Healthcare Disparities in Bladder Cancer



For additional resources, please visit our US Medical Resources Website Oncology Page at: https://medinfo/therapeutic-areas/oncology.html





Table of Contents



Healthcare Disparities in cancer (US data) Overview of cancer in the United States Disparities in cancer S



Bladder Cancer (UC) Disparities

Latest epidemiology/data trends	\bigcirc
Disparities in Bladder cancer	>

Efforts to Address Disparities



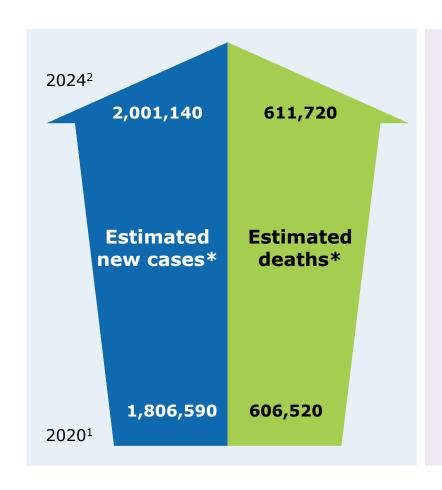
Healthcare Disparities in Cancer (US data)

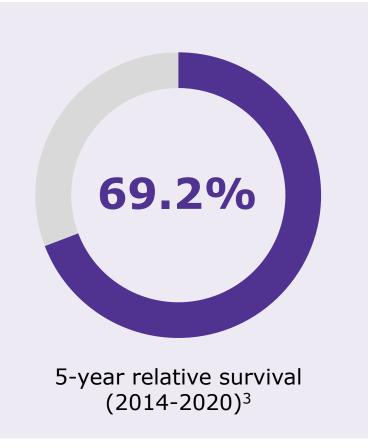


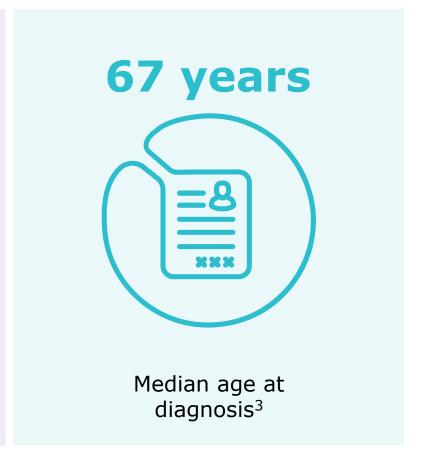




An Overview



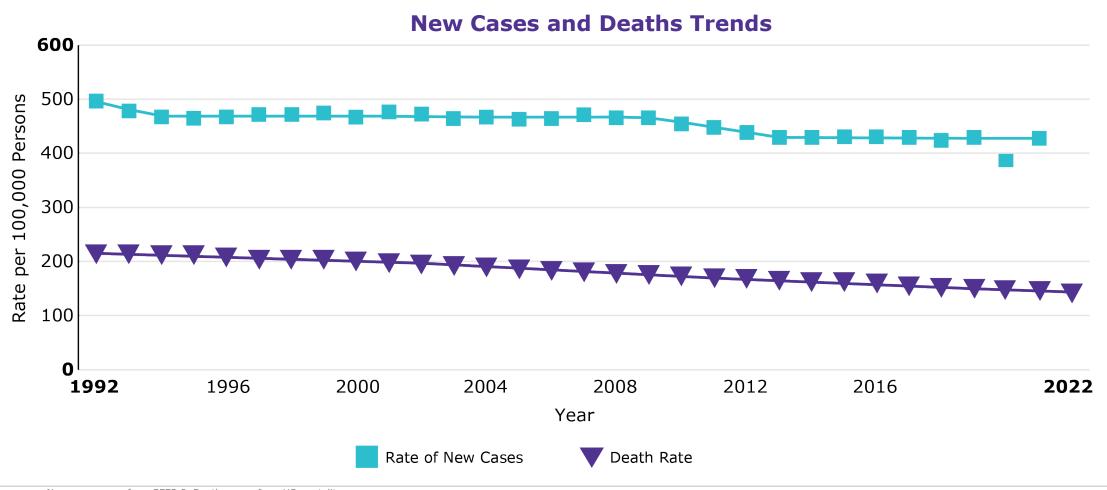








