

Patient-Reported Outcomes in Oncology Trials

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February 29, 2024

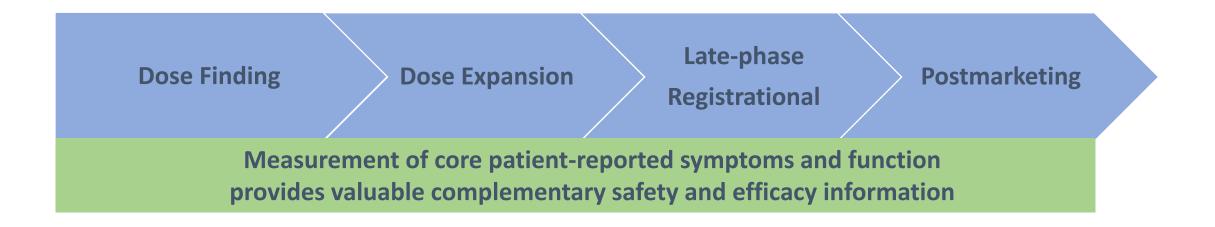


Disclosures

No disclosures

Content of this presentation represents current thinking and is subject to modification

Inclusion of Patient-Reported Outcomes During Oncology Product Development



FDA's Patient-Focused Drug Development Initiative



- Patients are uniquely positioned to inform understanding of the therapeutic context for drug development and evaluation
 - There is a need for more systematic ways of gathering patient perspective on their condition and treatment options
- Patient-Focused Drug Development (PFDD) is part of FDA commitments under PDUFA V and VI*
- 21st Century Cures includes important language about PFDD

Core PRO Outcomes

Overall Survival Progression Free Survival Disease **Overall Response Rate** Physical **Symptoms** Role **Serum Biomarkers Function: Function: Ability to CTCAE** Safety Data **Ability to Symptomatic Carry Out Dose Modifications** Work and **Adverse** Activities Perform **Events** that Require Leisure Physical **Hospitalizations Activities** Effort **Overall Side ED** Visits **Effect Impact Morbid Procedures Supportive Care Use**



Clinician Reported and Biomarker Data



Patient Generated Data

Classified as public by the European Medicines Agency



Example Assessment Frequency

	Early treatment period												Continued Tx		
	BL	w2	w3	w4	w5	w6	w7	w8	M3	M4	M5	M6	M9	M12*	
Symptomatic AE	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Single Item Side Effect Global	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Physical Function	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Role Function	Х		Х		Х		Х		Х	Х	Х	Х	Х	Х	
Disease Symptoms	Х				Х				Х			Х		Х	
Other HRQOL	Х								Х			Х		Х	

*Assessments at further timepoints would be context dependent

Additional relevant items outside of the Core Outcomes may be necessary depending on context



What is the PRO Trial Objective?

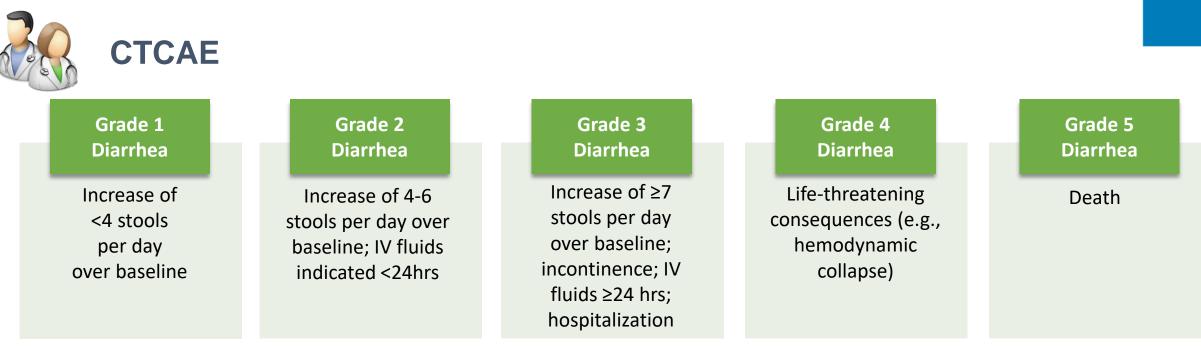
- What is your PRO Trial Objective?
 - Describe the patient experience on treatment?
 - Inform Safety / Tolerability?
 - Inform Efficacy?
- What is your U.S. regulatory goal for the PRO data?
 - Supportive data for overall benefit:risk assessment?
 - Descriptive patient experience data in product label?
 - Make a claim of treatment benefit in product label?
 - Substantial evidence of efficacy or improved safety

Using PROs for Safety/Tolerability

2013 Crizotinib Visual Symptoms- VSAQ-ALK

"The majority of patients on the XALKORI arm in Study 1 (> 50%) reported visual disturbances; these visual disturbances occurred at a frequency of 4-7 days each week, lasted up to 1 minute, and had mild or no impact (scores 0 to 3 out of a maximum score of 10) on daily activities as captured in a patient questionnaire."

