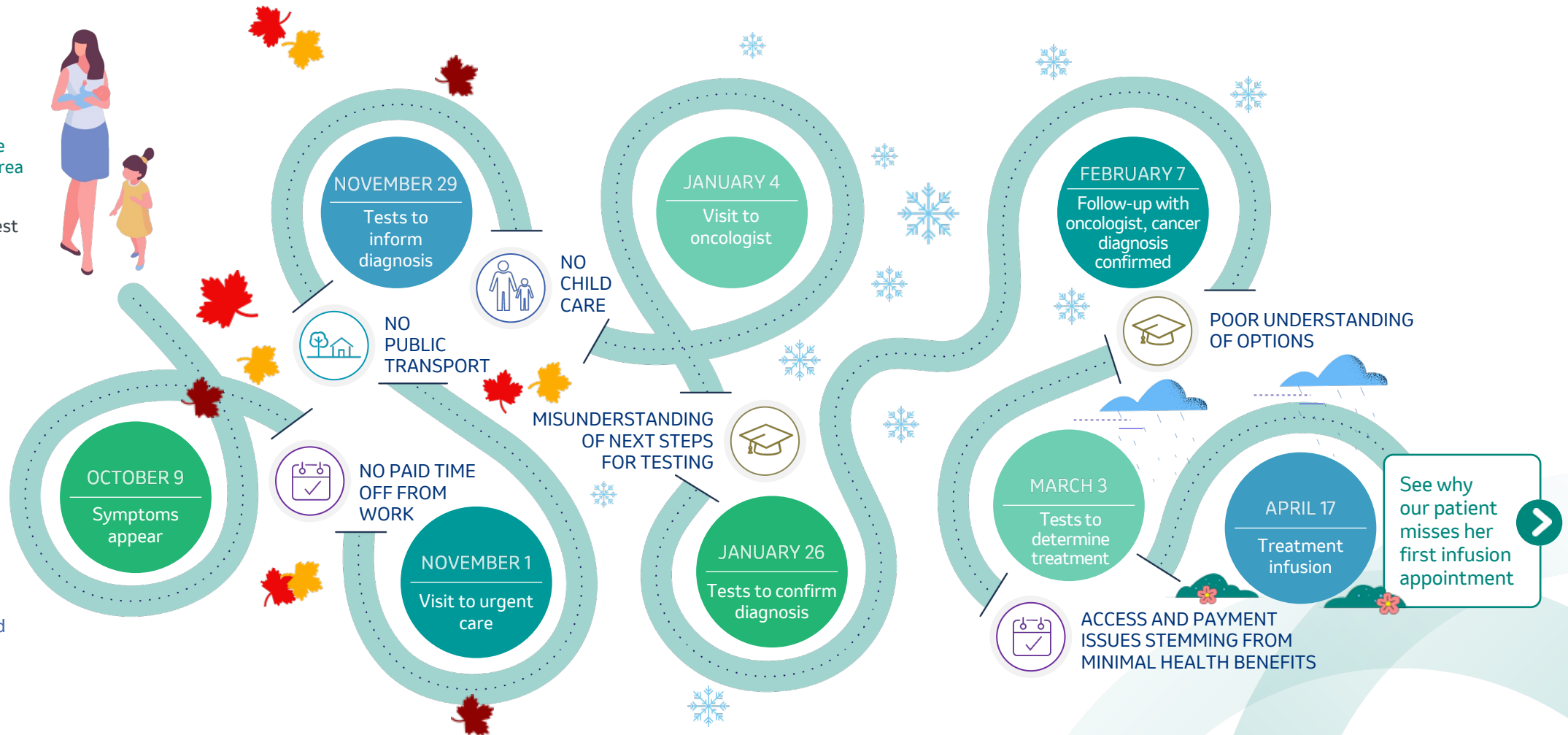
Lack of Guideline-Concordant Care^{1,4}

Challenges to Adherence^{1,7}


References: 1. AACR cancer disparities progress report 2024. American Association for Cancer Research. May 2024. Accessed June 25, 2024. https://cancerprogressreport.aacr.org/wpcontent/uploads/sites/2/2024/05/AACR_CDPDR__2024.pdf 2. How often should you visit your primary care physician? Weirton Medical. February 24, 2021. Accessed June 25, 2024. <https://www.weirtonmedical.com/blog/how-often-should-you-visit-your-primary-care-physician/> 3. Levin M. CBC blood test. MedlinePlus. Updated October 16, 2022. Accessed June 18, 2024. <https://medlineplus.gov/ency/article/003642.htm> 4. Choosing a cancer doctor. American Cancer Society. Accessed June 25, 2024. <https://www.cancer.org/cancer/managing-cancer/finding-care/where-to-find-cancer-care/choosing-a-cancer-doctor.html> 5. What do doctors look for in biopsy and cytology samples? American Cancer Society. Accessed June 25, 2024. <https://www.cancer.org/cancer/diagnosis-staging/tests/biopsy-and-cytology-tests/testing-biopsy-and-cytology-samples-for-cancer/what-doctors-look-for.html> 6. Waiting for your biopsy or cytology test results. American Cancer Society. Accessed June 25, 2024. <https://www.cancer.org/cancer/diagnosis-staging/tests/biopsy-and-cytology-tests/waiting-for-your-biopsy-or-cytology-test-results.html> 7. How treatment is planned and scheduled. American Cancer Society. Accessed June 25, 2024. <https://www.cancer.org/cancer/managing-cancer/making-treatment-decisions/planning-scheduling-treatment.html> 8. When treatment should start. American Cancer Society. Accessed June 25, 2024. <https://www.cancer.org/cancer/managing-cancer/making-treatment-decisions/when-treatment-should-start.html>

Hypothetical patient journey negatively influenced by SDoH

-  Lives in low-income housing in a rural area
-  20 miles from closest medical center
-  Limited public transportation
-  Unreliable support system
-  Hourly job paying minimum wage
-  English as second language/limited health literacy
-  2 children under 8 years with limited child-care options

