

# COLLECTING PATIENT EXPERIENCE DATA: HOW YOU CAN BEST HELP FDA?

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VIEWPOINT

Consortium,4 the nution's first public private partner

Engaging Patients Across the Spectrum of Medical Product Development JAMA View From the US Food and Drug Administration

## Engaging Patients Across the Spectrum of Medical Product Development View From the US Food and Drug Administration

### The complex tasks of developing, evaluating, and de Medical Device Programs What L Hamford Produ termining the appropriate use of medical technologies The FDA is a member of the Medical Device Innovation adological Health occur in an evolving ecosystem of diverse stakeholders. However, as new medical therapies and diagnos- ship focused on medical device regulatory science. This

tics are designed and tested, the preferences and views consortium worked to catalog methods for eliciting Sheer Spring Manufand of the patients and care partners who are most directly patient preferences and to develop a framework that affected by these treatments are all too often over-O'Callaghan BSE looked individual patients often experience different afriter for Devices and fects of diseases and may have unique preferences about medical devices for regulatory and other purposes. The addressed linearty US Food and Drug treatments or diagnostic procedures that differ from FDA, through the Center for Devices and Fadoological those of other patients or of their physicians or other Health (CDRH) and the Center for Biologics Evaluation Giver String Maryland health care practitioners, they may also have differing and Research, simultaneously posted a draft gadance views about what kinds and degrees of risk are toler- that provides background information, structure for

able. As patients weigh the balance of benefits and risks, incorporating patient preferences idefeed as qualita-Office of Medical their decisions are informed by their experiences, back- tive or quantitative assessments of the relative desi-S Food and Drug grounds, and personal circumstances. In addition, pa-ability or acceptability of attributes that differ among Silver Spring, Maryland

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cisions about their care.

tients are no longer passive recipients of care, instead, alternative diagnostic or therapeutic strategies) into they are empowered consumers of medical products and regulatory decision making, and advice regarding colpartners in the process by which those products are de-lection and use of patient preference information for veloped. Patients increasingly act as advocates for new manufacturem and other stakeholders to support cer preferences of patients and care partners.

## New Roles for Patients and Care Partners The recent ensemble of a health care system marked by

major structural changes and new technologies and coming medical care. Perhaps the greatest change to accomery phase of medical product development. Patient ab will help ensure that broad, diverse perspectives on vocacy groups<sup>2</sup> are increasingly empowered to partici- the needs and experiences of patients inform the pate in this process, and social media offer means for FDA's deliberations. The PEAC will advise the FDA directly engaging patients to elicit input and preferences. commissioner on complex issues relating to the regu

treatments, and many are fully engaged in making de-tain medical device approvals.<sup>4</sup> This proposed approach stems from the FDA's guidance on benefit-Programs recently exacted at the US Food and Drug risk determinations for device approvals, which Administration (FDA) arefocuted on including patient per-describes patient tolerance for risk and perspective on spectives throughout the continuum of medical product benefit as an explicit factor the agency may consider in development.<sup>1</sup> In this Viewpoint, we describe ongoing afforts at several FDA centers and offer views on a concep- with behavioral economists to test a method for cap tual framework within the context of the Precision Medi-turing patient sentiment, and to translate it into a rive initiative that could lead to improve the althby more decision aid tool for incorporating patient preferences effectively matching medical products to the needs and into cirical trial designs for obesity treatments. Shortly thereafter the FDA approved a new weight loss device informed in part by data from this study, the first such device to be approved since 2007 Partnering Directly with Paberits munication channels is offering opportunities for improv. The recently formed Patient Engagement Advisory Committee (PEAC) is an example of the FDA's commit pany this new ecosystem may be the widespread ment to partnering directly with patients. By including involvement of patients, families, and care partners in ev-

Asthese developments influence the health care enterprise, the FDA seeks to directly involve patients tunities to partner with patients to meet their needs throughout the lifecycle of medical product develop- and support FDA's public health constituent across ment. Although patients today have a greater say in which multiple topics.

## FDA regulated products are included in their own care. these new approaches will help to ensure that patient per- Drugs and Biologics spectives also have an effect on which medical products in 2012, the FDA established the Patient-Focused Drug

are developed and cleared or approved for the market.<sup>3</sup> Development (PEDD) initiative to gain a broader range

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"... the FDA is working to give patients a greater voice in medical product development and evaluation.

Success in these efforts could lead to tremendous advances in the understanding of health, disease, diagnosis, treatment, and recovery, ultimately transforming patients' experience of health care by enabling physicians to tailor care to an individual's specific needs and preferences.

Including clinical outcomes that are *meaningful to patients* can profoundly influence drug development by ensuring the patient voice is captured."

