

HOW DRUGS COME TO CANADA

STEPS IN DRUG APPROVAL
AND FUNDING

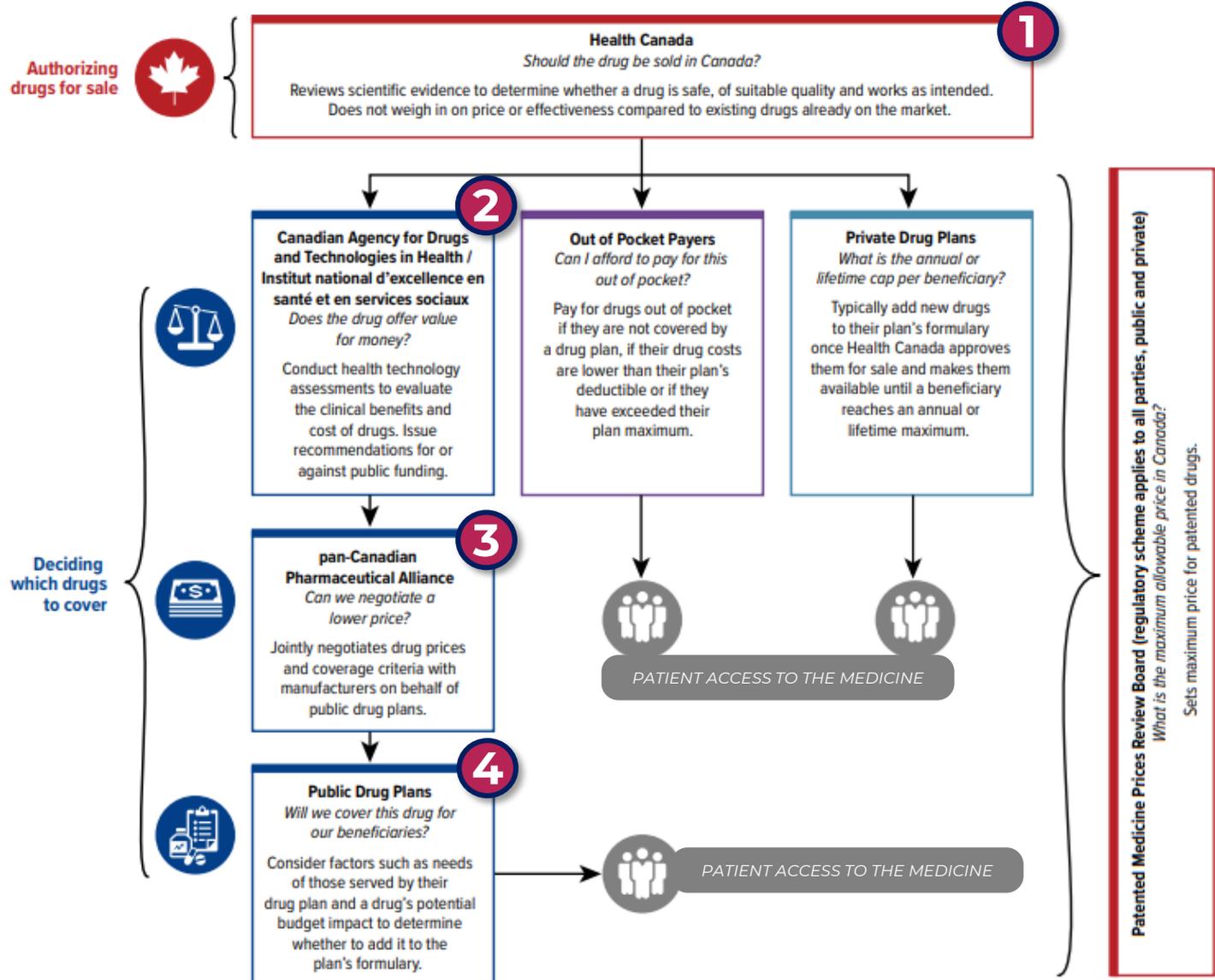
NF Symposium Presentation
October 29th, 2022

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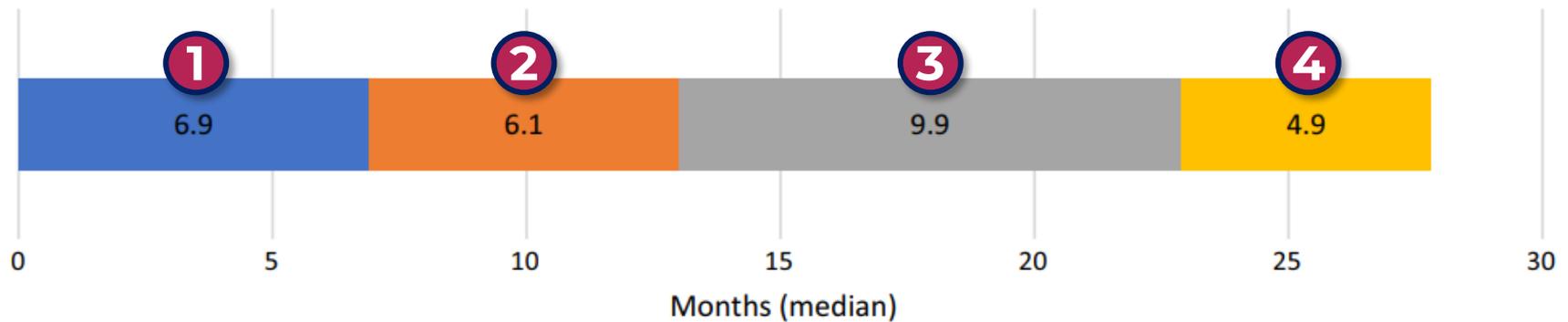
Drug approval, review, and public funding in Canada is a **complex and multi-stakeholder process**.

Public payer funding decisions are made only after regulatory approval and HTA review

Private payers conduct their own separate reviews / negotiations



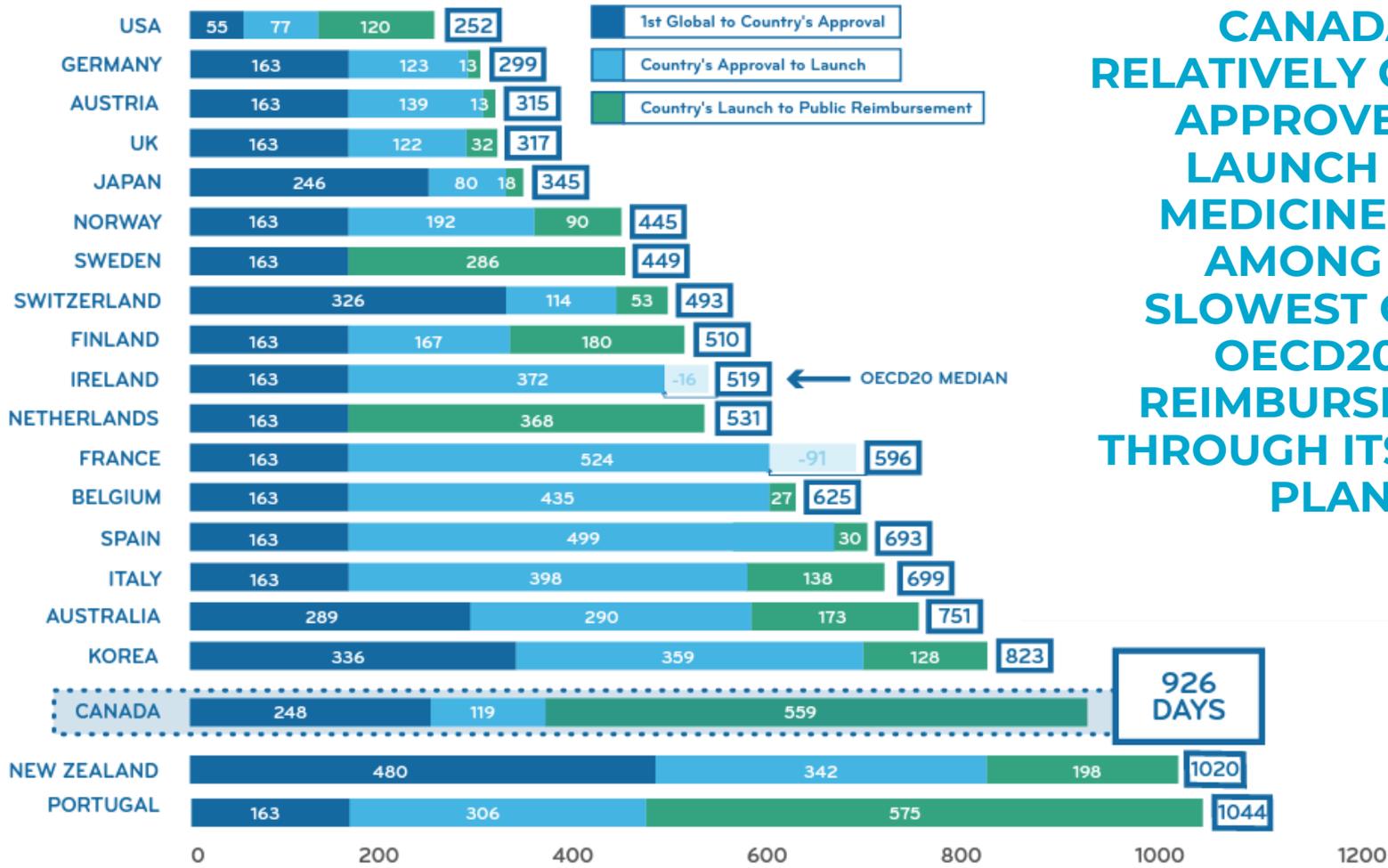
Considering the large number of stakeholders and steps before a drug is funded and reaches patients, the time to public drug listing can be quite long.



- Health Canada Initiation to Health Canada Approval
- Health Canada Approval to CADTH Recommendation
- CADTH Recommendation to pCPA agreement
- Average median time from pCPA agreement to provincial listing*

Source: Ward, Leanne Marie, et al. "An international comparative analysis of public reimbursement of orphan drugs in Canadian provinces compared to European countries." Orphanet journal of rare diseases 17.1 (2022): 1-14.