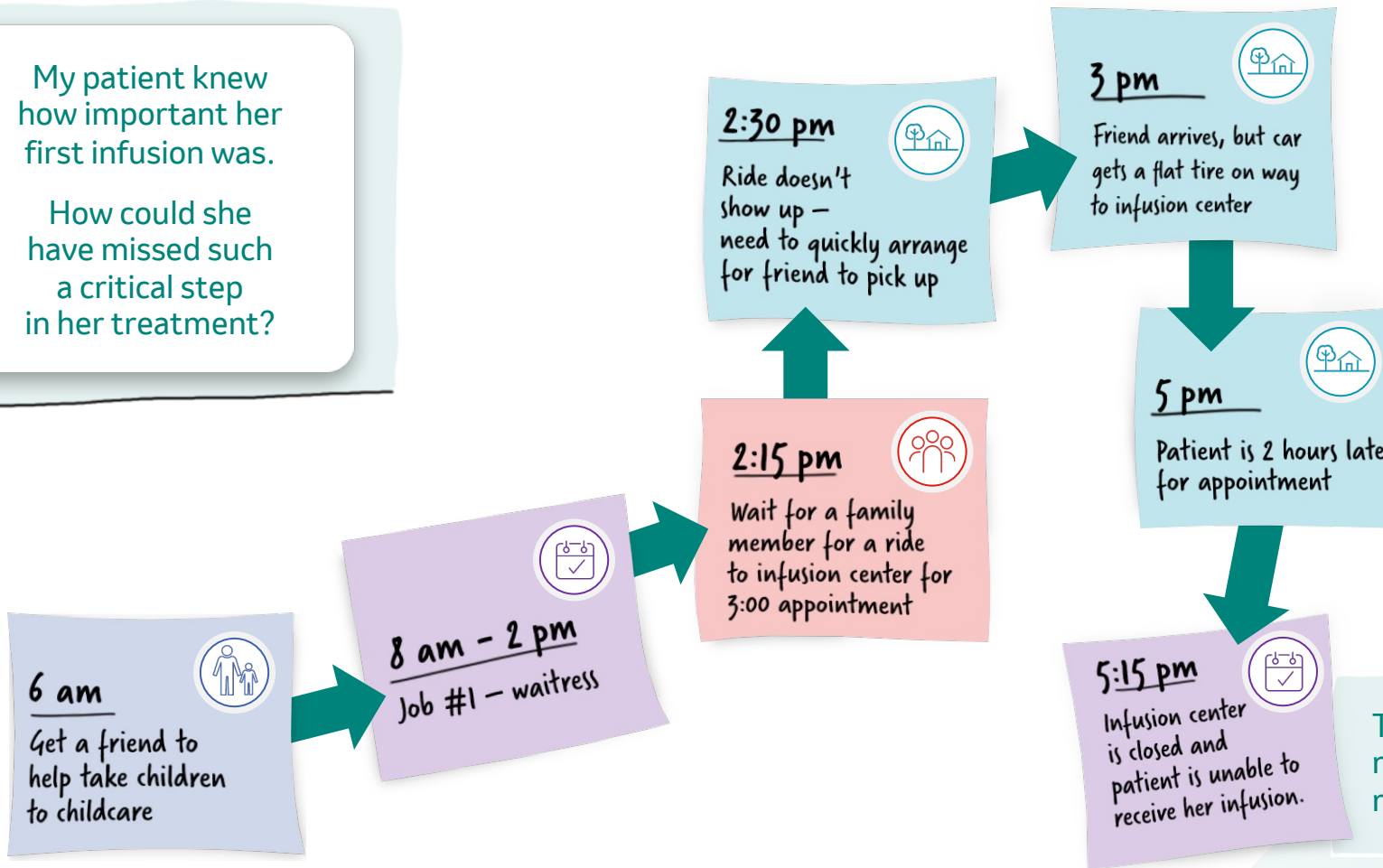


Hypothetical patient journey negatively influenced by SDoH (continued)



My patient knew how important her first infusion was.

How could she have missed such a critical step in her treatment?

