# Are patients and the public getting the information they need to make informed treatment decisions?

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A.The importance of high quality medicines information for patients and the public

B. Study 1: Evaluating current regulated information sources for patients and the public

C. Study 2: Designing and testing better medicines information for patients

D. Policy developments and implications

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The importance of high-quality medicines information for the public

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Patient and consumers valuea...

"perception of risk is always proportional to the expected benefit of the medicine" b

High-quality written information from trustworthy and call

"informed choice requires transparency.

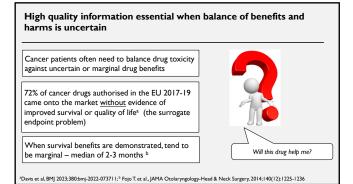
That entails transparency of what is known, as well as what is not known." c

Information about important clinical uncertainties and knowledge gaps

To supplement (not replace) verbal information from clinicians

"Coulter et al., 1999; Coulter et al., 2006; Grime et al., 2007; Raynor et al., 2007; Autorité de Santé, 2008; Hamrosi et al., 2013; van Dijk et al., 2014; Schneider et al., 2012; Treadgold et al., 2022; EthAl "Information on the Benefit-Risk of Medicines: Patients" and Consumers' and Healthcare Professionals' Expectations', 2009; European Patients Forum, 2017.

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Relevant, accurate and trustworthy information also important to counter prior misconceptions

Evidence suggests that cancer patients often overestimate drug benefits and misunderstand the goal of treatment<sup>a</sup>

Evidence that people tend to assume new treatments are underpinned by high quality evidence<sup>b</sup>

Medicines regulatory bodies, like the European Medicines Agency (EMA), are well placed to provide this information

Weeks et al., NEJN 2012;367(17):1616-1625;\*Schwarzz & Woloshin, Arch Int Med 2011;171-8, Sullivan et al. Druf Saf 2020;29:40

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Study 1: Evaluating regulated medicine information sources in the EU

Regulated sources of information in the EU European Public Summary of **Patient** Assessment Reports (EPARs) **Product** Information Leaflets Medicine Characteristics Overviews 'Package leaflets' Publicly available the most widely Lay summaries Aimed at available source of printed information on of the Public Assessment report on drug risks & benefits healthcare assessment reports professionals for all medicines granted a marketing authorisation Explains how to prescribe and use a medicine. Information on Available on EMA website drug risks and safe use Statutory product information

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# Current EU legislation does not require inclusion of information on drug benefits in regulated patient leaflets Relevant legislation does allow for inclusion of other information which is useful for the patient, consistent with the SmPC and non-promotional (Article 62 of Council Directive 2001/83/EC) EPAR summaries for the public ('Medicines Overviews') written by the EMA medical writers and include a section on the benefits shown in clinical studies.

Content analysis of information sources for 32 cancer indications authorized by the European Medicines Agency (EMA) 2017-19
 Evaluated frequency with which information about drug benefits, and benefit uncertainties, communicated to patients, consumers and clinicians

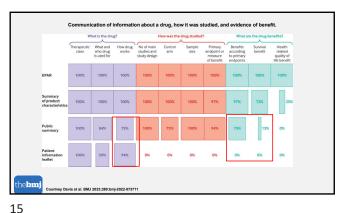
Davis et al. The British Medical Journal, 2023;380:1-13

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Compared information contained in the SmPCs, PLs and MOs with EPARs for 32 cancer indications (116 documents) European Public Summary of Product Characteristics **Patient** Information Leaflets Assessment Reports (EPARs) Overviews Public Aimed at healthcare professionals 'Package leaflets' for consumers and patients summaries of the EPARs, Publicly available scientific assessment reports available on the EMA website

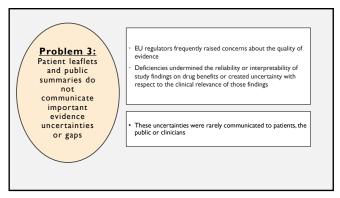
No patient leaflets contained information about the nature/magnitude benefits shown in clinical studies 97% of patient leaflets contained information about how the Problem 1: drug works (mechanism of action) Patient leaflet prioritises the least important Poll of around 30 patients, consumers, clinicians and topic experts types of benefit Most important category of information related to question "What difference did the drug make for patients in clinical studies?" (92% deemed this 'essential') information for patients Second most important category: "What is *not* known about the drug's benefits" (79% deemed this 'essential') Least important category of information was "How does the drug work?" (12% deemed this 'essential', 62% deemed this 'not important')