DRUGS COMING TO CANADA: AN OVERVIEW

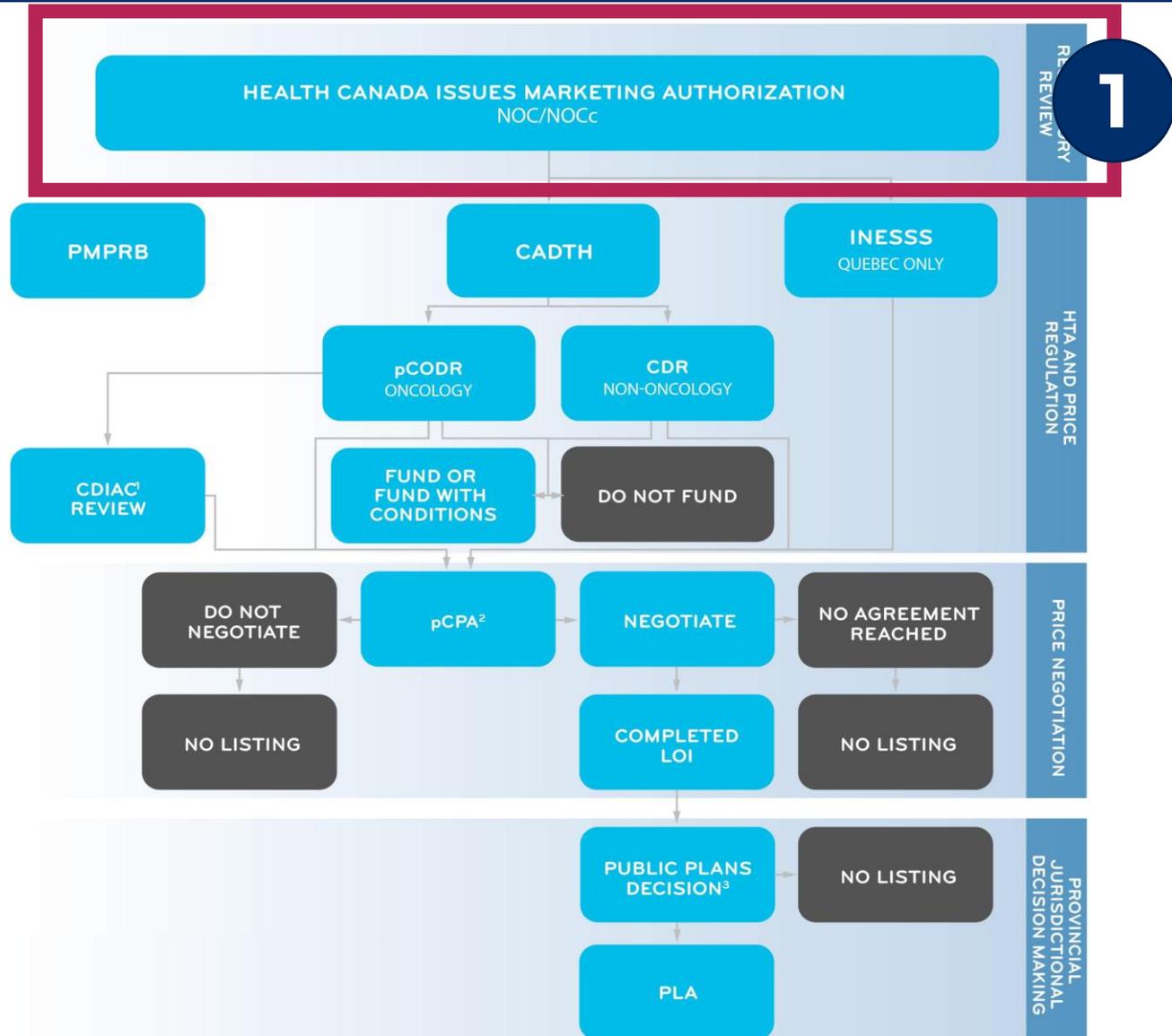


CANADA IS RELATIVELY QUICK TO APPROVE AND LAUNCH NEW MEDICINES, BUT AMONG THE SLOWEST OF THE OECD20 TO REIMBURSE THEM THROUGH ITS PUBLIC PLANS

DRUG AUTHORIZATION

HEALTH CANADA REVIEW

Drug approval, review, and public funding in Canada is a complex and multi-stakeholder process.



Health Canada is the Federal department responsible for review and approval for sale of new drugs through the Health Products and Food Branch (HPFB)

HPFB is the national authority that regulates, evaluates and monitors the safety, efficacy, and quality of therapeutic and diagnostic products available to Canadians.

Health Canada does not assess the value / cost of medicines.

When Health Canada reviews a new drug (or new indication), If the conclusion is that the benefits outweigh the risks, the drug is issued a **Notice of Compliance (NOC)**, as well as a Drug Identification Number (DIN) which represents the drug's official approval in Canada.



**Health
Canada**

The timelines for a standard review is 300 days.

Canada does not have a “special” review pathway for DRDs.

However, DRDs *may be eligible for review under the following accelerated pathways:*

Notice of Compliance with Conditions (NOC/c)

- Authorization under the condition that additional studies to verify the clinical benefit are conducted*
- Review performance standard of 200 days
- Provides early access to promising new drugs for life-threatening or severely debilitating diseases for which there are currently no available drugs in Canada **OR** the target drug provides significant improvement in efficacy or safety

**Once a sponsor provides satisfactory evidence of the drug's clinical effectiveness and all the conditions agreed upon at the outset have been met, the conditions associated with market authorization will be removed in accordance with the NOC/c Policy.*

Priority Review

- Review performance standard of 180 days
- Life-threatening or severely debilitating diseases for which there is **substantial evidence** of clinical effectiveness, and which there are currently no available drugs in Canada **OR** the target drug provides significant improvement in efficacy or safety

What if a drug is not yet approved in Canada?

Through Health Canada's special access programs (SAP), **HEALTH CARE PROFESSIONALS** may request access to non-marketed drugs and medical devices not yet authorized for sale in Canada, to treat patients with serious or life-threatening conditions.

Access to these drugs is only considered when conventional therapies have failed, are unsuitable, or are unavailable.



These programs are **not** to be used to:

- promote or encourage the early use of drugs or medical devices
- conduct research
- bypass the clinical trial, drug or medical device review process

Useful resources to stay informed on the status of drugs in Canada

Submissions Under Review (SUR) Database

The SUR Lists help to make Health Canada review processes more transparent.

The list is updated monthly, and includes submissions currently under review or completed for:

- new drug submissions
- supplemental new drug submissions for new uses

Drug Product Database (DPD)

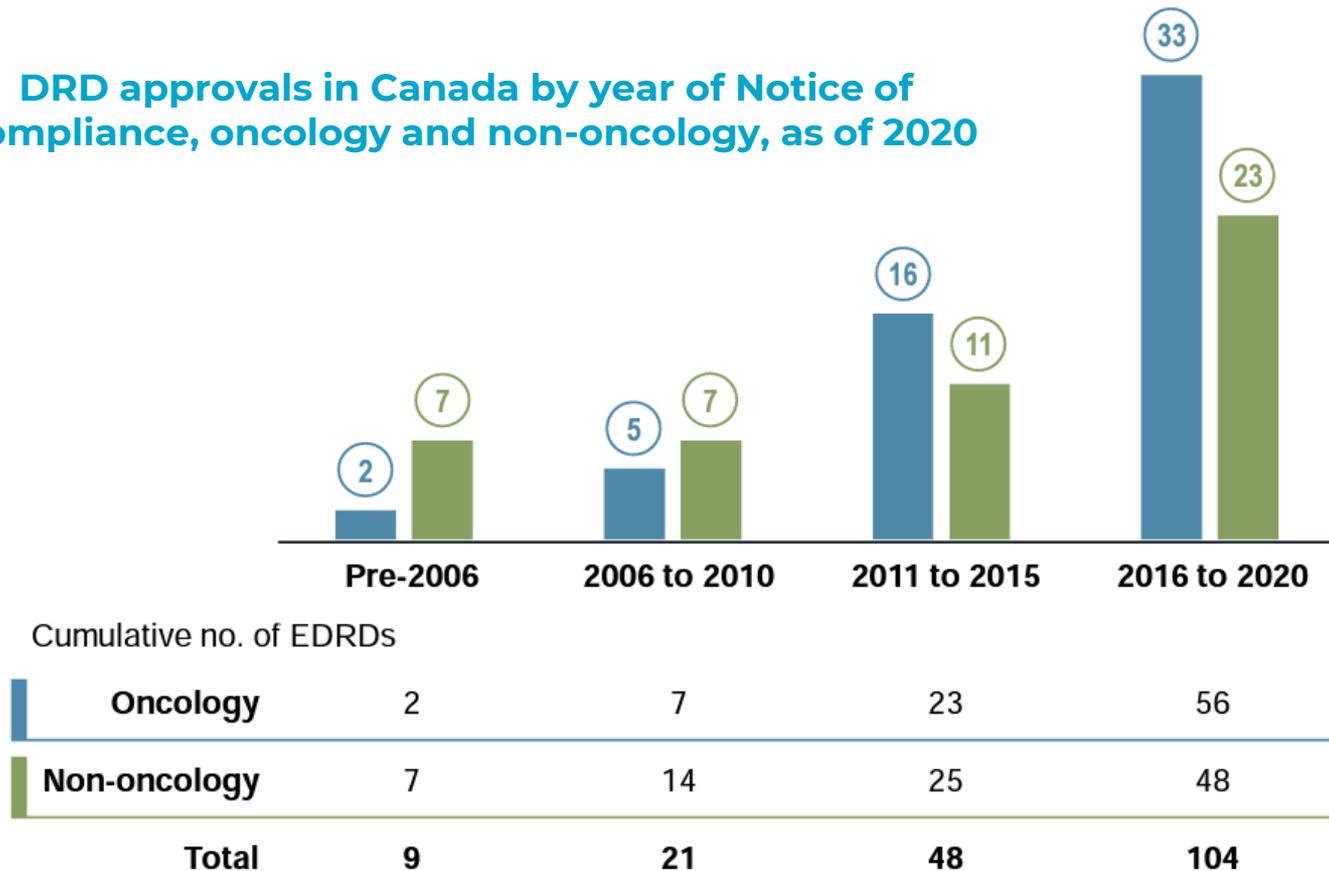
The Drug Product Database can be used to find drugs authorized for sale by Health Canada.