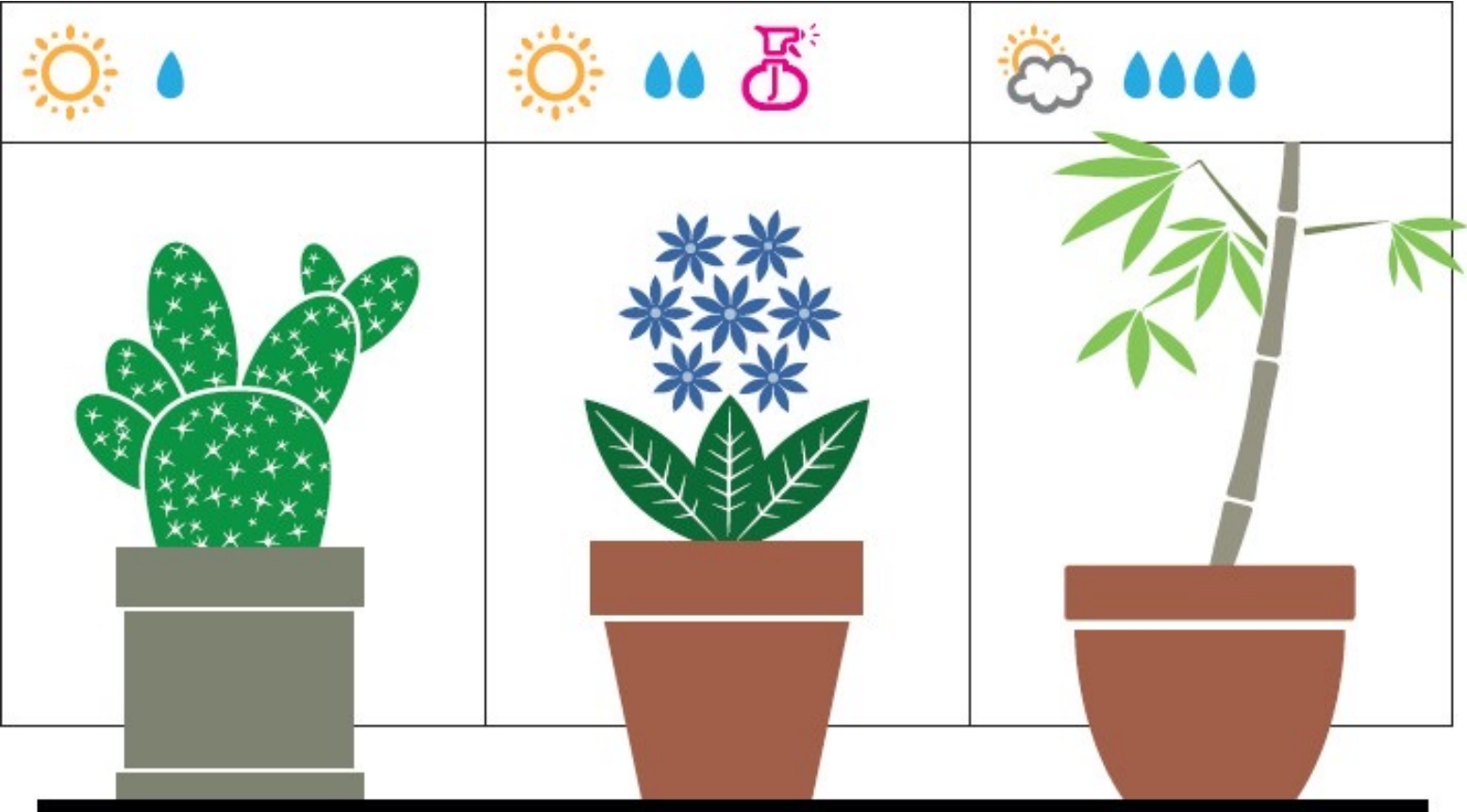


-  Limited public transportation
-  Unreliable support system
-  Hourly job paying minimum wage
-  2 children under 8 years with limited child-care options

The appointment needs to be rescheduled.

Single mom with newly diagnosed cancer, underinsured, 2 children, 2 jobs, reliant on friends and family for child care and transportation.

We don't all require the same level of support¹



Reference: 1. Tucker-Seeley R, et al. Social determinants of health and cancer care: an ASCO policy statement. *JCO Oncol Pract.* 2024;20(5):621-630.

Suggestions for identification of patient needs



Asking patients about their SDoH¹



Identifying resources in patients' communities that can help address disparities^{1,2}



Connecting patients with resources to help address disparities^{1,2}

Other considerations include:



Documenting SDoH in electronic health records³



Understanding bias and the importance of cultural competency for providers¹

References: 1. Addressing social determinants of health in primary care: team-based approach for advancing health equity. American Academy of Family Physicians. 2018. Accessed December 21, 2022. https://www.aafp.org/dam/AAFP/documents/patient_care/everyone_project/team-based-approach.pdf 2. Alcaraz KI, et al. Understanding and addressing social determinants to advance cancer health equity in the United States: a blueprint for practice, research, and policy. *CA Cancer J Clin.* 2020;70(1):31-46. 3. Chen M, et al. Social determinants of health in electronic health records and their impact on analysis and risk prediction: a systematic review. *J Am Med Inform Assoc.* 2020;27(11):1764-1773.

Recommendations for identifying individual SDoH

The Working Group convened by the National Comprehensive Cancer Network® (NCCN®) recommends screening for health-related social needs (HRSN) to help further reduce disparities in access to guideline-adherent cancer care¹

Patient screenings for HRSN should be:



A routine part of clinical care (annually & care transitions)



Discussion-based interactions that support a comprehensive care conversation (not a “check the box” exercise)

Recommendations for practices include:



Investing in technology