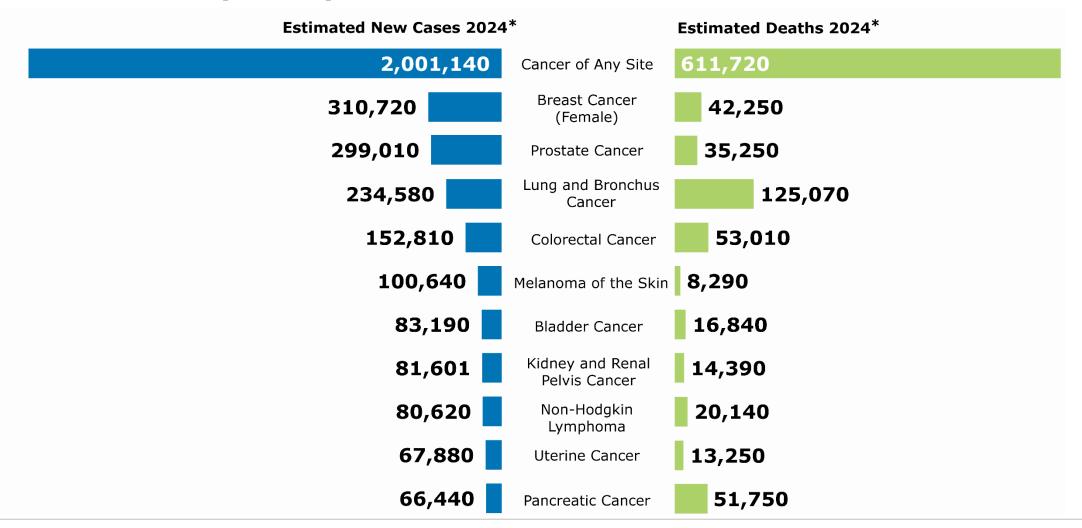
An Overview (contd.)







An Overview (contd.)

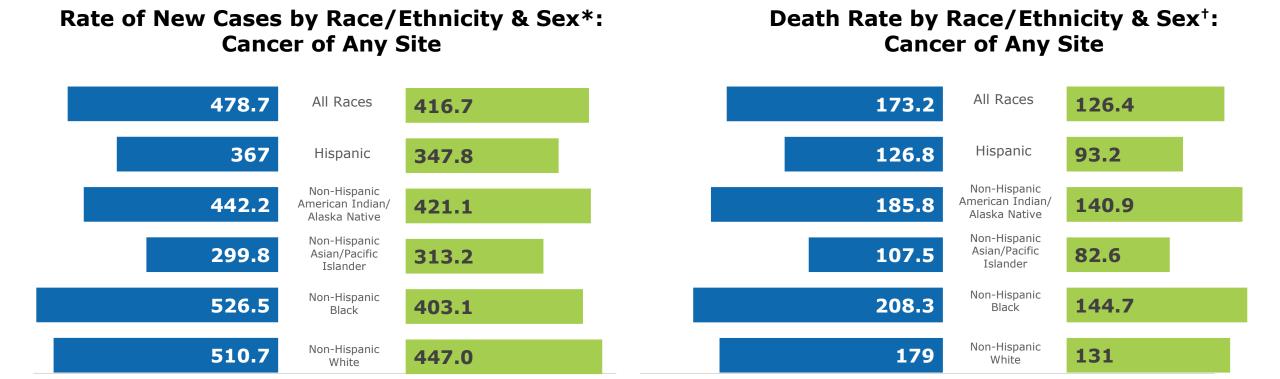






An Overview (contd.)

Male





Female

Male

Female

Healthcare Disparities in Cancer (US data)

Despite overall declines in cancer incidence and mortality rates, healthcare disparities persist, creating substantial social and economic burdens¹

Four key factors contributing to disparities include:



Access to Care



Race/Ethnicity



Socioeconomic Status



Geographical Location





Access to Care



Limited access can result from various barriers, including lack of health insurance, transportation issues, and a shortage of healthcare providers in certain areas.