The DPD is updated nightly and includes:

- availability of the drug in Canada
- product monograph (PM) for human drugs

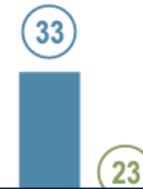
The pace of approvals of drugs for rare disease is increasing.

DRD approvals in Canada by year of Notice of Compliance, oncology and non-oncology, as of 2020



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DRD approvals in Canada by year of Notice of Compliance, oncology and non-oncology, as of 2020



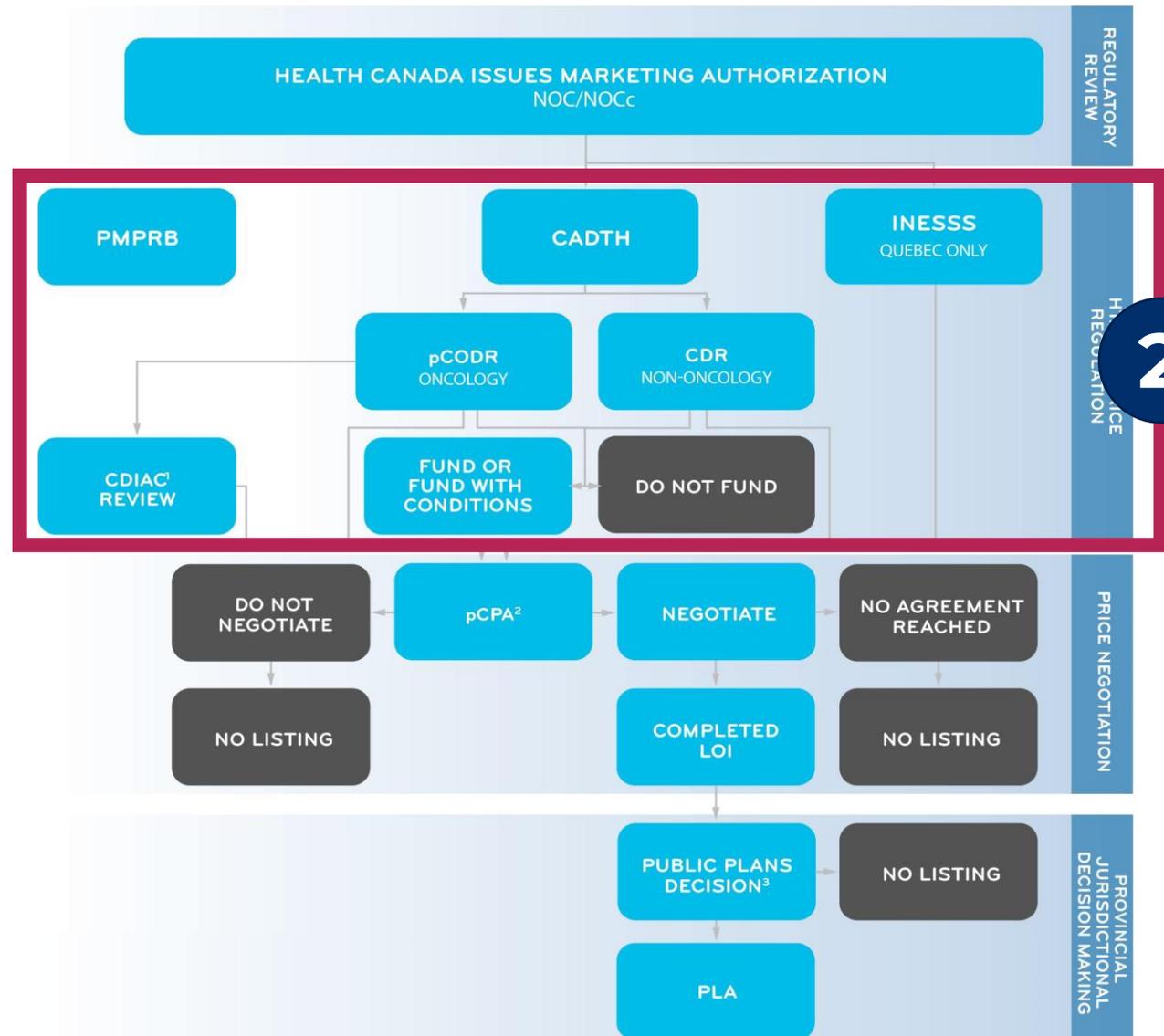
Regulatory approval is only the first step in the drug pathway.

Oncology	2	7	23	56
Non-oncology	7	14	25	48
Total	9	21	48	104

DRUG ASSESSMENT

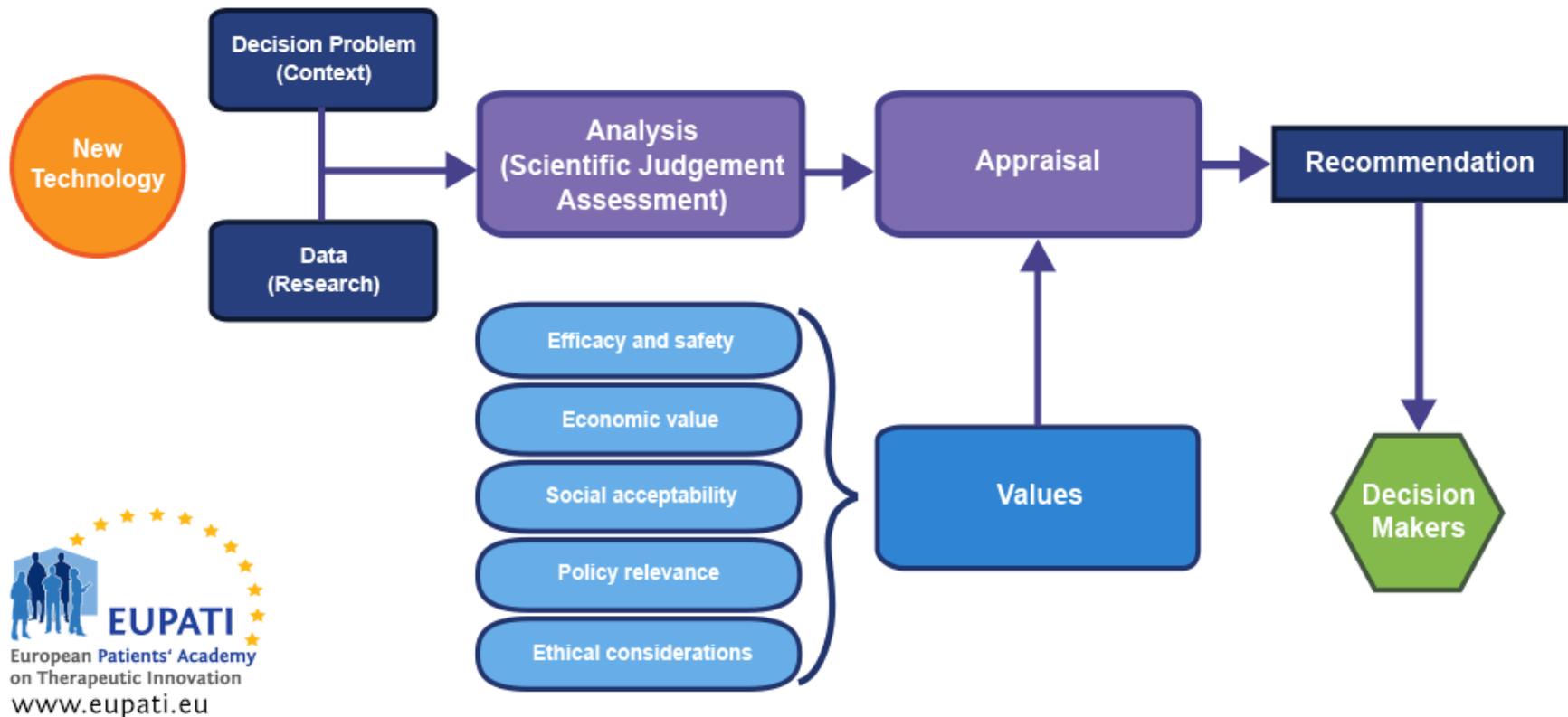
HTA REVIEW CONDUCTED
BY CADTH AND INESSS

Drug approval, review, and public funding in Canada is a complex and multi-stakeholder process.

