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Spotlight on the Canadian Specialty Pharmaceutical Marke

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Getting up to speed on RWE

Will RWE be accepted for decision making about drug efficacy? CADTH's Dr. Nicole Mittmann on the power and potential of RWE



# RWE: Need to Know, Nice to Know

Many well-known terms have a particular meaning when applied to real-world evidence studies. To clear up any possible confusion, we've defined seven core concepts. For those interested in more depth and detail, we also recommend some key readings.

### 1. REAL-WORLD DATA<sup>1</sup>

Real-world data (RWD) refers to data on health outcomes that is collected from a variety of sources outside the clinical trial setting, such as health records, registries, and patient support programs.

### 2. REAL-WORLD EVIDENCE<sup>1,2</sup>

Real-world evidence (RWE) describes evidence about the appropriate use and potential benefits of a medical intervention, based on analysis of data generated in a real-world setting.

### 3. BIAS<sup>3,5</sup>

In RWE studies, bias refers to flaws in the design or execution of the study that may lead to a deviation from "true" or "accurate" results. Examples of bias include selection bias, which occurs when the study subjects don't represent the target population, and missing data. Another category of bias, called publication bias, occurs when the findings of a study affect the likelihood that the study will be published.

### NICE real-world evidence framework<sup>4</sup>

Publication date: June 2022

Why it is important: The document focuses on the methodology for appraising and implementing RWE in the pharmaceutical sector.

Of note: CADTH leveraged this document in the development of its RWE reporting guidance.

**INESSS State of Knowledge Report:** 

evidence to support decision making

integration of real-word data and

in the pharmaceutical sector<sup>9</sup>

Publication date: January 2022

# use RWE.

Of note: Shortly after the publication of this document. CADTH cited it in its HTA recommendation for nusinersen (SPINRAZA).10

RWE Definitions

### 4. DATA PROVENANCE<sup>4,6</sup>

The term denotes the process of tracing the source of the data and documenting how the data has been altered throughout its lifecycle. This process can help establish the trustworthiness and reliability of a data source. Considerations in data provenance also include data collection, coverage, and governance.

### 5. DATA **GOVERNANCE<sup>6</sup>**

Data governance comprises the policies and procedures used to ensure the data input is accurate and the data is appropriately stored, manipulated, accessed, and deleted.

### 6. TRUST<sup>4,7</sup>

As pertaining to data, trust (or trustworthiness) alludes to the overall integrity of the data, as well as the ability to validate it. The growing interest in RWD has created an urgency to develop processes that promote trust in the data.

### 7. TRANSPARENCY<sup>8</sup>

Transparency signifies open and accurate communication of RWE research processes (including research questions, data source, data provenance, methods, designs, endpoints, and analyses) throughout the course of an RWE investigation.

RWE Must-Reads

Why it is important: The document goes beyond research and provides guidance for RWE submissions, including when to

### **CADTH Canadian real-world evidence** reporting guidance<sup>11</sup>

Publication date: November 2022 (draft); final document to be published in spring 2023, following a consultation period ending in January 2023.

Why it is important: This highly anticipated pan-Canadian document, currently in draft form, highlights best practices and methodology for submitting RWE to regulatory and HTA bodies.

Of note: The question of when to generate RWE falls outside the scope of the document. CADTH plans to address this question in future guidance on the implementation and incorporation of RWE in decision making.



