

What is the preferred approach to US drug pricing reforms international reference pricing or value-based pricing?

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Declaration of Interest

I am an employee of Aetion, Inc. and own stock options at Aetion Inc.

Opinions are my own and not of my employer or any other entity



Free-market policies in the US promote innovation but hinder access

60%

of Americans take a prescription drug

30%

of American adults report not taking their medicines in 2021 due to cost **75%**

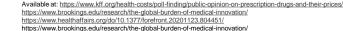
of worldwide drug company profits are derived from US consumer spending

~80%

of American regardless of political affiliation believe that pharmaceutical profits are driving the price of prescription drugs 50%+

across party lines believe there isn't as much drug pricing regulation as there should be 60%

of people believe that prescription drug innovations has improved the lives of the US population over the past ten years





Need to balance affordability & access with innovation

Drug access, affordability, payment, and pricing policies*

Increasing ease of entrance of generic drugs and biosimilars

Rebate or tax penalties for price-hikes that outpace inflation

Medicare negotiating drug prices

International reference pricing

Domestic reference pricing

Value-based pricing

Medicare redesign

Out-of-pocket spending caps

Drug importation from Canada

Formulary restrictions

Prior authorization

Add-on payment caps

Cost-effectiveness analysis

Coverage with evidence development

Outcomes-based contract

Indication-based pricing

International Reference Pricing (IRP) vs. Value-based Pricing (VBP)

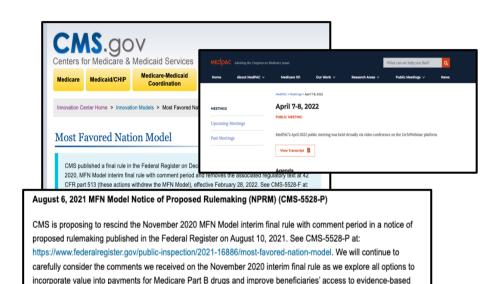
care.

IRP

- Informs pricing negotiations by calculating a reference price from one or more countries
- Used in at least 70 countries to contain drug costs

Value Based Pricing (VBP)

- Result of an assessment, usually an economic evaluation, that attempts to align the price of a drug to its clinical value
 - Cost-utility analysis (CUA) is one type of economic evaluation, that explicitly takes into account the relative costs and outcomes of a therapy adjusted by health status preferences to inform decision-making
- Used in several high-income countries to determine if a therapy will be reimbursed, and is a gateway to market access







Expert panelists



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Disclosures

I have no actual or potential conflicts of interest in relation to this program/presentation.



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Disclosure Statement

I am an employee of Global Pricing Innovations (GPI), a company that provides analytics insights and consulting services to pharmaceutical companies.

Opinions are my own and not of my employer or any other entity.



Value-Based Pricing (VBP) vs International Reference Pricing (IRP) in the US

Margaret Labban, PhD

Pricing and Market Access Solutions Manager

Global Pricing Innovations
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HTA assessments among most commonly-used drug pricing controls globally

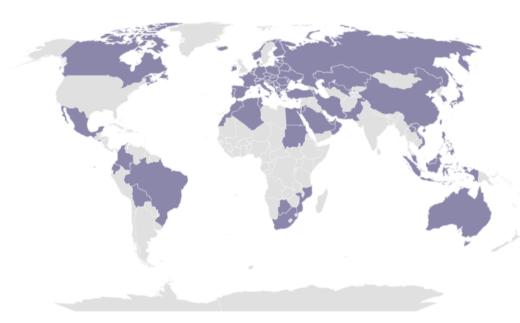
Health Technology Assessments (HTA)