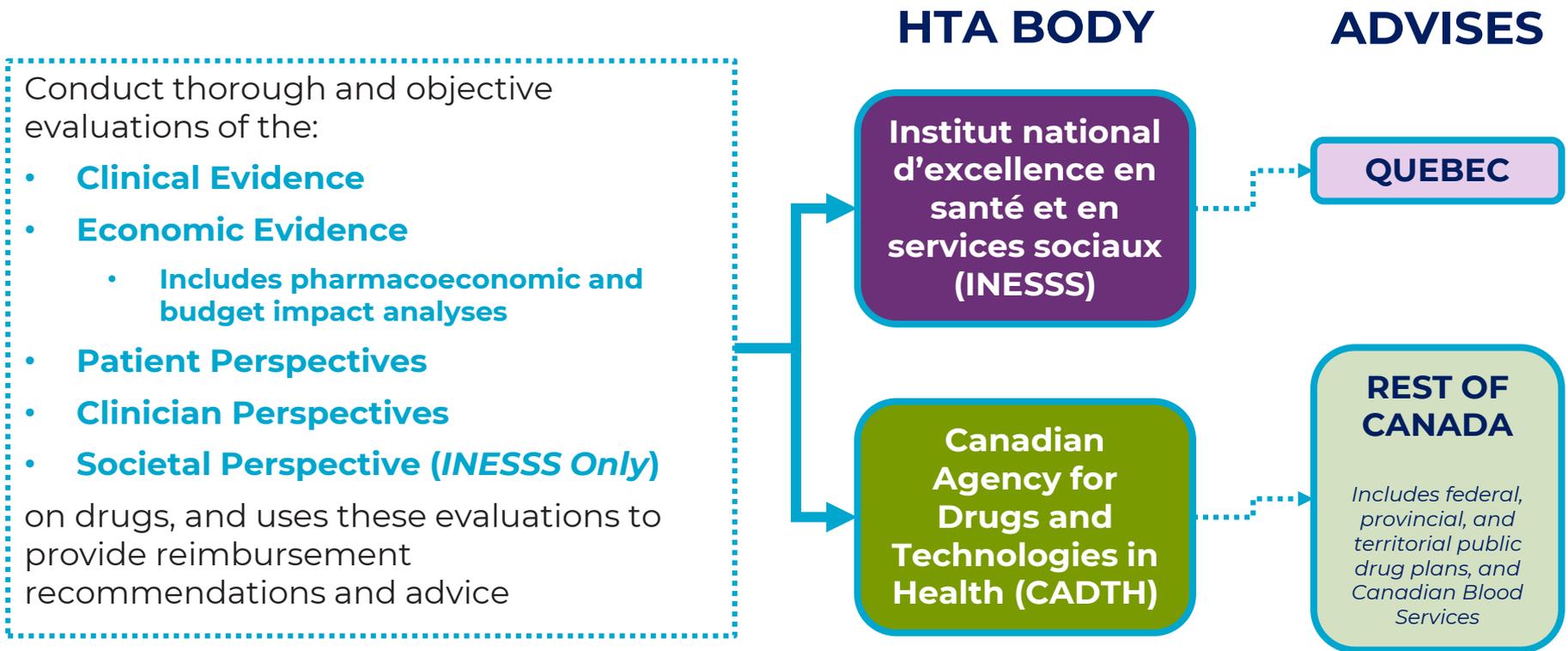


2

Health Technology Assessment focuses on assessing the evidence and the clinical, economic, and societal value of a new health product.



In Canada, drugs must first undergo a Health Technology Assessment to receive a reimbursement recommendation.



Both INESSS and CADTH can provide three types of recommendations

CADTH

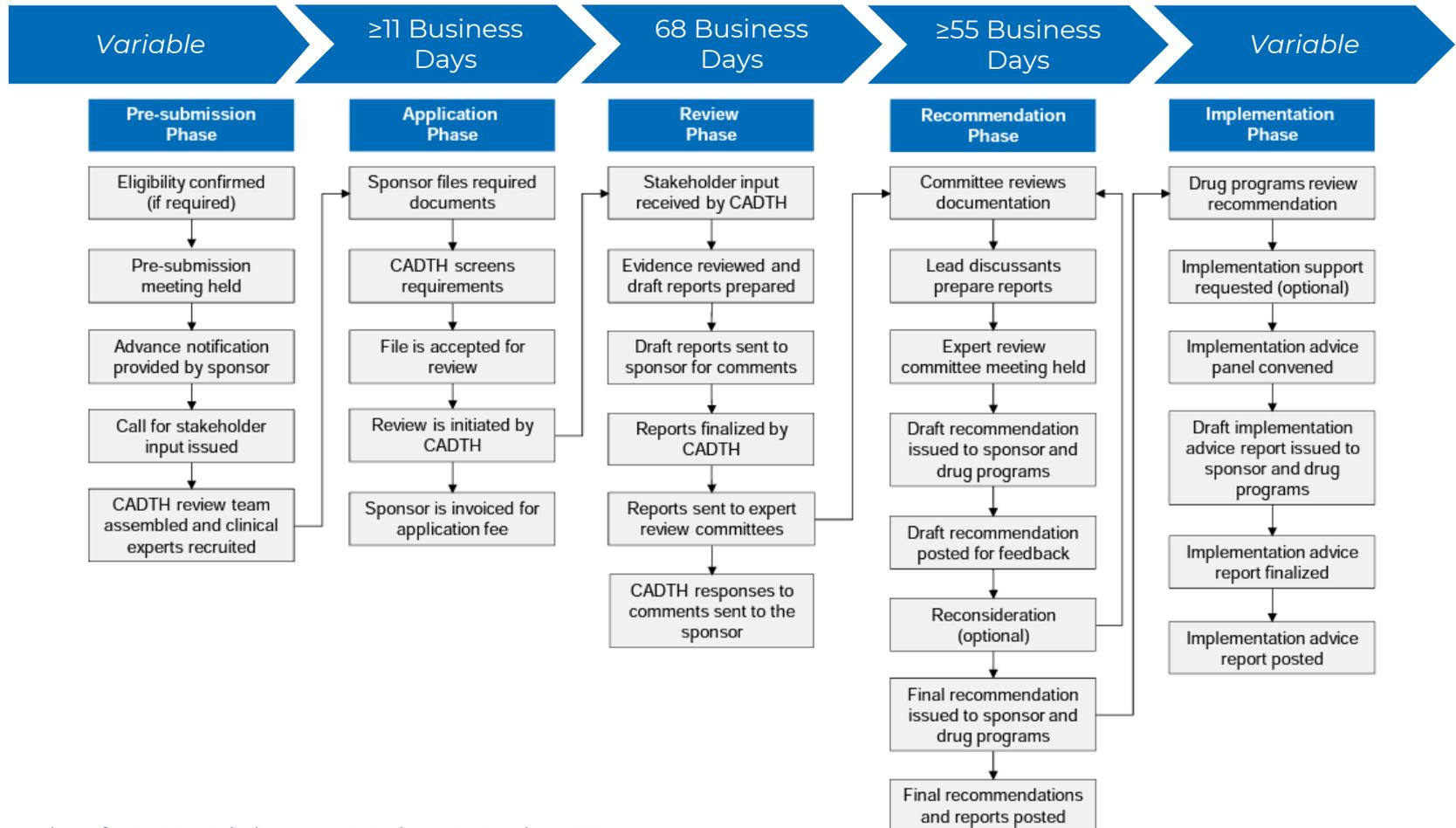
1. Reimburse
2. Reimburse with Clinical Criteria and/or Conditions
3. Do Not Reimburse

INESSS

1. Listing
2. Conditional Listing (Exceptional Drug / Monitoring / Reduction of Economic Burden)
3. Do Not List

These recommendations are non-binding

The CADTH review process involves many steps and stakeholders. Target for review is ≥ 134 business days (~190 calendar days)



Both INESSS and CADTH provide opportunities for patient and clinician input.

Open Calls for Input and Feedback

[Submit Feedback](#)

Listed are current opportunities for patient groups, clinician groups, drug plans, and cancer agencies to provide input or feedback on drugs being assessed within the reimbursement review process.

COMMENT ON A DRUG PRODUCT

Démarche de consultation relative à des médicaments qui seront évalués par l'INESSS

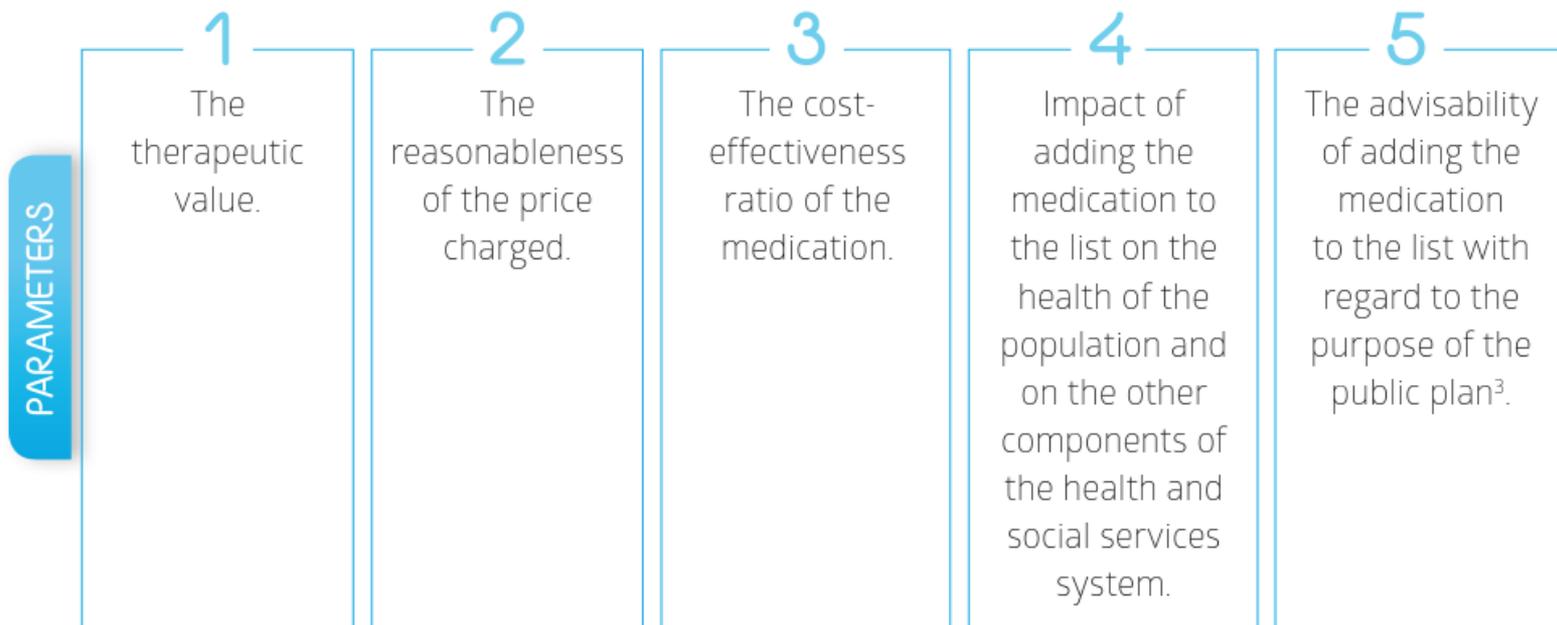
CADTH does not have a distinct pathway for the review of DRDs.

However, considerations for significant unmet need include disease rarity.