Allocating dedicated staff for screenings



Establishing a plan to address unmet needs (referral systems, sources, and partnerships for needed services)



Providing training and education (why HRSN screenings are important and how to do them well)

HRSN screenings: NCCN patient and provider considerations¹

There are certain patient sensitivities that are important for HCPs to keep in mind with HRSN screenings

Considerations for patients:

Considerations for providers:



Patients can often face **question fatigue** when answering questions repetitively



HCPs should incorporate **open-ended questions**:
Example: “What has changed since I last saw you that might impact your ability to continue your treatment?”



Changes in **lifestyle factors** can impact a patient’s ability to continue treatment (employment, insurance coverage, caregiver support, or living situation)



Conduct routine HRSN screening to support treatment planning and inform needed adjustments



Given the sensitive nature of some of the information asked, patients **may not feel comfortable** sharing certain information



HCPs should **ask permission** to ask **HRSN questions**, acknowledge the potential sensitivity of some information, and respect a patient’s decision on what to share

HRSN=health-related social needs.

Reference: 1. Measuring and addressing health-related social needs in cancer: working group recommendations. National Comprehensive Cancer Network. Accessed April 11, 2024. <https://www.nccn.org/docs/default-source/oncology-policy-program/HRSN-WG-Recommendations.pdf>



Putting conversation into practice¹

In addition to prioritizing certain areas for initial HRSN assessment, the Working Group convened by NCCN recommends additional personalized, patient-centered questions



4 core assessments include:

- 1 Access to transportation
- 2 Access to food
- 3 Financial security
- 4 Housing security



Recommended secondary topics of conversation to further understand patient's needs:

- Social/caregiver support
- Utility assistance
- Work support (employer accommodations, paid sick leave)
- Neighborhood and community safety
- Health insurance
- Health literacy and health insurance literacy
- Digital connectivity

HRSN=health-related social needs.