## Breaking the RWE Acceptability Barrier

# If real–world evidence is to shape healthcare decisions, it must tick several boxes.

Real-world evidence (RWE), while hardly a new idea, is on everyone's mind these days. As specialty treatments continue to increase in complexity, stakeholders are discovering how RWE can shape a novel medication's destiny. By filling evidence gaps, RWE can help get the right drug to the right patient at the right time – and optimize treatment. Most importantly, use of RWE can inform approval and reimbursement decisions, giving patients faster access to life-changing medications while rewarding manufacturers for creating value and ensuring that payers are supporting the most valuable and efficacious treatments. What's not to like? information and the quest for RWE as a valuable undertaking. As management guru Peter Drucker has famously said, "what gets measured gets managed."<sup>13</sup>

Why go to the trouble of generating RWE? By definition, RWE sheds light on how a medical intervention performs "in the field," as opposed to the more controlled conditions of a clinical trial. As noted by Dr. Mark Fendrick, a professor of internal medicine and health management at the University of Michigan, "the benefit of [real-world data] is embedded in its name. The data come from the real-world, where diverse people live, work and play."<sup>14</sup>

Exciting possibilities await RWE in this country. Canada has joined the global push toward RWE and policymakers agree on the need, though hesitation about when and how to use the data has stretched out the implementation timeline. A big priority, at this juncture, is data acceptability – ensuring decision makers trust the data enough to use it. We have alignment on what has to happen and are ready for lift-off.

### OUTLOOK AND OPPORTUNITIES

RWE ranks number one on the list of top health economics and outcomes research (HEOR) trends identified by ISPOR in 2022 – ahead of such major priorities as health value assessment, health equity, healthcare financing, and patient engagement – and continues to grow in importance.<sup>12</sup> By all accounts, the specialty pharmaceutical space views data from real-world studies as a meaningful source of

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Real-world data, by definition, come from the *real world*, where diverse people live, work and play.

Dr. Mark Fendrick, Professor, University of Michigan



RWE bridges the evidence gaps left by clinical trials, allowing us to answer such questions as: Is the medication working for the patients it is intended for? How is it performing in specific populations that may have been underrepresented (or absent) in clinical trials? Does it work better for some populations than others?

We've made good headway in using RWE to answer such questions, which helps clinicians better understand patient populations and optimize treatments. As an example of this application of RWE, consider the INFORM study, which evaluated the benefits of targeted multiple myeloma therapy in real-world Canadian patients, both as front-line and maintenance treatment.<sup>15</sup> In the study, patients who received novel agents such as **REVLIMID** were significantly less likely to die within a year compared to those treated before these agents entered the market. According to Tara Cowling of Medlior, which conducted the study, "There were some differences

noted between real-world practice and clinical trials/treatment guidelines, particularly in the use of maintenance monotherapy."15

RWE can go still further. Used to its full potential, it can help establish efficacy and value to HTA assessors and payers. This holds especially true for the growing number of novel therapies, often within precision oncology or rare diseases, that show great promise but have limited data from clinical trials. These data gaps stretch out the time to access, leaving patients in limbo as they wait for medications that could change their lives. Payers and HTA assessors around the world are seeing value in leveraging RWE to support decision making, which in turn helps the timeliness of such reimbursement decisions.

In the UK, for example, Managed Access Agreements (MAAs) enable time-limited access to promising new treatments that would otherwise not be recommended for routine use. The RWD collected through the MAAs helps establish the value of the treatments. Since the launch of the first MAA, the National Institute for Health and Care Excellence (NICE) has reevaluated 22 medications after a period of managed access, 20 of them cancer drugs. The mechanism works: 19 of the 22 medications received approval for routine use following the MAA period.<sup>16</sup> This high success rate led NICE to conclude that "managed access is [now] an established mechanism in England for early patient access to promising new treatments, where significant evidential uncertainty remains."

In Canada, RWE hasn't reached this level of integration into HTA. The data itself is out there: from health claims. hospitals, administrative databanks, patient registries, and patient support programs (PSPs), among other sources. What's missing is the consistent use of the data to support regulatory, HTA recommendations, and listing decisions. So where's the bottleneck?

A lot has to do with concerns about the quality of the data. To this end, ISPOR has identified some key RWE characteristics that can make or break stakeholders' confidence in the data.14 These include:

- Source: How reliable and robust is the source of the data?
- · Approach: What was the purpose of collecting the RWE? Was the research design and process transparently communicated?
- Analysis: Did the statistical methods suit the investigation and were they properly applied?
- Reproducibility: Can the results of the study be replicated?