Rarity of condition	<ul style="list-style-type: none"> • The drug under review is approved by Health Canada for the treatment of a rare disease. Specifically, the condition for which the drug is indicated has the following characteristics: <ul style="list-style-type: none"> ▪ is life-threatening, seriously debilitating, or both serious and chronic in nature ▪ affects a relatively small number of patients (incidence of fewer than 5 in 10,000, but typically closer to 1 in 100,000) ▪ is often genetically based, onset at birth or early childhood, and leads to a shortened lifespan ▪ places a heavy burden on caregivers and the health care system ▪ is difficult to study because of the small patient population.
Population	<ul style="list-style-type: none"> • Need is identified on a population or subpopulation basis and not on an individual basis.
Absence of alternatives	<ul style="list-style-type: none"> • There is an absence of clinically effective drug or non-drug alternative treatments. • Substantial morbidity and mortality exist despite the available drug or non-drug alternative treatments.

Similarly, DRDs may be eligible for a **complex review** which involves greater consultation with clinical experts (e.g., convening a pan-Canadian panel of specialists), greater consideration of non-randomized studies, and examination of potential implementation / ethical issues.

INESSS carries out its drug evaluation mandate based on five parameters, including societal impact

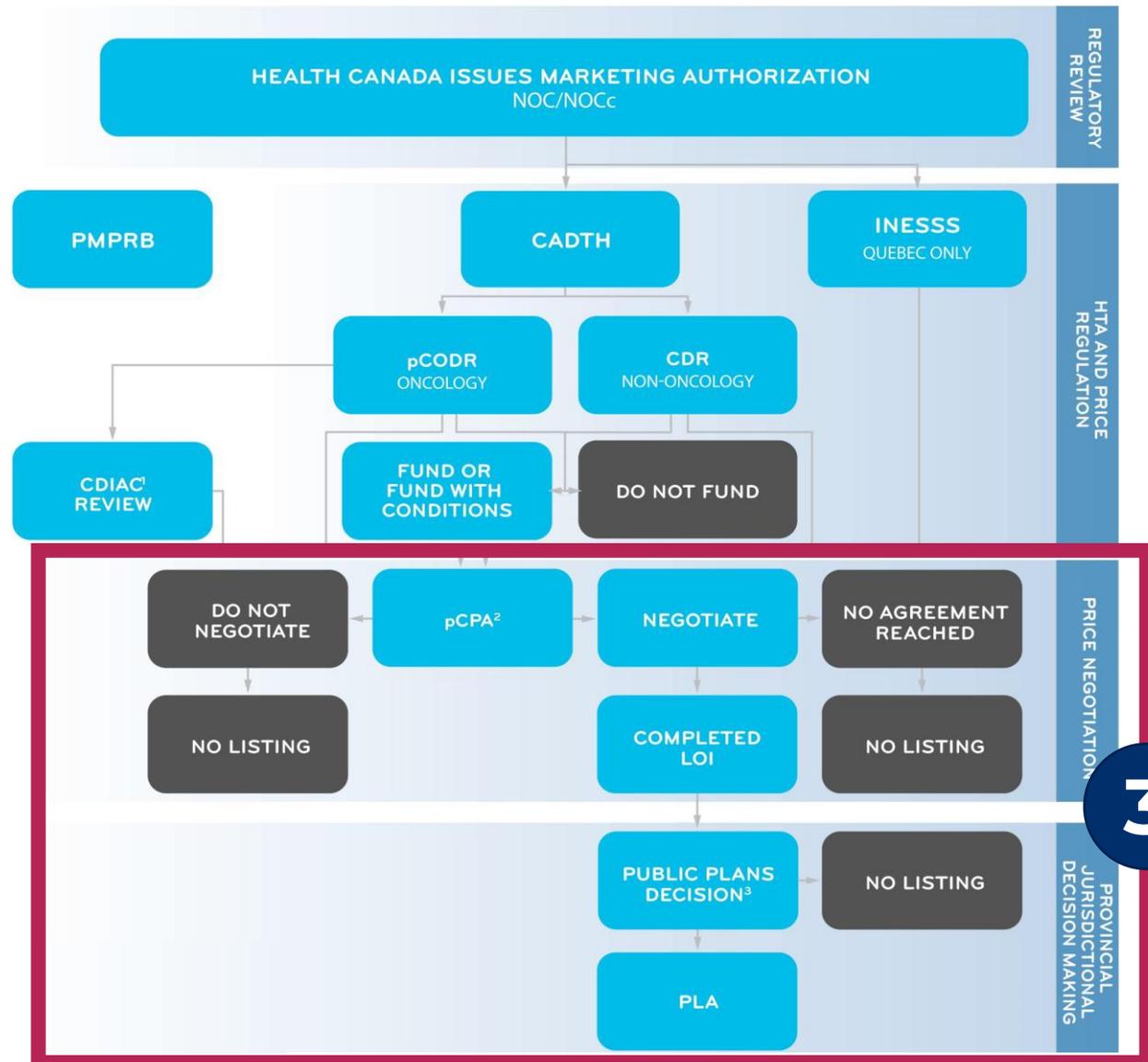


Whilst a separate process is not available for DRDs, the drug evaluation process makes it possible to consider the reality of new drugs for rare diseases (unmet health need and promise of value).²

PUBLIC PAYER DRUG FUNDING

NEGOTIATIONS AND
LISTING THROUGH THE
PCPA PROCESS

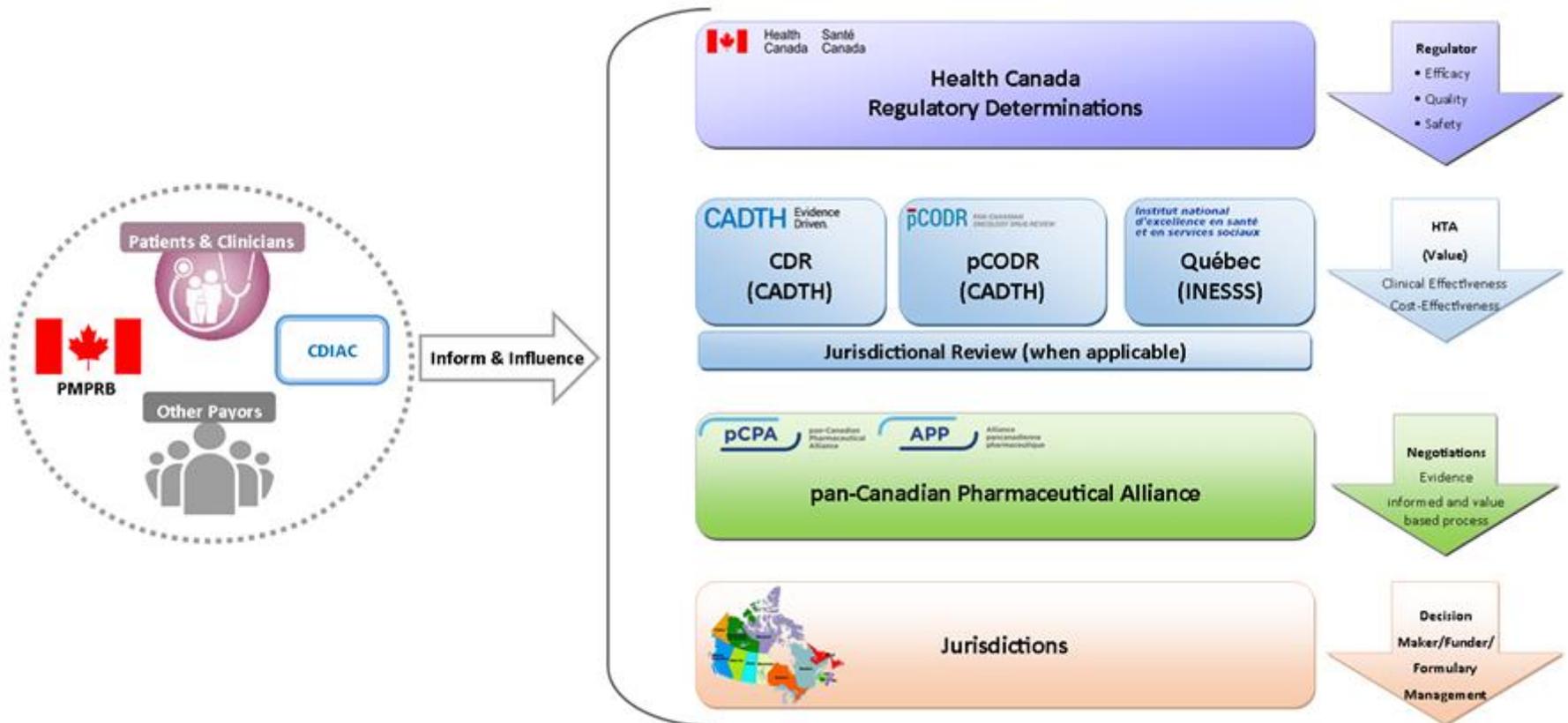
Drug approval, review, and public funding in Canada is a complex and multi-stakeholder process.



3

Source: Salek, Sam, et al. "Factors influencing delays in patient access to new medicines in Canada: a retrospective study of reimbursement processes in public drug plans." *Frontiers in Pharmacology* 10 (2019): 196.

The pan-Canadian Pharmaceutical Alliance (pCPA) is a coalition of all provincial and federal public drug plans in Canada.