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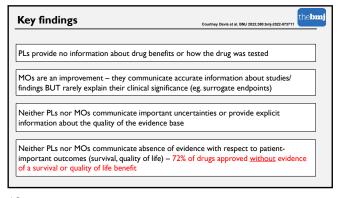
"[Drug X] inhibits a type of enzyme called tyrosine kinase and triggers the death of cancer cells in patients with alterations in genes for ALK" Without information about the drug benefits demonstrated in clinical studies, information about the drug's effects in the body Problem 2: Patient leaflets may be misleading and public summaries contain potentially Communication of findings based on surrogate endpoints likely to be misleading misleading information "Patients taking [Drug X] lived for longer without their disease Study involving nearly 900 US adults, showed that without an explicit disclosure people were more likely to interpret this as meaning people lived longer.<sup>2</sup> Sullivan et al., The Oncologist 2023; 5;28(7):e542-e55

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Study 2: Designing and testing better medicines information

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## Recent efforts to improve PL in the EU

- June 2023 EMA working group established to improve the SmPC and PL, and consider inclusion of a  $\underline{\text{Key Information section (KIS)}}$  with benefit information in the patient leaflet
- Study 2: Online randomized controlled trial involving representative sample of 2,000  $\,$ UK adults to evaluate the effect of including a key information section (KIS) in EU patient leaflets on individuals' expectations and attitudes towards new medicines
- April 2025 EMA launched a public survey seeking feedback on inclusion of a KIS in the patient leaflet no specific content or format proposed

### Communicating drug benefit information - things not to do

Do not equate drug benefit information with statements about the drug's mechanism of action, or generic descriptions about what the drug is expected to do ('this medicine reduces pain associated with arthritis')

Patients want qualitative and quantitative information on the actual benefits they might expect based on evidence from clinical studies

Do not report clinical study results without also explaining their clinical significance for patients (how might this affect the way a patient feels, functions, survives)

Patients want "meaningful explanations" of study endpoints

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# Communicating drug benefit information - things not to do

Do not include descriptions of surrogate endpoints that have not been properly user tested

Patients misunderstand commonly used terminology to describe some surrogate endpoints<sup>a</sup>

Do not include information about drug efficacy based on surrogate endpoints without an explicit statement about the relationship between the surrogate endpoint and the outcomes of interest (how a patient feels, functions, survives)

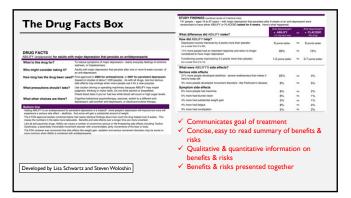
Without explicit disclosure ('We do not know whether drug x helps patients live longer') people overestimate drug benefits and misunderstand the goal of treatment<sup>b</sup>

al. The Oncologist 2020;25:1060-1066; Sullivan et al. The Oncologist 2023;28(7):e542-e553

# Drug facts boxes - things to do!

- 1. Drug Facts Boxes address patients' information needs by presenting qualitative and quantitative information about drug benefits, harms and uncertainties in a summary form
- Shown in large randomized trials in nationally representative populations to improve understanding and decision-making<sup>a</sup>
- Endorsed by independent, expert advisory committees in the US, UK and  $\,$ Canada<sup>b</sup>

\*Schwarz et al. Annah of internal medicine, 2009;15516-522/Wolozhin & Schwarz Annah of internal menam, according of Sciences I (1014/869-74)
\*FDA'S Risk Communication Advisory Committee, 2009;Council of Canadian Academies, 2015;UK Academy of Medical Sciences, 2017



Lunesta Study Findings

78th healthy skalls with incomera for all least 1 month—sleeping lies than 6.5 hours per regit und/or taking mone than 50 months for the find series.

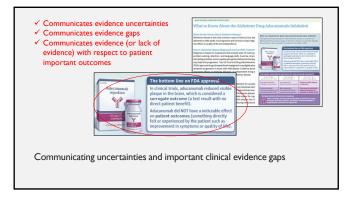
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What differences did NURSTA make?

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Experimental studies show that inclusion of explicit disclosures improved patient understanding and decision-making.

Non-directive explanations worked as well as directive ones.<sup>3</sup>

Content and format should be properly user-tested

\*Schwartz, L and Woloshin S. Arch. Intern. Med 2011;171(16):1463-48

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Preferences for speed of access versus certainty of the survival benefit of new cancer drugs: a discrete choice experiment

Findings Between July 7 and July 20, 2023, 998 eligible respondents completed the survey. 870 respondents (461 [53%] male, 406 [47%] female, and three [<15%] other) were included in the final analysis. Respondents showed strong preferences for high certainty of survival benefit (coefficient 2-61, 95% CI 2-23 to 2-99), and strong preferences against a 1-year delay in FDA approval time (coefficient 1-64, 95% CI -13 to 0-77). Given very tow certainty a drug would provide survival benefit (no evidence linking a surrogate endpoint to overall survival), respondents were willing to wait up to 21-68 months (95% CI 17-61 to 25-74) for high certainty (strong evidence) of survival benefit. A drug's effect on a surrogate endpoint had no significant impact on drug choices (coefficient 0-02, 95% CI -0-21 to 0-25).