Canadian HTA assessors and payers, for their part, have identified trust and bias as key barriers to RWE adoption.<sup>17</sup> Reviewers are more likely to trust data that can be audited and validated. They also need the assurance the data hasn't been cherry picked. Under the bias umbrella, selection bias ranks as a top concern: the study population must reflect the target population for the drug.

The hurdles don't stop there. Lack of relevance, completeness, or sufficient time span of the data can also weaken an RWE submission. In its recent recommendation against reimbursing SPINRAZA for adult spinal muscular atrophy, CADTH took issue with the short period (months) for measuring RWE outcomes, which they deemed insufficient for a lifelong disease.<sup>10</sup> Citing the NICE RWE framework document in its rationale, the recommendation also noted that the submission "had large amounts of missing data, [which] may not be missing at random but possibly due to lack of efficacy."

Bottom line: guality comes first. If the data doesn't meet quality standards, efforts to shape it into acceptable RWE will stall.

### IN PROGRESS

Such challenges have not prevented Canadian researchers and other stakeholders from moving the RWE agenda forward, with inspiring guidance documents and initiatives under way throughout the country. After formalizing a life-sciences strategy that incorporates RWE a few years ago, Quebec reaffirmed its commitment to the strategy in a 2022 paper called "Using our Ingenuity to Promote Health."<sup>18</sup> The document asserts that RWE can help demonstrate a treatment's value and that "the evidence obtained can guide the decisions of healthcare administrators and reimbursement agencies." As a testament to this position, in May 2022 INESSS issued a positive recommendation for the CAR-T cell therapy BREYANZI, which targets large B-cell lymphoma, on the condition of RWE generation.<sup>19</sup>

Echoing INESSS's forward march, CADTH has expanded its scientific advice program to allow pharmaceutical companies to request advice on RWE generation.<sup>22</sup> CADTH's new post-market drug evaluation program,<sup>23</sup> meanwhile, brings together a network of experts (called CoLab) to supply RWE to submission reviewers. Along similar lines, CIHI's

RWE in Canada took an especially significant step forward in November 2022, when CADTH released the draft of its RWE guidance document.<sup>11</sup> The much-anticipated document outlines best practices for RWE submissions and helps demystify what regulators and HTA bodies are looking for in these submissions. Principles covered by the document include how to evaluate data sources, how to eliminate bias, and how to communicate study protocols transparently. A 92-item checklist advises submitters on what to report and what limitations to address, including potential sources of bias. Following a stakeholder consultation period, CADTH expects to release the final document in the spring of 2023.

Overall, the real-world performance of the EGFR-TKI agents paralleled the results seen in most clinical studies. The RWE investigation confirmed that "EGFR-TKI should be offered to all eligible patients, based on the approved indications." The study also revealed that it took approximately 5 years to fully integrate EGFR-TKI into Quebec practice, prompting INESSS to call out the need to promote education about new therapies to enable faster uptake. By illustrating the power of RWE to establish value and identify access gaps, this study can serve as a model for using RWE to improve access and care.

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CanREValue framework lays out parameters for generating and using actionable RWE for cancer drugs.<sup>24</sup> Within the hospital sector, Hamilton Health Sciences has partnered with data technology firm Pentavere to help translate unstructured clinical data on breast cancer patients into RWE that can guide clinical decisions - one of many examples of the creative energy being invested in RWE.<sup>25</sup>

### RWE Exhibit A: INESSS Lung Cancer Study

INESSS put its RWE strategy to the test in an exploration of administrative clinical data as a vehicle for evaluating epidermal growth factor receptor (EGFR) tyrosine kinase inhibitors (TKI) in the treatment of lung cancer in Quebec.<sup>20</sup> Data sets in the study included drugs dispensed, lab results, and lines of therapy, among others. Investigators used the data to estimate the overall survival of patients receiving EGFR-TKI therapy and compare the figure to outcomes reported in published studies.