Reference: 1. Measuring and addressing health-related social needs in cancer: working group recommendations. National Comprehensive Cancer Network. Accessed April 11, 2024. <https://www.nccn.org/docs/default-source/oncology-policy-program/HRSN-WG-Recommendations.pdf>



Appropriate ICD-10-CM Z and HCPCS codes may be used to identify SDoH needs of the patient^{1,2}

Recently introduced by the Centers for Medicare & Medicaid Services, these codes may be used by providers, social workers, case managers, nurses, and others to help identify SDoH factors that may impact a patient's health outcomes¹⁻³

When this information is identified and documented, it can help improve quality, care coordination, and experience of care for the patient that can include^{1,2}:

- Informing follow-up appointments and discharge planning
- Generating referrals for needed social services
- Tracking referrals between providers and social service organizations






HCPCS=Healthcare Common Procedure Coding System; ICD-10-CM=International Classification of Diseases, Tenth Revision, Clinical Modification.

References: 1. Using SDoH Z codes. Centers for Medicare & Medicaid Services. June 2023. Accessed July 17, 2023. <https://www.cms.gov/files/document/zcodes-infographic.pdf>

2. Care management services and proposed social determinants of health codes: a comparison. American Society of Clinical Oncology. Accessed May 10, 2024. <https://society.asco.org/sites/new-www.asco.org/files/content-files/practice-patients/documents/Care-Management-SDOH-CHI-PIN-Comparison.pdf> 3. HHS action plan to reduce racial and ethnic health disparities: a nation free of disparities in health and health care. US Department of Health and Human Services, Office of Minority Health. April 8, 2011. Accessed August 8, 2024. https://cg-b88759ce-d31b-439a-9898-092a58f9927c.s3.us-gov-west-1.amazonaws.com/s3fs-public/documents/HHS_Plan_complete.pdf

Merck educational materials regarding SDoH and health disparities

 <p>Medication adherence resources</p>	<p>Health care professionals Resources to help HCPs support and facilitate more productive conversation with patients, gauge the likelihood of patients adhering to their newly prescribed medication, and gather feedback from patients</p> <p>Consumers Resources to help patients keep track of their medications and important prescription information, and to share information with their HCPs to enable informed conversations</p>
 <p>Relationship-centered communication resources</p>	<p>Health care professionals Informational and guiding resources to help foster shared decision-making between patients and HCPs to help improve communication, encourage collaboration, and empower patients to make positive behavioral changes</p> <p>Consumers Resources to educate patients on shared decision-making and identification of potential issues for consideration with support from their health care team before transitioning from the hospital</p>
 <p>Patient activation/caregiver engagement resources</p>	<p>Health care professionals Available resources that explore health literacy challenges, create awareness, promote action for change, and help bridge communication gaps through patient activities and provider strategies</p> <p>Consumers Resources for both patients and caregivers to help address:</p> <ul style="list-style-type: none">• Informational needs for newly diagnosed patients and those beginning treatment• Daily caregiving, such as managing and administering medications, healthy eating, and being active

Merck educational materials regarding SDoH and health disparities

 Health literacy	Health care professionals Resources designed to help HCPs understand health literacy and how to communicate with patients to help them understand their disease, course of treatment, and medication regimen
 Health care disparities	Health care professionals Resources intended to help HCPs identify, address, and reduce disparities in health equity needs by initiating and navigating discussions with patients who may face challenges and barriers to care
 Transitions and coordination of care	Consumers Resources to help prepare for the patient's transition across settings of care, and guidance on how to capture important information and action items related to each oncology appointment
 Prevention and wellness	Consumers Food, communication, and confidence—resources focused on lifestyle, food, and mindset to help address the unique needs of patients, including making healthy food choices
 Screening	Health care professionals Resources that reinforce the clinical importance of screening

What are some next steps for your organization to consider?

It is critical to identify SDoH and to make resources available to patients to help diminish health disparities



Health care organization (HCO) identifies common SDoH in its patient population



HCO connects patients with community-based organizations to address specific SDoH



Potential to improve equitable access to care for all patients