IRP mechanisms among most commonly-used drug pricing controls globally

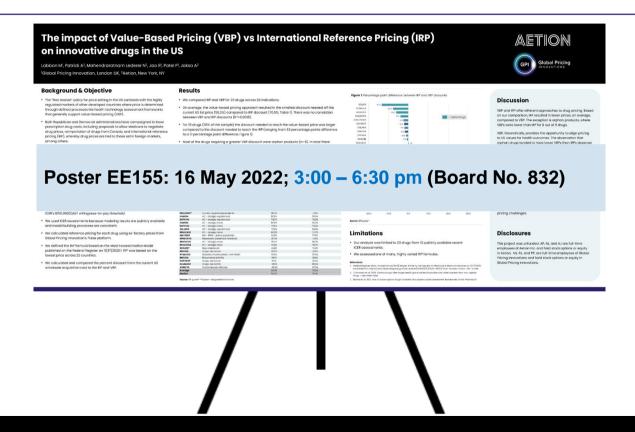
International Reference Pricing (IRP)



Source: GPI pulse™



Objective: Compare the impact of IRP vs VBP on US drug prices





Methodology

We identified a sample of drugs reviewed by the Institute for Clinical and Economic Review (ICER) from 2019-2021.



Value-Based Pricing was estimated based on ICER's \$150,000/QALY willingness-to-pay threshold



International Reference Pricing formula was defined based on the Most Favored Nation (MFN) Model.

The percent discount from the current US wholesale acquisition cost (WAC) to the IRP and VBP were calculated and compared for our sample (n=28).



Results: On average, IRP discount was greater than the VBP discount



55.2%
Discount for VBP



70.5% Discount for IRP

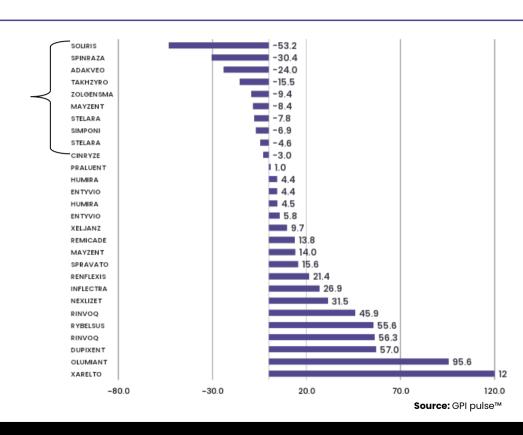
No correlation between IRP and VBP discounts (R²=0.0018)



Results: Percentage point difference between IRP and VBP discounts vary widely

Around 36% of our sample would have required greater discounts under VBP vs IRP

Difference between IRP and VBP discounts vary widely across products



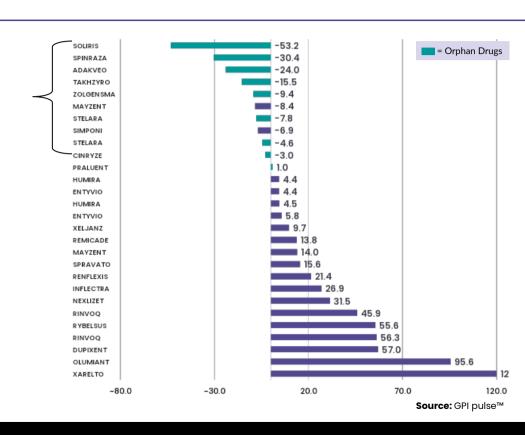


Results: Orphan drugs required greater VBP discounts than IRP

Around 36% of our sample would have required greater discounts under VBP vs IRP

Difference between IRP and VBP discounts vary widely across products

Orphan drugs were predominantly found in the category with larger VBP discounts vs IRP





Summary and next steps

Results Summary

- On average, IRP led to greater discounts (lower prices) than VBP for innovative drugs in the US
- There was no correlation between IRP and VBP discounts
- For select group of products (orphan drugs), VBP could require greater discounts (lower prices) than IRP

Next Steps

- Understand why orphan drugs required greater discounts under VBP
- Understand impact of IRP and VBP on net pricing
- Understand the impact any policy might have on access and innovation



Declaration of interest:Randy Burkholder is an employee of PhRMA, which represents leading biopharmaceutical research companies in the U.S. and globally

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Discussion