It should be noted that initiatives of this type only became achievable since 2016, when INESSS gained access to anonymized patient data from other provincial databases and began assigning a unique identifier number to each patient. As Michèle de Guise, president and general manager of INESSS, explains, "it means we don't just leverage data from the literature, but can see how new technologies play out in the Quebec context."21



### RWE Exhibit B: CADTH patient registry analysis

Patient registries can shed light on the epidemiology of a disease, its impact, and its prognosis as new treatments become available, thus playing a key role in the RWE ecosystem. CADTH has been looking closely at Canadian rare disease registries as sources of RWD. One of these is the Canadian Bleeding Disorders Registry (CBDR), owned and operated by the Association of Hemophilia Clinic Directors of Canada and hosted at McMaster University. A national database created to support best practices, individualized treatment, and engagement of Canadian patients with bleeding disorders, the registry integrates data collected from various sources, including the Canadian bleeding disorders community.<sup>26</sup>

In its review of the CBDR, CADTH described the registry as "secure, centralized, encrypted" and identified formal processes to enable the collection of both clinical and patient-reported outcomes.<sup>26</sup> There's room to expand on these capabilities by collecting data that has the robustness to support decision making. This could help compensate for a key limitation of RWE – lack of comparators – and take registry RWE to the next level.

### Acceptability of RWE: An oncology case study

What makes RWE acceptable for decision making? Manufacturers are working hard to answer the question, as exemplified by this real-world study of lorlatinib. An oral medication developed by Pfizer, lorlatinib is used to treat a subset of patients with non small-cell lung cancer (NSCLC). To strengthen the evidence for the treatment, IQVIA Solutions, which conducted this RWE study, turned to the patient support program (PSP) associated with the medication. Analysis of the PSP data showed that lorlatinib vielded a meaningful increase in guality of life within 3 months, which patients largely maintained throughout the year-long data capture period.28

To gain insight into the acceptability of this evidence, study authors have outlined RWE-related questions for stakeholders such as CADTH, INESSS, provincial health ministries and departments, and patient groups to consider,28 including:

- Is the evidence useful?
- Is the data collection methodology sufficiently robust?
- · What applications can it be used for (for example, product listing agreements)?
- What are the limitations of the data?

### ACCEPTABLE OR NOT?

While CADTH's scientific advice program on RWE remains separate from its submission and review process, the RWE guidance document can help investigators improve the guality of their RWE studies. That said, certain parameters lie outside the document's current scope. As Mina Tadrous, a scientist at Women's College Hospital in Toronto and Lead of the Core Working Team for the RWE Guidance Working Group, explains in a webinar about the guidance,<sup>27</sup> "There won't be a point score, a way to say this data is acceptable and this is not." Also out of scope is "information on the weight given to RWE in decisions. This is going to vary." Most importantly, the guidance doesn't cover "when RWE should be, can be, and will be used."

These as-vet unanswered questions create a challenging scenario for manufacturers, who must decide whether to invest in RWE generation without knowing whether their efforts will move the access needle. Even if a submitter follows all the rules, including the 92-item checklist, reviewers may deem the evidence insufficiently robust or relevant.17

Fortunately, stakeholders can look forward to more granular and targeted guidance on RWE generation from CADTH, as stated in the draft guidance document: "Future efforts can leverage these core reporting standards to provide guidance on how and when RWE can be used in HTA and regulatory decision-making."11

Guidance from successful initiatives and from experts in RWE acceptability can also point investigators in the right direction. As a start, the NICE real-world evidence framework lists a number of scenarios that call for evidence sources other than RCTs.<sup>4</sup> These include when:

- · Randomization is considered unethical, which can happen in therapeutic areas of high unmet need.
- Patients refuse allocation to one of the treatment arms.
- Healthcare professionals refuse to randomize patients to what they consider a less effective treatment arm.
- The low number of eligible patients precludes conducting an adequately powered RCT.

