eQuantX
EMPOWERING DECISIONS

PATIENT JOURNEY MAPPING

Measuring Operational Inefficiencies on the Care Pathway in Cancer Patients

Oncology Expertise

CLIENT OBJECTIVE

One of the US-based, pioneer pharmaceutical company that specializes in the development and production of anti-cancer products, was looking for ways to optimize the care pathway to ensure timely and effective cancer treatment

They have identified that there are operational inefficiencies on the care pathway that can lead to delayed treatment and higher costs, so they asked eQuantX to help them measure these inefficiencies in a product-agnostic way and estimate future changes

The primary challenge faced by the client was the lack of visibility into the entire care pathway

"Patient journey mapping process involved identifying typical paths that cancer patients take when seeking diagnosis and treatment for their cancer, what are the key factors involved, common challenges faced during the treatment journey, time taken from initial symptoms to diagnosis, and from diagnosis to treatment initiation and others related questions"

KEY CHALLENGES

The overall objective of the study is to understand the key challenges faced by the cancer patients and provide the support in optimization of the care pathway to improve treatment outcomes for the cancer patients. Other challenges faced by patient to stay informed about new developments and best practices to get multidisciplinary and integrated care

1

Identifying areas of inefficiency and bottlenecks, with a comprehensive understanding of the patient journey

2

Identifying significant operational inefficiencies on the care pathway that were leading to delays in treatment initiation and follow-up care

3

Estimating the impact of these inefficiencies on treatment outcomes and costs

OUR APPROACH

Utilized mixed-methods approach to measure operational inefficiencies on the care pathway

- ✦ Conducted a comprehensive review of the literature on cancer care pathways and identified the key operational inefficiencies

- ✦ Conducted in-depth 60+ interviews with healthcare professionals, including oncologists, nurses, and administrators (in key markets- US, EU5, China and Japan), to gain insights into their experiences with the care pathway

Using collected datasets, developed a process map of the care pathway and identified the key operational inefficiencies

Used data from the client's electronic health records system (which was provided by the client) to estimate the impact of these inefficiencies on treatment outcomes and costs

Used Regression analysis and survival analysis as a statistical techniques to analyze EHR data and measured the impact of operational inefficiencies in cancer care pathways

Data analyzed using a regression model that takes into account the relevant independent variables, such as patient demographics, cancer stage, and treatment regimens

Survival analysis used to analyze time-to-event data, such as the time until a patient experiences a certain outcome, such as disease recurrence or death, which is used to estimate the impact of operational inefficiencies on patient survival or time-to-event outcomes

PMR Insights, Key Stakeholders
- ✦ Radiation Oncologists: 12
- ✦ Surgical Oncologists: 12
- ✦ Medical Oncologists: 12
- ✦ Nurses and Administrators: 14

Scope Markets, US, EU5, China and Japan

RESULTS ACHIEVED

➢ Our analysis revealed that there were significant operational inefficiencies on the care pathway that were leading to delays in treatment initiation and follow-up care. These delays were resulting in higher costs and poorer treatment outcomes for patients

➢ We were able to identify key inefficiencies and estimate the impact of these inefficiencies on treatment outcomes and costs. Our findings were used by our client to optimize the care pathway and improve treatment outcomes for patients

➢ By addressing these operational inefficiencies, our client was able to improve the overall quality of cancer care and reduce costs associated with delayed treatment and follow-up care

➢ Spoken about investing in innovative technologies to enhance patient care and outcomes, emphasizing to focus on promoting patient-centered care

LEARN MORE

Learn more about our transformative approach and global impact on our website,

www.equantx.com

About eQuantX

Our extensive service offerings span a spectrum of capabilities, including providing support to global pharma companies in competitive intelligence, market access, pricing and reimbursement support, asset valuation and forecasting, data analytics support, patient analytics, HEOR support, and real-world evidence generation support. We are the valued partner and consulting service providers to life science companies preparing for the future healthcare.

📞 088605 42603   🌐 www.equantx.com

📍 B2-1050, Spaze i-Tech Park, Sohna Rd, Gurugram, India, 122002