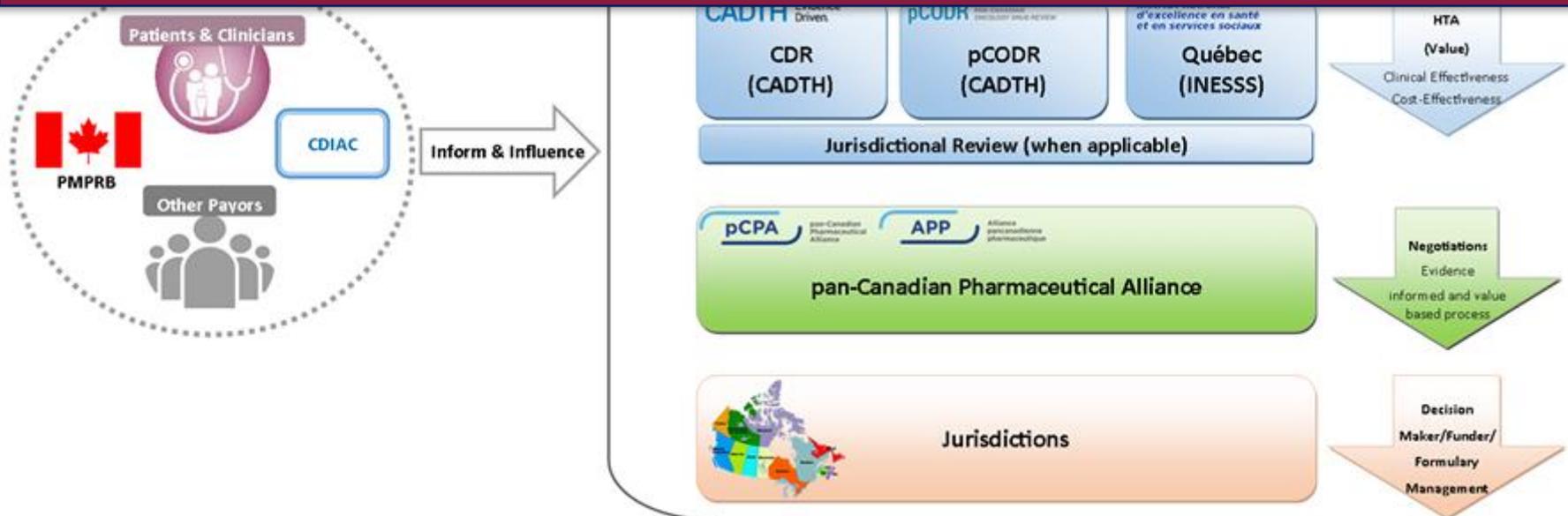


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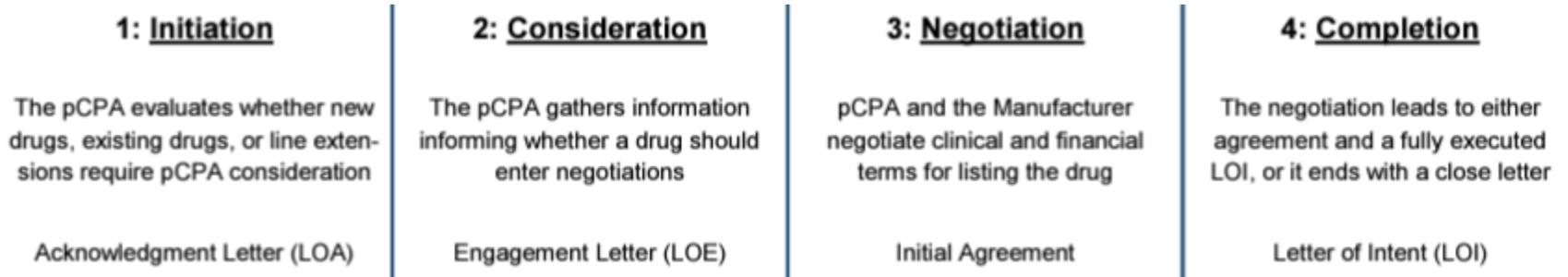
NOTE:

The pCPA is the national body responsible for negotiating the **confidential net price** of the drug, as well as initiation / renewal criteria.

A separate body (the Patented Medicine Prices Review Board, PMPRB) monitors and regulates the publicly available drug list price.

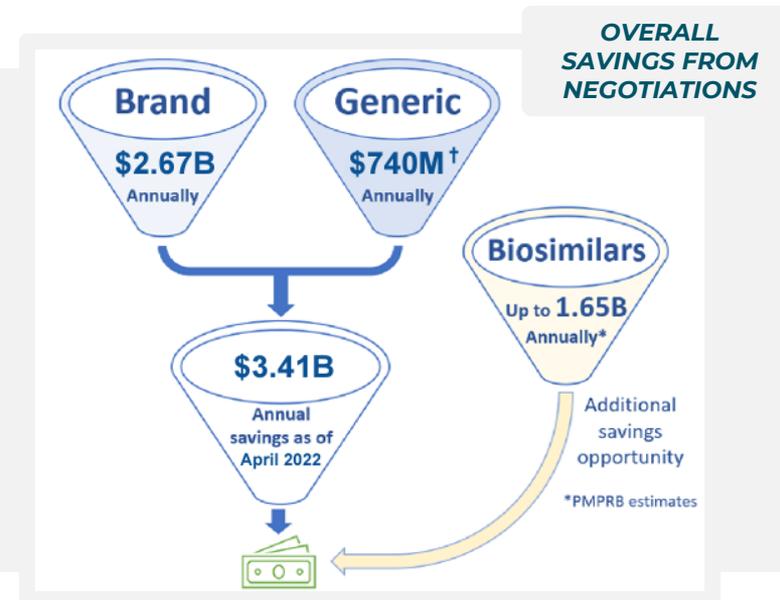


pCPA negotiations follow a four-step process.



pCPA objectives are to:

- ❑ Increase access to clinically relevant and cost-effective treatments
- ❑ Achieve consistent and lower drug costs
- ❑ Improve consistency in funding decisions
- ❑ Reduce duplication and optimize resource utilization



At any given time, the number of drugs being reviewed / negotiated by the pPCA is high.

Not all negotiations are successful.

Status	Total Negotiations	Summary
Active Negotiations	31	Non-oncology: 20 Oncology: 11
Under Consideration for Negotiation	37	Non-oncology: 19 Oncology: 18
Completed Negotiations	544	With Letter of Intent: 469 Without agreement: 75
Negotiations That Were Not Pursued	91	

The process is considered complete once the negotiation has resulted in mutually agreed upon terms and a fully executed Letter of Intent (LOI)

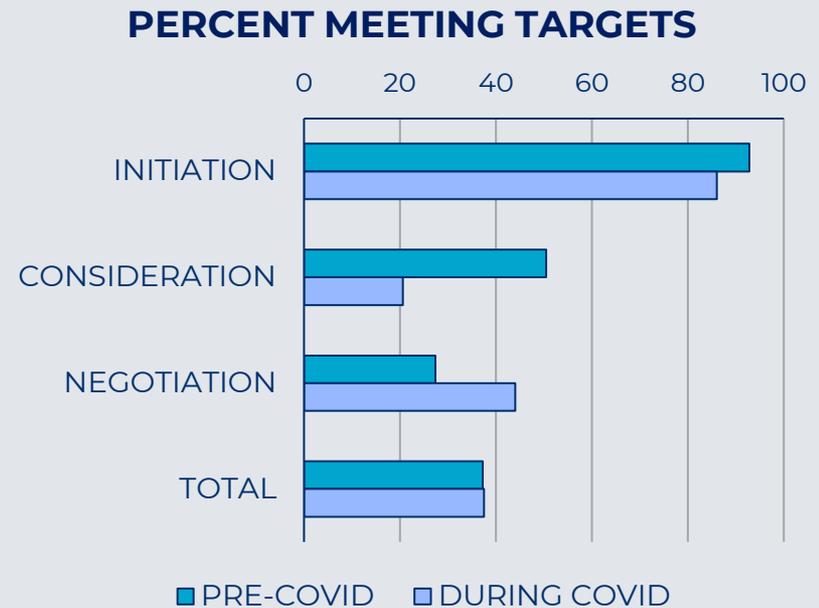
Or, if mutually agreed terms are not reached, the pCPA issues a Close Letter to the Manufacturer, indicating that the negotiation is closed.

!! Even after completion of negotiations and execution of an LOI, it is the responsibility of the individual Jurisdictions and the Manufacturer to transfer the terms into a product listing agreement (PLA) !!

The LOI is not binding.

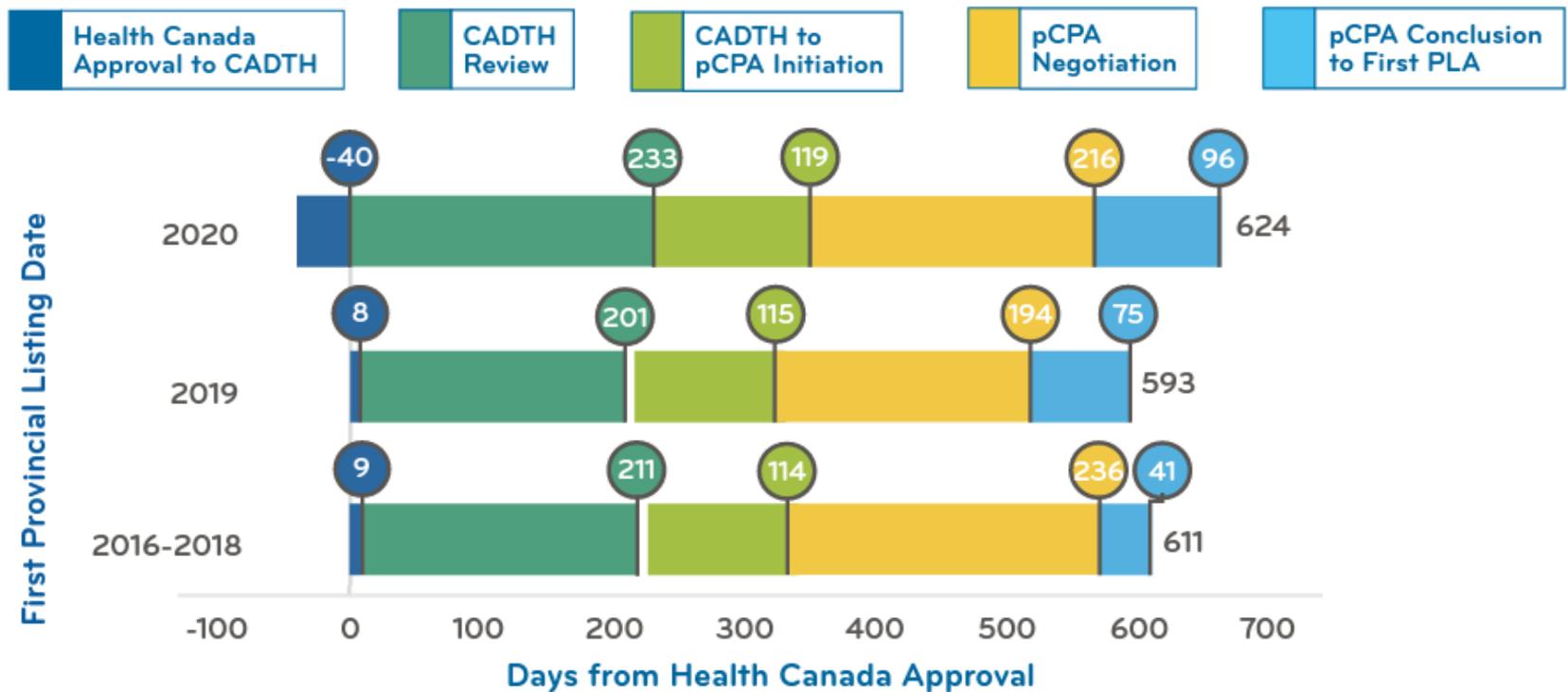
The pCPA has target timelines for negotiation processes. Even if the entire process was on target, the negotiations would take 140 business days (~200 calendar days).