PRO-CTCAE is not CTCAE





In the last 7 days, how OFTEN did you have LOOSE OR WATERY STOOLS (diarrhea)?

o Never

o Rarely

Occasionally

o Frequently

o Almost constantly

Individual Toxicity versus Overall Side Effect Measure



- Drugs cause many symptomatic side effects (e.g., rash, diarrhea, neuropathy)
- How an individual "weighs" one over the other can differ
- Could an overall side effect measure be a useful summary metric?

Possible Options from Commonly Used Item Libraries Include:

- FACT GP5 Question: "I am bothered by the side effects of treatment"
- EORTC Q168: "To what extent have you been troubled with sideeffects from your treatment"



OCE Core Outcomes Guidance

Core Patient-Reported Outcomes in Cancer Clinical Trials Guidance for Industry

DRAFT GUIDANCE

This guidance document is being distributed for comment purposes only.

Comments and suggestions regarding this draft document should be submitted within 60 days of publication in the *Federal Register* of the notice announcing the availability of the draft guidance. Submit electronic comments to <u>https://www.regulations.gov</u>. Submit written comments to the Dockets Management Staff (HFA-305), Food and Drug Administration, 5630 Fishers Lane, Rm. 1061, Rockville, MD 20852. All comments should be identified with the docket number listed in the notice of availability that publishes in the *Federal Register*.

For questions regarding this draft document, contact (OCE) Vishal Bhatnagar at vishal bhatnagar@fda.hhs.gov, (CDER) Janice Kim at 301-796-9628, or (CBER) Office of Communication, Outreach and Development, 800-835-4709 or 240-402-8010.

> U.S. Department of Health and Human Services Food and Drug Administration Oncology Center of Excellence (OCE) Center for Drug Evaluation and Research (CDER) Center for Biologics Evaluation and Research (CBER)

> > June 2021 Clinical/Medical

https://www.fda.gov/regulatoryinformation/search-fda-guidancedocuments/core-patient-reportedoutcomes-cancer-clinical-trials

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Supporting a Patient-Centric Approach to Dose Optimization in Oncology: The Essential Role of Patient-Reported Outcomes (PROs)

Friends of Cancer Research Annual Meeting 2022

Introduction

Patient experience data (PED) in the context of drug regulation is a growing part of the totality of evidence to understand the safety and efficacy of a cancer therapeutic. PED intends to provide information about patients' experiences with a disease or condition.¹ One type of PED, patientreported outcomes (PROs), is a clinical outcome assessment based on information directly reported by the patient about the status of their own health condition. Patients are uniquely positioned to report their own quality of life, symptoms, and function, and several studies support that patients are a highly reliable reporting source of such information that adds value to the traditional clinician assessment.² For example, clinicians, including oncologists, may overestimate functional status and underestimate nations symptoms supporting the clinical and scientific

> https://friendsofcancerresearch.org/wp-content/uploads/Supporting_Patient-Centric_Approach_Dose_Optimization_Oncology-PROs.pdf



Summary

- Patient-reported outcomes and healthcare utilization can complement standard efficacy and safety measures
- PRO concepts should be well understood; instruments should be fit-for-purpose and well-defined
- Tolerability can be assessed in all oncology trials, including dose escalation and expansion
- Item libraries can be used to parsimoniously meet the respective needs of regulators, payors, and all stakeholders.
- Well-collected and meaningful PRO information should be communicated to patients, caregivers, and providers

Acknowledgements

Richard Pazdur

Paul Kluetz

Erica Horodniceanu

Meena Murugappan

OCE staff

CDER Office of Biostatistics

Office of the Commissioner – Patient Affairs Staff

CDER – Patient Focused Drug Development Staff

Patients, Caregivers, and Advocates who participate in FDA initiatives