Investigators can also learn from each other by sharing their RWE research protocols and study outcomes. Dr. Winson Cheung, a professor of medicine at the University of Calgary and principal director of the Oncology Outcomes (O2) research program, proposes "a registry of all Canadian RWE studies that are being conducted, regardless of the RWE study outcome." In addition to facilitating learning exchange, such a registry would "reduce publication bias and thus increase transparency and credibility." In fact, Dr. Cheung and his O2 colleagues suggest that there would be significant value in creating "an online portal where RWE studies can be registered – something similar to the clinicaltrials.gov site, but for real-world investigations." Beyond Canada's

### A registry of Canadian RWE studies would help reduce publication bias and thus increase transparency and credibility.

Dr. Winson Cheung, Principal director, O2 research program

borders, ISPOR and a few partners have launched an RWE registry called the Real-World Evidence Transparency Initiative, hoping it will build trust that "[study] results can be used for decision-making purposes."29

### TRANSFORMING OUR DATA CULTURE

In an ideal world, investigators would not have to take guesses about RWE acceptability. Before conducting an RWE study, all stakeholders would discuss the evidence gaps and agree on a study protocol that fills them. While this level of collaboration won't happen overnight, decision makers' increasing engagement with RWE bodes well for the coming years.

The CADTH RWE guidance document has given RWE in Canada a big push forward, but implementation still stalls at the acceptability stage. To get the gears moving, pharmaceutical manufacturers could build on their efforts to address two major acceptability barriers - trust and bias - by systematically publishing study protocols and study results. Registering studies in RWE databases, a strategy recommended by ISPOR,<sup>30</sup> signals a commitment to such transparency.

RWE has to provide value not just to patients and HTA assessors, but also to industry and payers, and much work remains to be done in this area. Collaborative partnerships, multistakeholder engagement, and guidance on RWE submissions can move us toward this objective.<sup>31</sup> In an inspiring application of such collaboration, CADTH's pediatric low-grade glioma (pLGG) learning project has engaged 7 different stakeholder groups, including industry, payers, and patients, to find out which RWE elements provide the most useful information to decision makers.<sup>31</sup> Stakeholders agreed that RWD and RWE can "play a role in decision making by providing additional, complementary evidence" and that the data in Canadian registries such as POGONIS and CYP-C meets the quality standards to generate actionable RWE. Looking ahead, they envisioned that these registries could allow for the collection of prospective data – a currently untapped functionality.<sup>31</sup>

Where do we go from here? And how do we make bigger strides in the use of RWE for efficacy? We need to continue to transform the culture around RWE in Canada.

Changing a research culture requires both the vision to recognize the need and the support to facilitate the transition, as encapsulated in ISPOR's culture-building pyramid. In Canada, we have just begun our ascent. Having reached the "possible" stage, we can now turn our attention to streamlining the process and removing barriers - making it "easy."

### Changing a research culture: ISPOR<sup>30</sup>



The Canadian RWE ecosystem is rapidly maturing. As more and more stakeholders join the RWE journey, the new data culture will solidify and the barriers will fall away. We're on our way. Let's keep going.

### 20SENSE

### Bringing **Real-Wørld Evidence** to the Decision Table

### Dr. Nicole Mittmann recognizes the need for leadership in real-world evidence generation. CADTH is on it.

As CADTH's Chief Scientist and Vice-President of Scientific Evidence, Methodologies and Resources. Dr. Mittmann manages a diverse portfolio that ranges from scientific methods and health economics to scientific publishing and library information services. Under her direction. CADTH is currently finalizing a Canadian framework for real-world evidence (RWE) generation. In addition to her leadership role at CADTH, Dr. Mittmann holds dual faculty appointments at the University of Toronto. Her past positions include Chief Research Officer at Cancer Care Ontario and Executive Director at the Health Outcomes and Pharmacoeconomics Research Centre at Sunnybrook Hospital. Throughout her career, Dr. Mittmann has maintained a passionate belief in the power of data to inform good healthcare decisions. She explains more in this conversation with 20Sense