Hunter NL, O'Callaghan KM, Califf RM. JAMA 2015

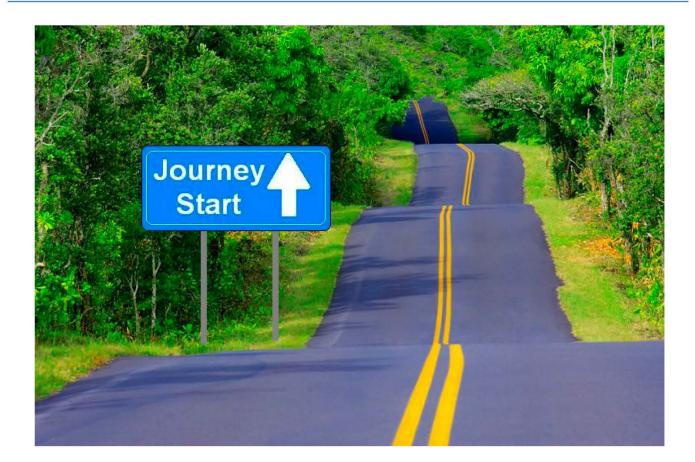
## Our Ultimate Purpose: Understand Patients' Perspectives on Benefits and Risks



- Clinical benefit: A positive clinically meaningful effect of an intervention, i.e., a positive effect on how an individual feels, functions, or survives
  - How long a patient lives
  - How a patient feels or functions in daily life (includes both improvement as well as prevention/slowing decline)
- Clinical outcome: An outcome that describes or reflects how an individual feels, functions or survives
  - Assessed using clinical outcome assessments (COAs)
- Careful assessment of patients' views on benefits and risks are an important part of regulatory decision-making

## **Patient Experience**





- Data that are collected by any persons and are intended to provide information about patients' experiences with a disease or condition
- Includes the experiences, perspectives, needs and priorities of patients related to (but not limited to)
  - Symptoms of their condition and its natural history
  - Impact of the conditions on their functioning and quality of life
  - Experience with treatments
  - Input on which outcomes are important to them
  - Patient preferences for outcomes and treatments
  - Relative importance of any issue as defined by patients

Source: Title III, Section 3002(c) of the 21st Century Cures Act

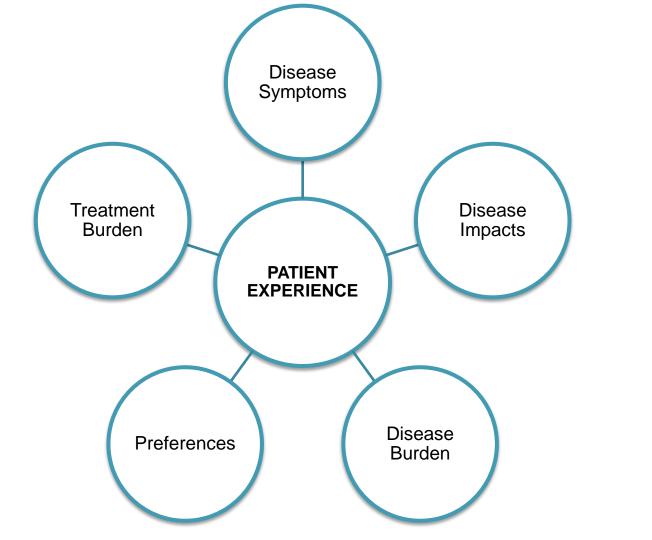
## Where Does Patient Experience Data Come From?



• The patient's journey should be defined from the patient perspective (where possible) informed by input from patient partners and clinicians

## **Patient Partners**

- A patient is any individual with or at risk of a specific health condition, whether or not they currently receive any therapy to prevent or treat that condition. Patients are the individuals who directly experience the benefits and harms associated with medical products.
- A caregiver is a person who helps a patient with daily activities, health care, or any other activities that the patient is unable to perform himself/herself due to illness or disability. This person may or may not have decision-making authority for the patient and is not the patient's healthcare provider.
- A **patient advocate** is an individual or group of individuals, who may or may not be part of the target patient population, who has a role in promoting an interest or cause to influence policy with respect to patients' health or healthcare.



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## **How Do You Collect Patient Experience Data?**

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	Qualitative Methods	Quantitative Methods	Mixed Methods
Method	Uses direct communication to explore or confirm the meaning of interpretation of a topic from the participant's perspective	Uses a tool (survey or questionnaire) that provides numerical information	Uses both qualitative and quantitative data and approaches in an integrated manner in the same study or a set of related studies
Scientific Question*	What aspects of disease are important to patients for measurement and reporting of clinical trial results?	How do we design a questionnaire measuring aspects of disease?	Do we measure symptom severity or frequency?

## Why Is It Important To Collect Patient Experience Data?



- Patients are experts in their own experience of their disease or condition and the ultimate consumers of medical products
- Patient experience data can inform medical product development and enhance regulatory decision making to address patients' needs

## When Do You Collect Patient Experience Data?





- Before and throughout the medical product development process
- Precompetitive collaboration is encouraged!



## Who Can Collect & Submit Patient Experience Data?

- Anyone can collect and submit patient experience data, including
  - Patients
  - Family members and caregivers of patients
  - Patient advocacy organizations
  - Disease research foundations
  - Researchers
  - Drug manufacturers



## How Can External Stakeholders Submit Patient Experience Data To FDA?

- Various pathways exist
- FDA guidance on how to submit patient experience data is under development
- Depending on the purpose and type of data, different content and formats may be appropriate





## How Is Patient Experience Data Used For Regulatory Purposes?

- Patient experience data is used to inform
  - Clinical trial design
  - Trial endpoint development and selection
  - Regulatory reviews including benefit-risk assessments



## Summary



- Patient engagement is critical throughout the medical product development process.
- You can best help FDA by using scientifically sound methods to collect robust, meaningful, sufficiently representative patient input to inform medical product development and regulatory decision making.