Phase	Associated Deliverable	Target Completion Time
1 - Initiation	Acknowledgment Letter	≤ 10 Business Days from HTA recommendation†
2 - Consideration	Engagement/Close/Hold Letter	≤ 40 Business Days from HTA recommendation†
3 - Negotiation	Proposals/Counterproposals	≤ 90 Business Days from Engagement Letter
4 - Completion	LOI/Close Letter	



Source: pCPA Brand Process Guidelines, https://www.pcpacanada.ca/sites/default/files/aoda/pCPA_Brand_Process_Guidelines_EN_FINAL-s.pdf
 pCPA Dashboard, https://www.pcpacanada.ca/sites/default/files/EN_2022_08_03_pCPA_Dashboard_UPDATE_EO_April_2022_FINAL-s_1503601.pdf

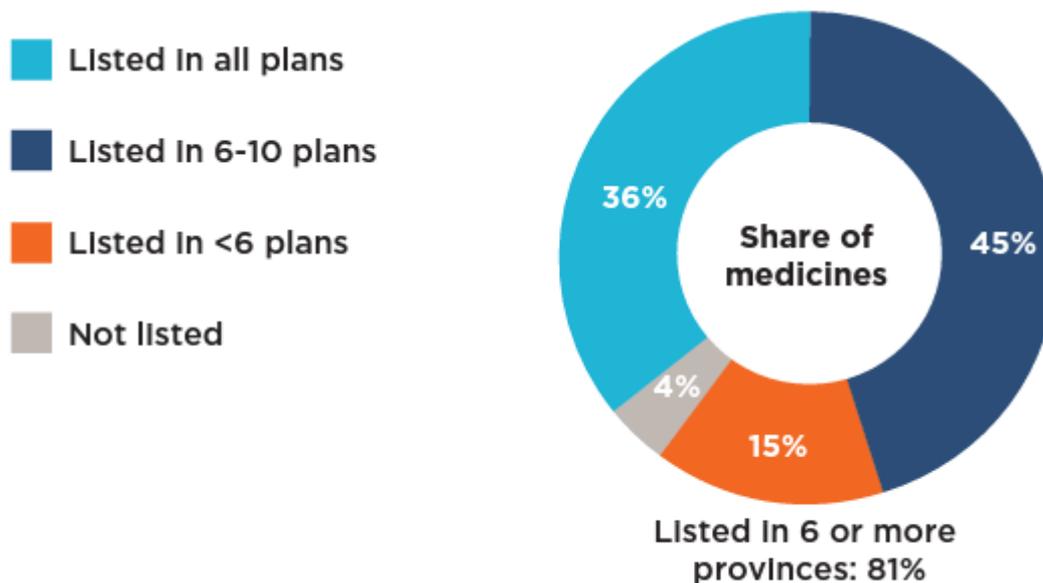
Drugs first listed on Canadian public plans in 2020 were approved by Health Canada almost 21 months before first listing on a provincial formulary. Time to a first provincial PLA continues to increase over time.



Notes: Excludes Québec listings.

However, positive CDR recommendations do not guarantee listing on provincial formularies and not all drugs are listed

Distribution of medicines with positive CDR recommendations by number of public formulary listings (2003-2019)*

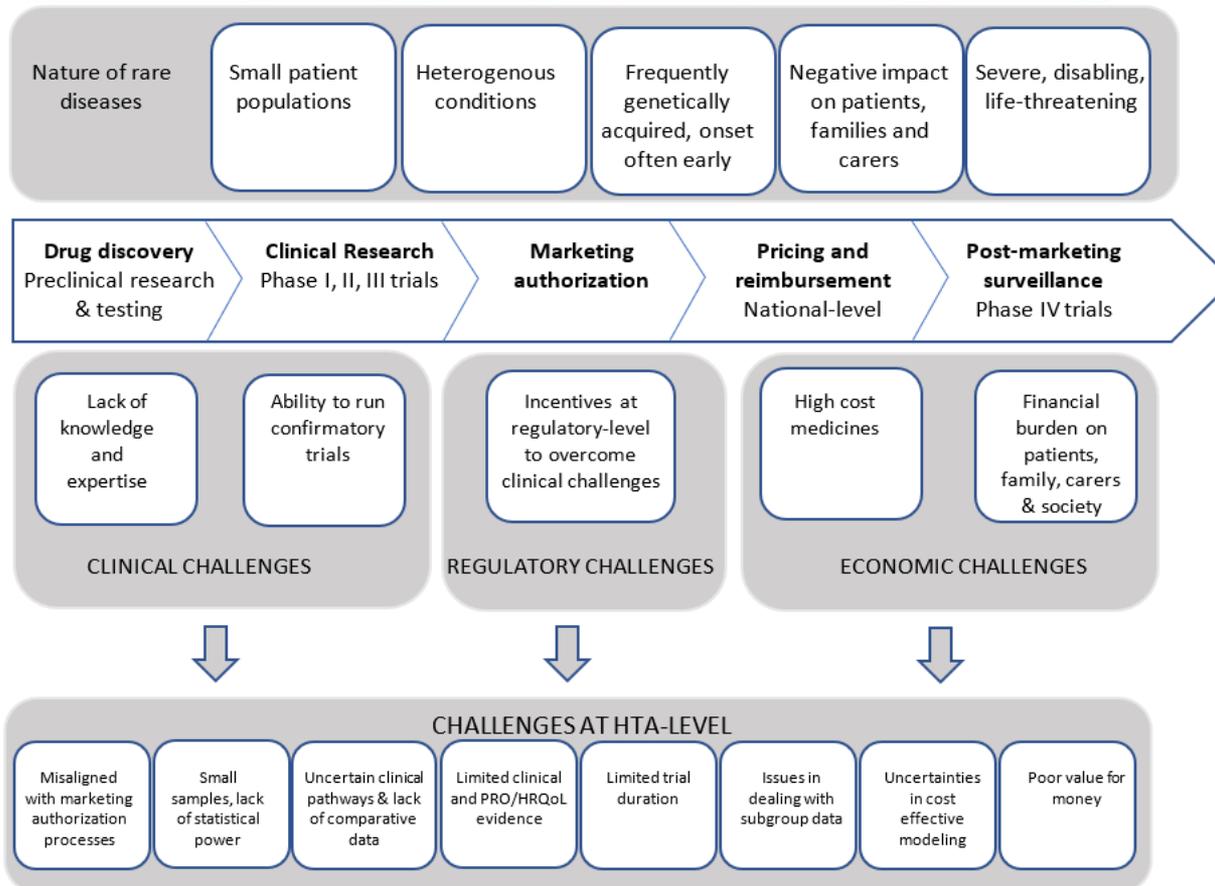


*Based on 240 medicines with positive recommendations by CADTH's Common Drug Review, assessed between December 16, 2003, and June 30, 2019. Public drug programs from British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, New Brunswick, Nova Scotia, Prince Edward Island, and Newfoundland and Labrador were included, as well as Yukon and the NIHB.