Barriers that can lead to delays in diagnoses and treatment, which are crucial in cancer care, include:

- Access to high-quality oncology care can vary based on :
 - Location
 - Socioeconomic factors
- Patients in underserved areas may not have access to the latest treatments and technologies.^{1,2}

- Consistent and continuous care is crucial for effective cancer treatment.²
- Negative impact on patient outcomes can be observed due to disruptions in care by factors like:
 - Financial barriers
 - Transportation issues or other factors





Socioeconomic Status



Patients with lower socioeconomic status often face barriers such as lack of insurance, inability to afford treatment, and limited access to high-quality healthcare facilities.¹

Areas where socioeconomic factors can affect health disparities in clinical practice include:

Insurance and Financial Barriers:

- Patients with lower socioeconomic status often lack adequate health insurance, which limits their access to necessary treatments and medications.¹
- High out-of-pocket costs can deter patients from seeking timely care.²

Education and Awareness:

- Lower levels of education can result in a lack of awareness about cancer symptoms, screening programs, and treatment options.
- This leads to delayed diagnoses and poorer outcomes.³

Transportation and Support Services:

 Financial constraints can also affect patients' ability to travel to treatment centers, especially if they are located far from their homes.¹





Race and Ethnicity



Systemic inequities contribute to higher cancer rates and poorer outcomes among minority groups.

These include:

Language Barriers:

 Non-English speakers may struggle to understand medical information and communicate effectively with healthcare providers, leading to misunderstandings and suboptimal care.¹

Cultural Beliefs:

- Cultural differences can influence health behaviors, attitudes towards medical treatment, and trust in the healthcare system.²
- Historical injustices have led to mistrust of the medical system among some minority groups, resulting in delayed or avoided care.³

Insurance access:

 Variations of insurance coverage across ethnic groups is linked to disparities in cancer stage at diagnosis. Minority groups have higher percentages of stage III-IV cancer at diagnosis that may be attributable to lack of health insurance.⁴





Geographic Location



Geographic disparities in cancer incidence and outcomes in the United States are influenced by several factors.

Availability of Services:

 Residents of rural areas with low socioeconomic status experience considerable disadvantages related to limited access to quality healthcare (such as shortage of primary care physicians, oncologists, and other cancer care specialists).

Health Behaviors:

Rural residents tend to be older, engage in risky health behaviors like tobacco use and poor diet, and have lower adherence to preventive care than their urban and suburban counterparts. This places them at higher risk of cancer and other chronic diseases.

Financial Barriers:

 Health disparities are further exacerbated by the lack of health insurance. Also, the overall cancer mortality is significantly higher in persistent poverty counties versus nonpersistent poverty counties.



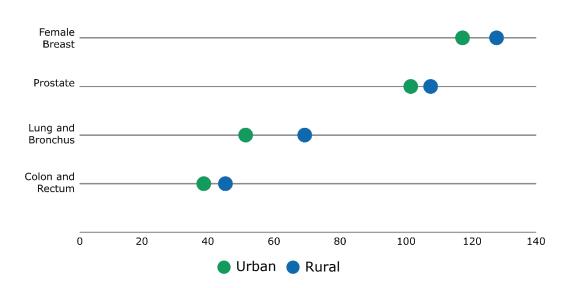


Geographic Location (contd.)

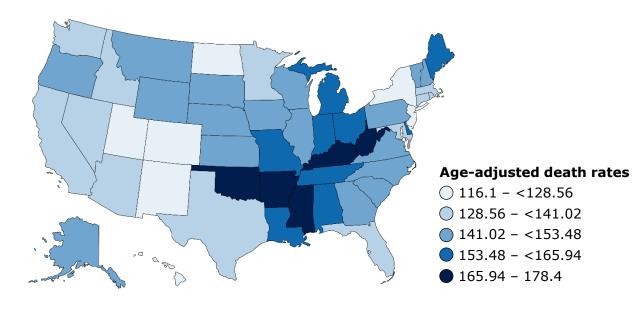


Geographic disparities in cancer incidence and outcomes in the United States are influenced by several factors.