### How would you evaluate CADTH's ability to integrate RWE into health technology assessment today?

CADTH has been working steadily to evolve the process of incorporating RWE into our drug reimbursement reviews. Over the years, we have already considered non-randomized forms of evidence for drug utilization, health preference and

patient-reported outcomes. We have also trained our reviewers in areas related to the integration of RWE into our work. We have seen, and continue to see, an increasing interest among sponsors in taking advantage of the opportunities we have created. At the same time, evidence generated from non-randomized studies has methodological limitations and therefore cannot fully replace RCT data for evaluation of efficacy.

### What are the largest hurdles to overcome with RWE to support healthcare decision making?

A key challenge is how to evaluate a medication's performance without designs that randomize and control for variables, which are built into RCTs. With RWF, we can't fully demonstrate causality because external known and unknown factors can influence the outcome. With statistical analyses, such as matching, we can try to control for these factors or get closer to it. Also, all clinical trials have formal processes to handle informed consent

transparency of study protocols, and other important concerns. We need to ensure this is also happening with RWE studies.

### In November 2022, CADTH published a draft guidance document on the use of RWE, to be finalized following stakeholder consultation. What is the vision behind this document?

In Canada, as our capacity and expertise in generating RWE grows, so too does the need to standardize reporting for RWE studies that are submitted to inform regulatory and HTA decision-making. Our vision for the RWE Reporting Guidance is to begin laying down principles for robust study protocols and transparent reporting, building on work done by organizations such as the FDA, NICE, and the International Society for Pharmacoepidemiology. We're explaining requirements such as "list the comparator" and "provide an analysis plan" in greater detail, so submitters will have a better understanding of what we're looking for.

We can't fully demonstrate causality with RWE, though we can get close to it.

### Are there any plans for alignment between HTA bodies and Health Canada to determine how and when RWE can be used to inform decision making?

We thought it was important to include the regulatory perspective in the guidance document and we involved a number of people from Health Canada in the development process to ensure our principles are aligned. Regulators and HTA assessors have some common needs, but they serve different functions and may use the guidance in slightly different ways.

I will add that collaboration in the RWE space is essential to our progress. That's why CADTH and Health Canada are chairing the Real-World-Evidence Steering Committee, which also includes members from INESSS, the pCPA, CIHR, CIHI, industry groups, and other stakeholders.

### There is a lack of guidance for industry about when to generate RWE - a question that falls outside the scope of the current guidance document. What are your thoughts on the "when" question?

RWE is not necessarily appropriate for every scenario. Circumstances that may warrant the generation of RWE include RCTs with a high level of uncertainty about the studied medication's effectiveness and safety. We also need to know if high-quality RWE data is even available to answer research questions. In many cases, the first step of obtaining the data requires significant collaboration between different organizations, data holders, and stakeholders.

### Do you have any recommendations to help industry tailor their RWE studies and submissions to CADTH's needs?

I think the draft RWE reporting guidance is an excellent place to start. It lavs out key principles and offers insight on a range of issues, from data governance and study design through to data sources, statistical methods, interpretation, and limitations. Transparency in governance, structure and design are paramount. Watch for and address information gaps: telling us what is missing improves the quality and, most importantly, the transparency of the submission.

### At present, how willing are reviewers to use RWE as an input in a drug reimbursement review?

There's always a willingness to look at RWE, if you can describe it in a robust and transparent way. We already look at drug utilization health preference values, and patient input, meaning real patient experiences. These are forms of RWE.