DRUGS FOR RARE DISEASE

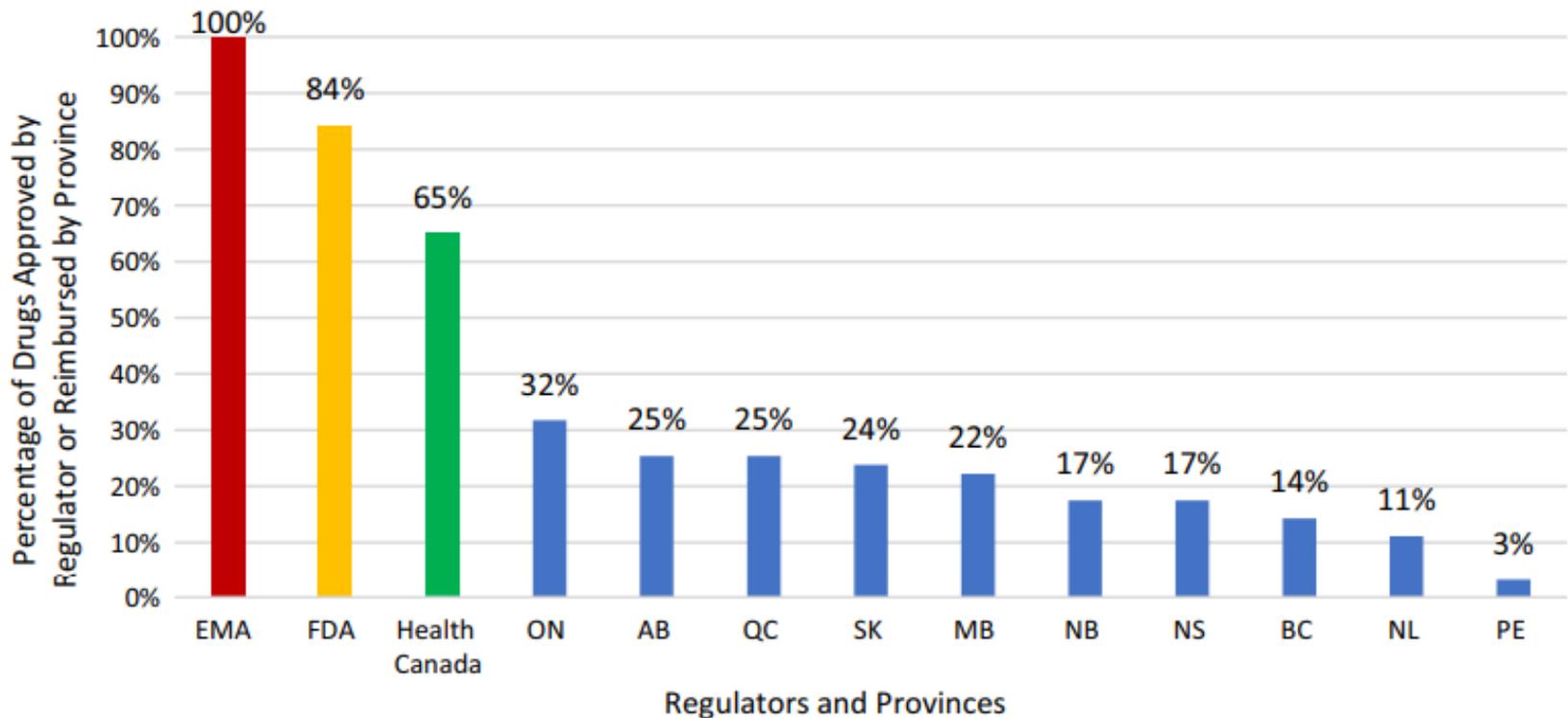
ADDITIONAL CONCERNS
AND CHALLENGES

Drugs for rare disease face a number of challenges that make regulatory approval and HTA review challenging.



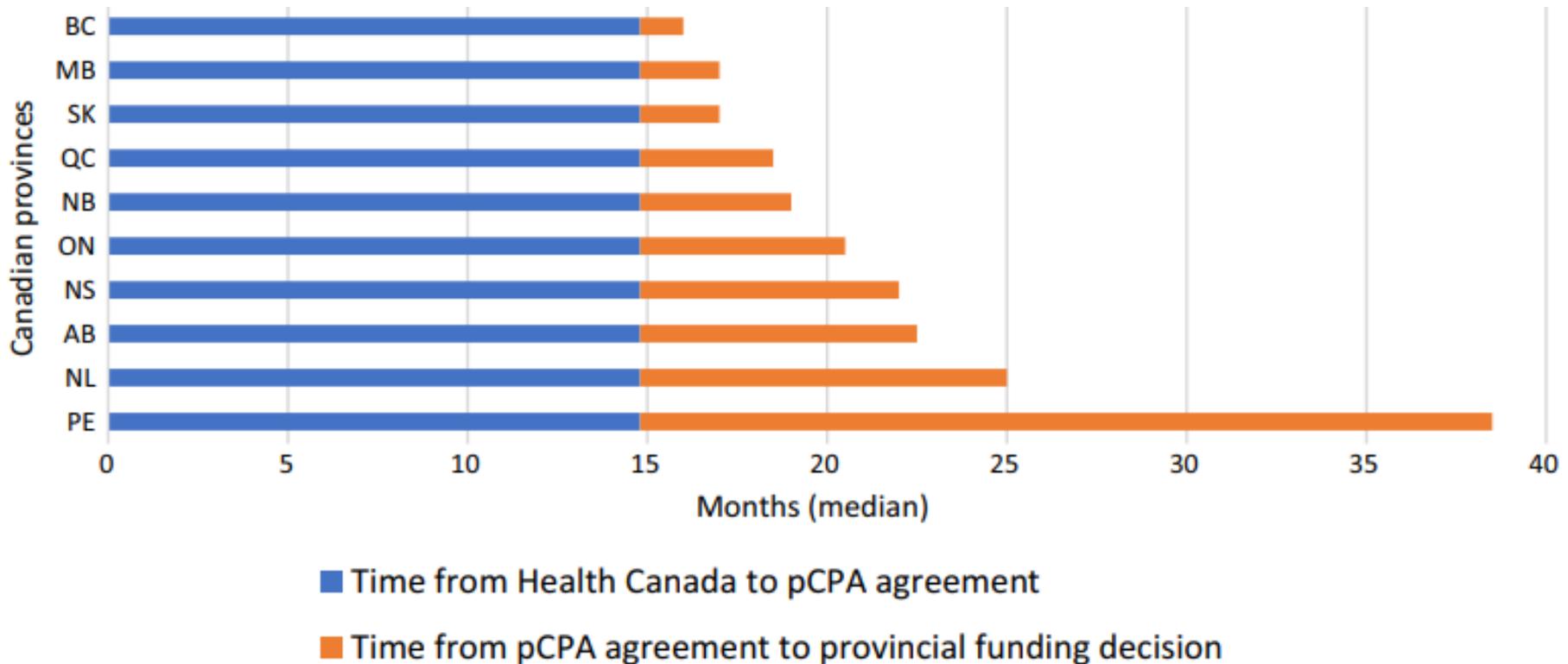
Less than 1/3 of EMA-approved orphan drugs (2015-2020) were publicly funded in Canada.

Ontario had the most public patient access of the provinces funding 20/63 (32%).



Source: Ward, Leanne Marie, et al. "An international comparative analysis of public reimbursement of orphan drugs in Canadian provinces compared to European countries." Orphanet journal of rare diseases 17.1 (2022): 1-14.

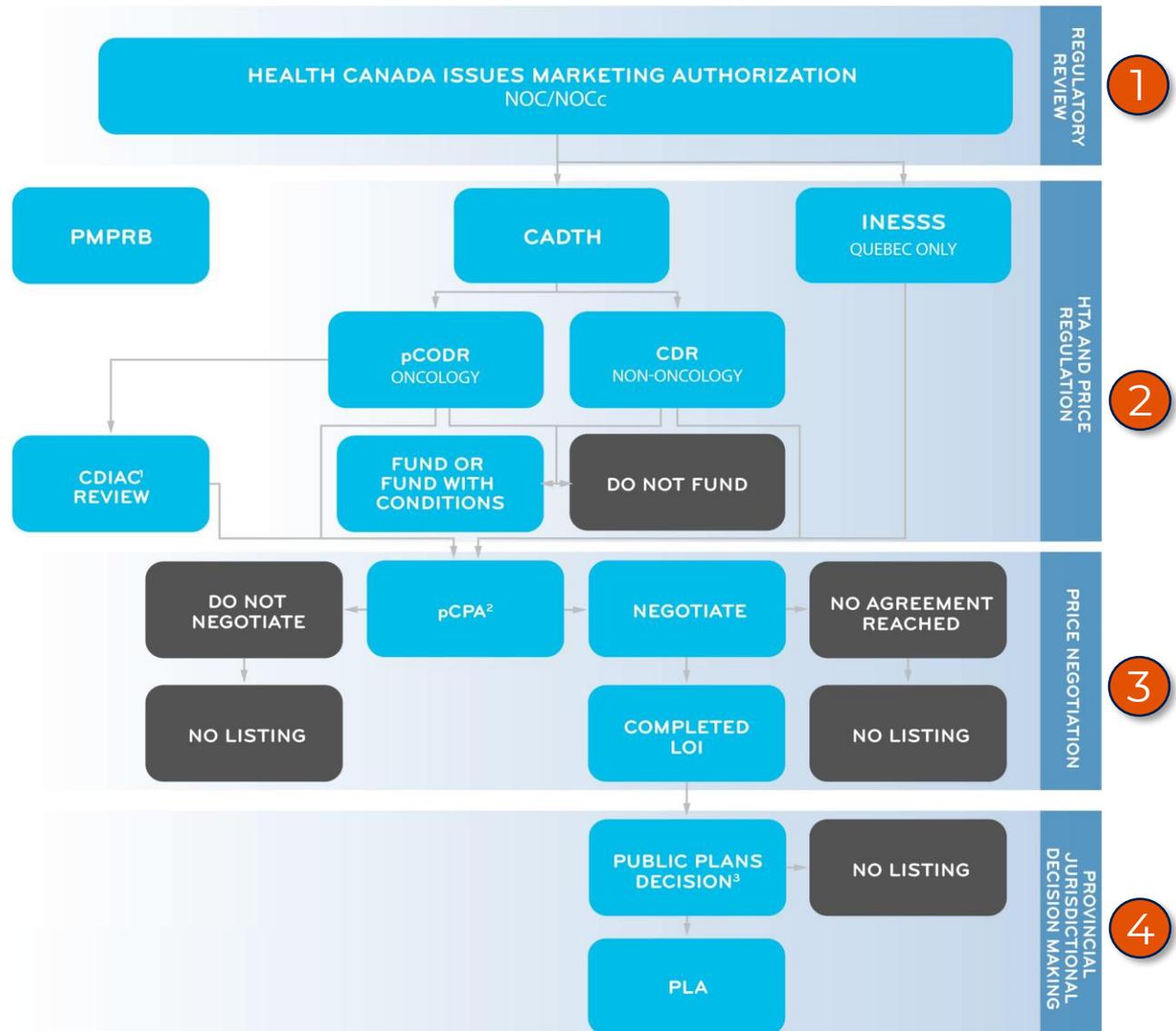
Time to provincial funding for DRDs also varies across provinces.



Source: Ward, Leanne Marie, et al. "An international comparative analysis of public reimbursement of orphan drugs in Canadian provinces compared to European countries." Orphanet journal of rare diseases 17.1 (2022): 1-14.

Summary

Drug approval, review, and public funding in Canada is a complex and multi-stakeholder process.



KEY TAKEAWAYS

1

Drug approval and funding in Canada is disjointed and involves a large number of stakeholders.

2

Patient and clinician engagement is a KEY aspect of the HTA process. Ensure your voice is heard!

3

Drugs for rare disease face unique challenges, which can lead to further delays in access.

THANK YOU