Incidence rates for most common cancers^{1,*}



Cancer mortality in United States^{2,*}





Bladder Cancer (UC) Disparities

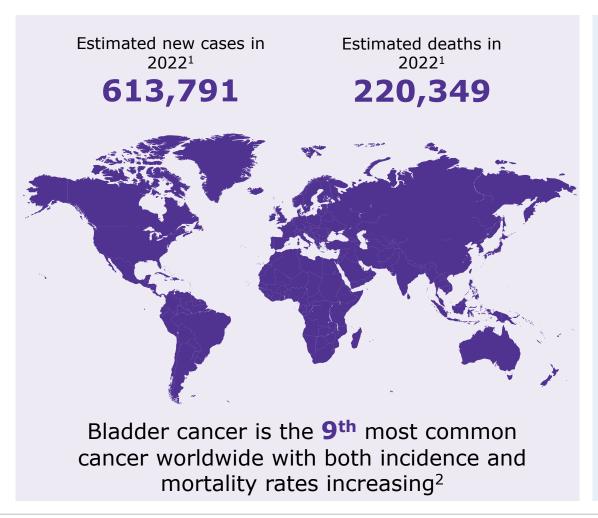


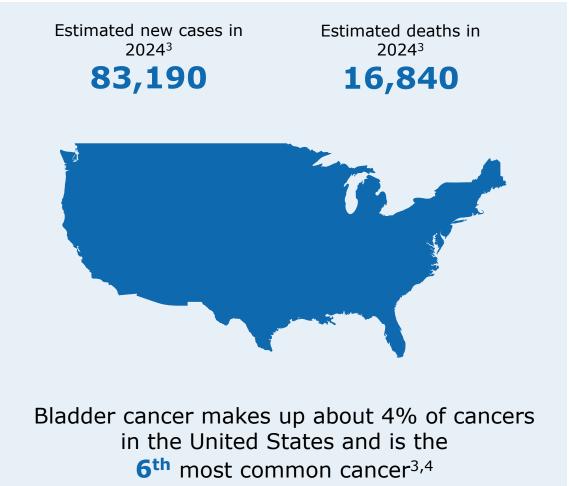




Bladder Cancer Overview

Prevalence



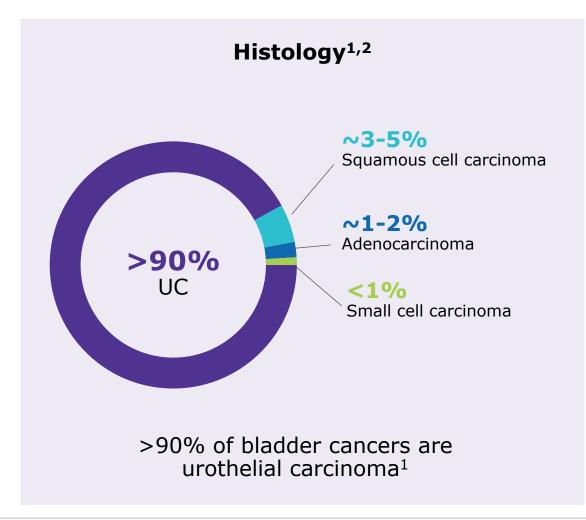


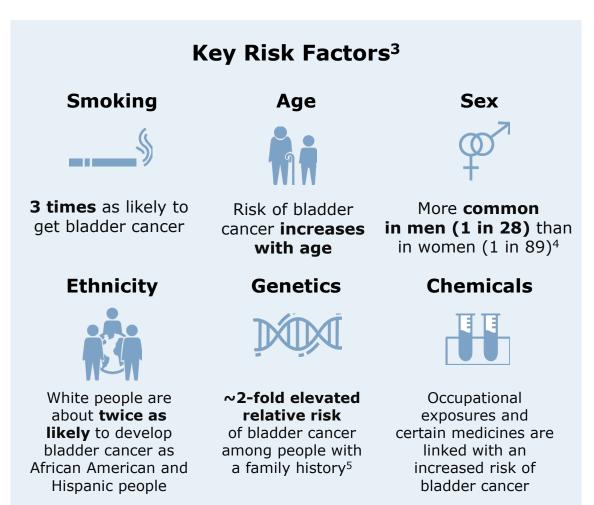




Bladder Cancer Overview

Histology and Risk Factors





UC: Urothelial carcinoma







Gender



Access to Care



Race and Ethnicity



Clinical Trials





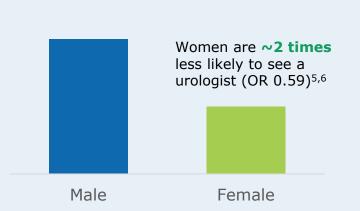
Gender

Diagnosis

Women experience longer wait times and are less likely to be assigned comprehensive care