### How has industry performed in terms of **RWE submissions to CADTH or other** organizations?

The pharmaceutical industry has been using RWE for decades and has developed strong

### What are your thoughts about the potential to integrate CADTH's Scientific Advice program with the drug reimbursement review process?

We see the value of connecting the advice and review areas. It will allow us to dialogue with manufacturers and sponsors about the best approaches to generating RWF. We're currently exploring different ways to carry knowledge throughout the life cycle of a medical technology

### Do you engage HTA bodies from other countries in discussions about RWE?

One of the aspects of this work I'm most excited about is the level of international cooperation that is happening across regulatory and HTA spaces. Last October, CADTH hosted a panel to talk about global collaborations to optimize the use of RWE in decisionmaking, and I really encourage your readers to watch it. CADTH is also fortunate to count a number of global experts as members of our Real-World Evidence and Real-World Data Guidance working group, which oversaw the development of our RWE reporting guidance document.

CADTH is in a similar position to many other international agencies in terms of learning

Watch for and address information gaps. Telling us what is missing improves the quality and, most importantly, the transparency of the submission.

expertise in how they employ it. Within the industry, there are different approaches to using RWE, and not all the studies we look at are suitable to inform decision making. CADTH is trying to help bridge this gap through our RWE reporting guidance document and by including industry representatives in the RWE Steering Committee. We know that industry is looking for guidance and we are taking steps to better understand their needs.

Our scientific advice program is a distinct, voluntary, non-binding and confidential fee-forservice consultation that provides pharmaceutical companies with advice on their early drug development plans from a Canadian HTA perspective. In 2022 we expanded the program for a 1-year learning period, ending in March 2023, to invite applications for RWE generation plans after protocols for pivotal trials have been finalized.

and considering potential approaches. We're aiming to harmonize our processes, as it would be a shame for one country to collect a certain type of data and not another. These are important discussions that will continue throughout 2023, as we work toward information sharing, consensus building, and the arguably more difficult step of implementation.

### Do you think of registries as sources of RWE?

The term "registry" is broad. We have grantfunded, industry-funded, government-funded, and patient/donor-funded registries. We're now having much-needed conversations with registry communities to discuss minimum quality standards for the use of registries. We see high-quality registries as a powerful tool that can help us better understand the course of a disease, collect clinical outcomes, and observe potential treatment outcomes and harms, along with capturing the real-world benefits of a new product

### What is the opportunity for patient support programs (PSPs) to serve as real-world data sources in Canada?

PSPs are definitely on our radar. We're having a lot of discussion around them. We also understand the potential bias in using a data source developed and funded by industry. There is the potential to use processes to get past this type of challenge, such as independent analyses to ensure the reliability of the data. Overall, we're receptive to using PSPs as one source of data among others, as long as the data meets the quality standards described in our guidance document.

### Anything else you would like to say to industry or other stakeholders about RWE?

First and foremost, I would like to thank our stakeholders in industry and across the life sciences sector for their continued desire to sit at our table. Throughout the development of the RWE reporting guidance, we had many meetings and productive conversations that brought real value to our process, and I know that cooperation will continue.

The primary task ahead of us is to continue fostering collaboration and transparency We're excited to engage with industry stakeholders, patient stakeholders, and all stakeholders involved in the regulatory and HTA process on the next phase of the RWE journey.



# On the reading *list*

Unlocking the promise of real-world evidence

Real-world evidence's evolution into a true end-to-end capability

Can we use existing guidance to support the development of robust real-world evidence for health technology assessment/payer decision-making?

Realizing RWE's potential: Reproducibility, transparency and the future of RWD analyses

What goes in must come out: An analysis of NICE recommendations for drugs exiting managed (early) access in England

<u>Mapping Canadian data assets to generate real-world evidence: Lessons learned from Canadian</u> <u>Real-World Evidence for Value of Cancer Drugs (CanREValue) collaboration's RWE data working group</u>

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Spotlight on the Canadian Specialty Pharmaceutical Market

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