- Women may wait 2 to 4 weeks longer than men to receive timely diagnostic evaluation¹
- Women are less likely to be referred to a urologist or receive complete evaluation¹

Urologist visit probability

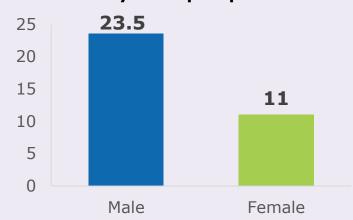


Treatment

Women are less likely to receive treatments that may improve prognosis

- Women receive fewer cystoscopies than men in many parts of the United States¹
- Women are less likely to undergo definitive curative radical cystectomy than men^{1,2}

Mean cystoscopies per 10007

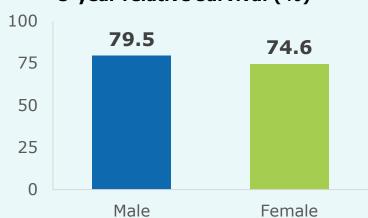


Outcomes

Women are more likely to have worse outcomes than men

- While males are more likely to have bladder cancer, females are frequently detected at an advanced stage^{3,4}
- Women have a greater risk of recurrence and worse overall survival than men¹

5-year relative survival (%)⁸



OR: odds ratio

_apc=on&advopt_display=2#resultsRegion1

1. Association of Community Cancer Centers. Understanding and mitigating disparities in bladder cancer care. Published April 2022. Accessed October 17, 2024. www.accc-cancer.org/docs/projects/bladder-cancer-care.pdf 2. Hoffman-Censits J, et al. Am Soc Clin Oncol Educ Book. 2021;41:e174-e181. 3. Zhu S, Zhao H. Front Pharmacol. 2024;14:1326627. doi:10.3389/fphar.2023.1326627 4. Zhang Y. J Environ Sci Health C Environ Carcinog Ecotoxicol Rev. 2013;31(4):287-304. 5. Ark JT, et al. J Irol. 2017;198(5):1033-1038. 6. Doshi B, et al. Oncogenesis. 2023;12(1):44. 7. Han DS, et al. Urology. 2018;122:83-88. 8. SEER Cancer Statistics Explorer Network. Accessed September 19, 2024. https://seer.cancer.gov/statistics=71&data type=4&graph type=5&compareBy=sex&chk sex 3=3&chk sex 2=2&series=9&race=1&age range=1&stage=101&advopt precision=1&hdn view=1&advopt show





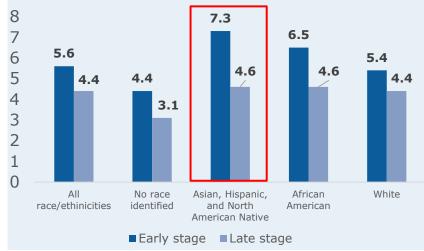
Race and Ethnicity

Diagnosis

Underrepresented patient demographics have a diagnostic delay

 African American, Asian, Hispanic, and North American Native patients are diagnosed later than White patients

Average Time From Hematuria Diagnosis to Bladder Cancer Diagnosis (30-Day Months) by Race/Ethnicity



Treatment

African American patients are less likely to receive guideline-based treatment

 African Americans have 21% lower odds of receiving guideline-based treatment compared to White or Hispanic patients

Average Days From Bladder Cancer Diagnosis to Initial Treatment



Outcomes

African Americans are more likely to die from bladder cancer than White patients

 African American patients are more likely to die from bladder cancer within 3 years of diagnosis



African American patients have up to 10% WOrse disease-specific survival than White patients





Access to Care



Academic centers more likely to offer optimal treatment options

Patients treated at academic medical centers were more likely to receive optimal treatment of neoadjuvant chemotherapy followed by chemoradiotherapy. This may be related to greater access to multidisciplinary care, facilities, and specialists required for chemoradiotherapy.¹



African American patients' care more likely to be managed in a community setting

African American patients are more likely to be treated at community hospitals (which may have resource gaps) than tertiary cancer centers and are less likely to receive guideline-recommended treatment.²



Rural areas or lower incomes experience more peri-operative challenges

Patients living in rural areas and of lower socioeconomic status are less likely to receive neoadjuvant chemotherapy and more likely to experience delays in surgery.²



Concerns with type of insurance

Patients with bladder cancer without insurance are especially likely to be distressed and anxious about practical concerns, such as the cost of treatment, transportation issues, time off from work, and an available support system for advanced treatment.²

Uninsured and Medicaid-insured patients are likely to experience delays in treatment longer than 90 days^{2,*}





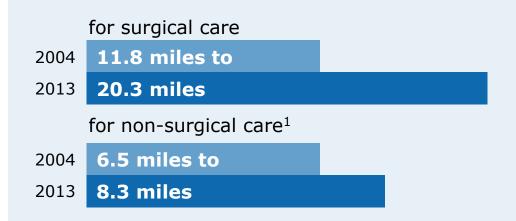
Access to Care (contd.)

Geographic reality of specialized health services affects suburban and rural patients

 Centers of Excellence are concentrated in urban areas, limiting access for patients living in suburban and rural areas¹

More people have to travel farther away to get the care they need

Median travel distance has increased from:



Majority of US counties without a urologist

 Clinical practice staffing issues affect quality of care to patients as many states experience shortages in the number of practicing urologists¹

Over **2000 counties (~61%)** in the US are without a urologist^{1,2}

Bias towards urologists as mostly relevant for male health

- Many women see urologists as "doctors for men" and prefer to see primary care providers or gynecologists for hematuria¹
- Primary care and gynecology providers often attribute hematuria to urinary tract infection in women and will treat with antibiotics without undergoing further workup¹





Clinical Trials



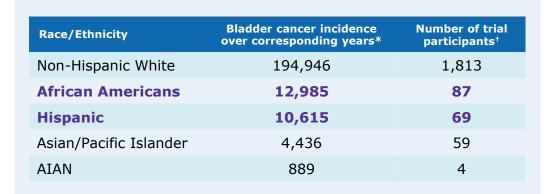
Clinical trials offer better outcomes for patient groups enrolled in the clinical trial compared to patients not enrolled in clinical trials.²

Clinical trial cohorts fall short in representing the "typical" bladder cancer patient

- Median age for bladder cancer diagnosis is 73 years.¹ While <25% of adults in clinical trials were of ≥ 70 years.²
- Patients enrolled in trials are generally fitter and have fewer comorbidities than average older adult in the general population and may not fully represent the concerns of all older adults²

Underrepresentation in clinical trials

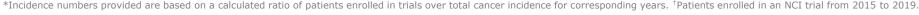
 Recent registrational trials for bladder cancer enrolled predominantly White patients.² African Americans and Hispanic patients were underrepresented in trials compared to Non-Hispanic White patients in the United States.³



Probability of clinical trial participation³













Efforts to Address Disparities



Efforts to Address Disparities

Clinical Trials

Efforts to address these disparities by stakeholders¹⁻³



- Project Equity aims to ensure that data submitted for approval of oncology medicinal products is generated in a study population that is representative of the demographics of patients for whom medicinal products are intended.¹
- Food and Drug Omnibus Reform Act (FDORA) requires sponsors to submit diversity action plans in the early development. These will ensure that sponsors are thinking critically about the characteristics of the patient population they aim to treat when designing their clinical study.²

ASCO°

ASCO and ACCC jointly released resources³

- ASCO-ACCC Equity, Diversity and Inclusion Research Site Self-Assessment
- Just ASK™ Training Program





Efforts to Address Disparities in Cancer Care



Improving access to and coverage of health insurance¹



Grow patient navigator program¹



Building community trust and partnerships in health care systems¹



Access to tobacco cessation programs¹



Enhancing communication between providers and patients¹



Provide culturally and linguistically tailored programs focused on cancer awareness¹



Implementation of system changes that promote health equities²





Efforts to Address Disparities

Diversity, Equity, and Inclusion in Clinical Trials at EMD Serono

Our objective: To better reflect in our clinical trials and provide benefit to the diverse patient populations that are in need and would most likely use our drug(s) for treating their disease

An inclusive approach: Our focus includes, but is not limited to, age, sex, gender, gender identity, race, ethnicity, religion, and their intersections

Our commitment: To address key barriers and limitations negatively impacting the diversity, equity, and inclusion of minority populations in clinical trials with an end-to-end strategic mindset

Our 4 key pillars



Partner with healthcare providers who are diverse or provide care to diverse communities



Awareness and community outreach



Facilitate patient participation in clinical research



Protocol design and the use of real-world data



Thank you

