

Save the Date

# Cancer Care Equity Summit

Unveiling the Promise of the Cancer Moonshot  
to Medically Underserved Communities

NMQF and the CEO Roundtable on Cancer are bringing together a diverse group of leading organizations and individuals to serve as a combined force, a network, committed to bringing the Cancer Moonshot to Medically Underserved Cancer Care Communities.

January 24-25, 2023

For more information,  
contact [events@nmqf.org](mailto:events@nmqf.org)



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## Artificial Intelligence as a potential catalyst to a more equitable public health

### Artificial Intelligence (AI) For Cancer Care Equity

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Action in Health (EIH)  
PAHO / WHO



NATIONAL  
MINORITY QUALITY  
FORUM

CANCER  
SHIFTING

STAGE  
INITIATIVE

CANCER MOONSHOT

CEO ROUNDTABLE  
ON CANCER

## In this presentation

- The current landscape
- AI for reducing healthcare inequalities
- AI for cancer care equity
- PAHO's vision and actions
- Final reflections

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 NATIONAL MINORITY QUALITY FORUM

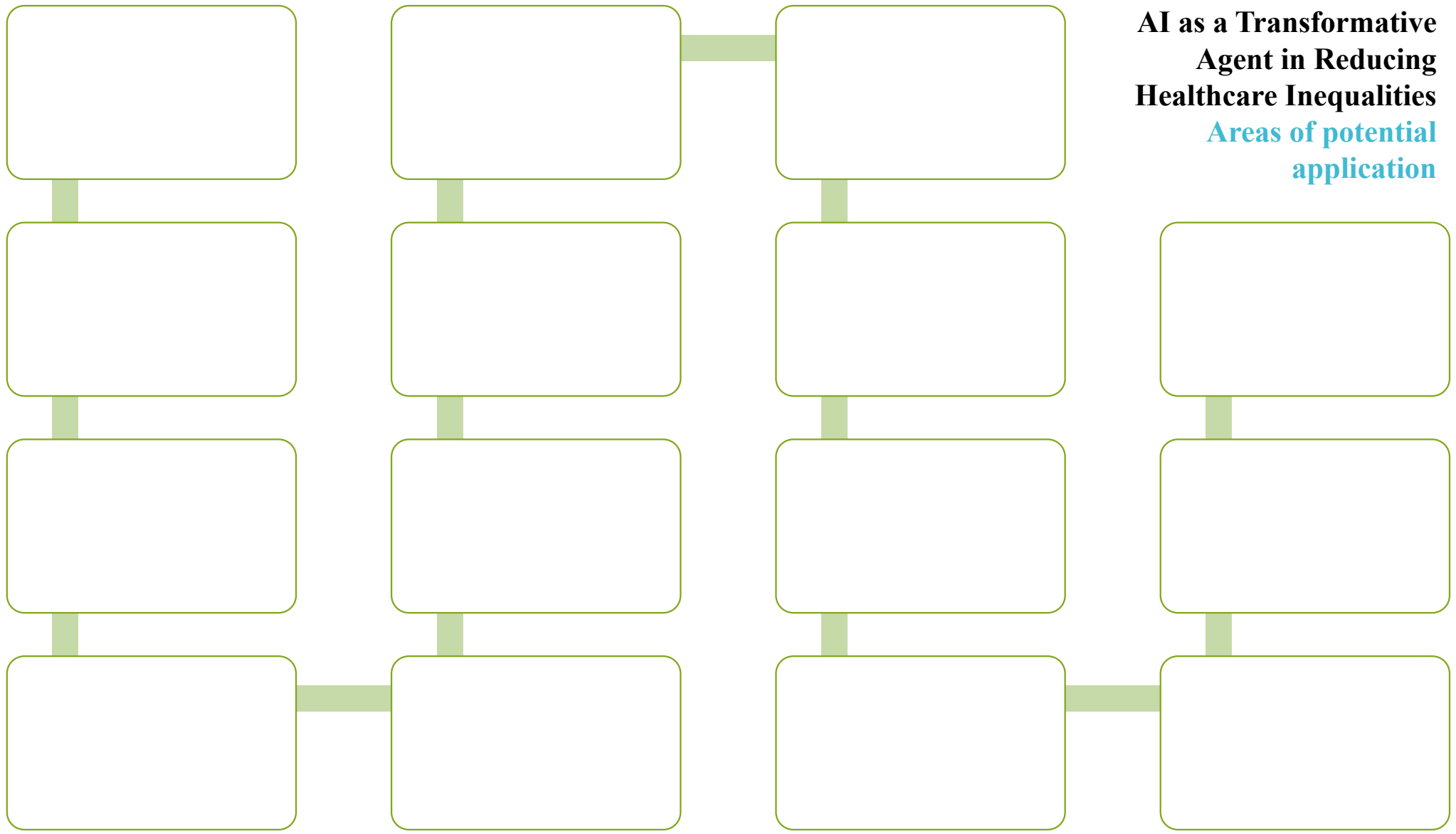
 CANCER SHIFTING STAGE INITIATIVE

 CANCER MOONSHOT

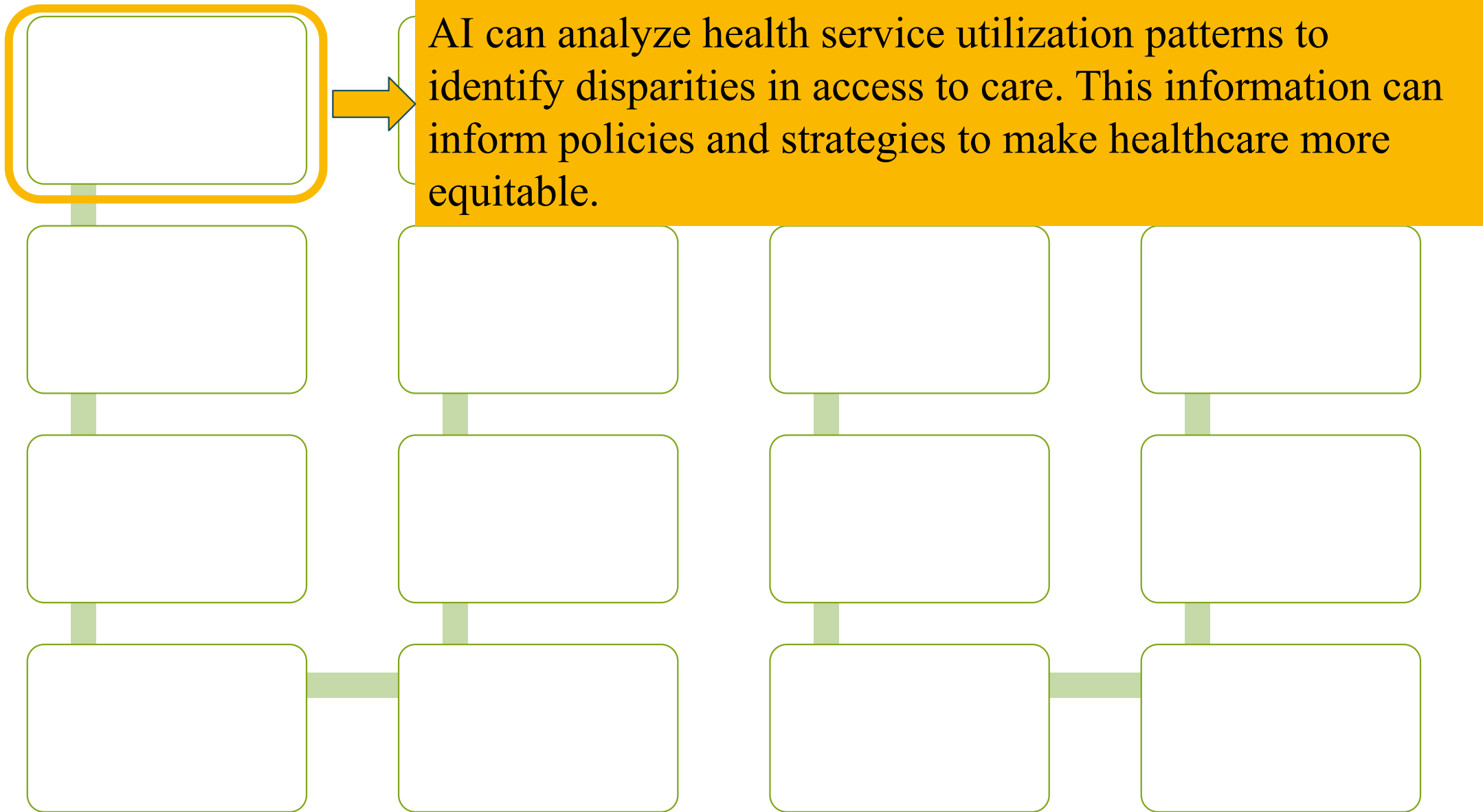
 CEO ROUNDTABLE ON CANCER

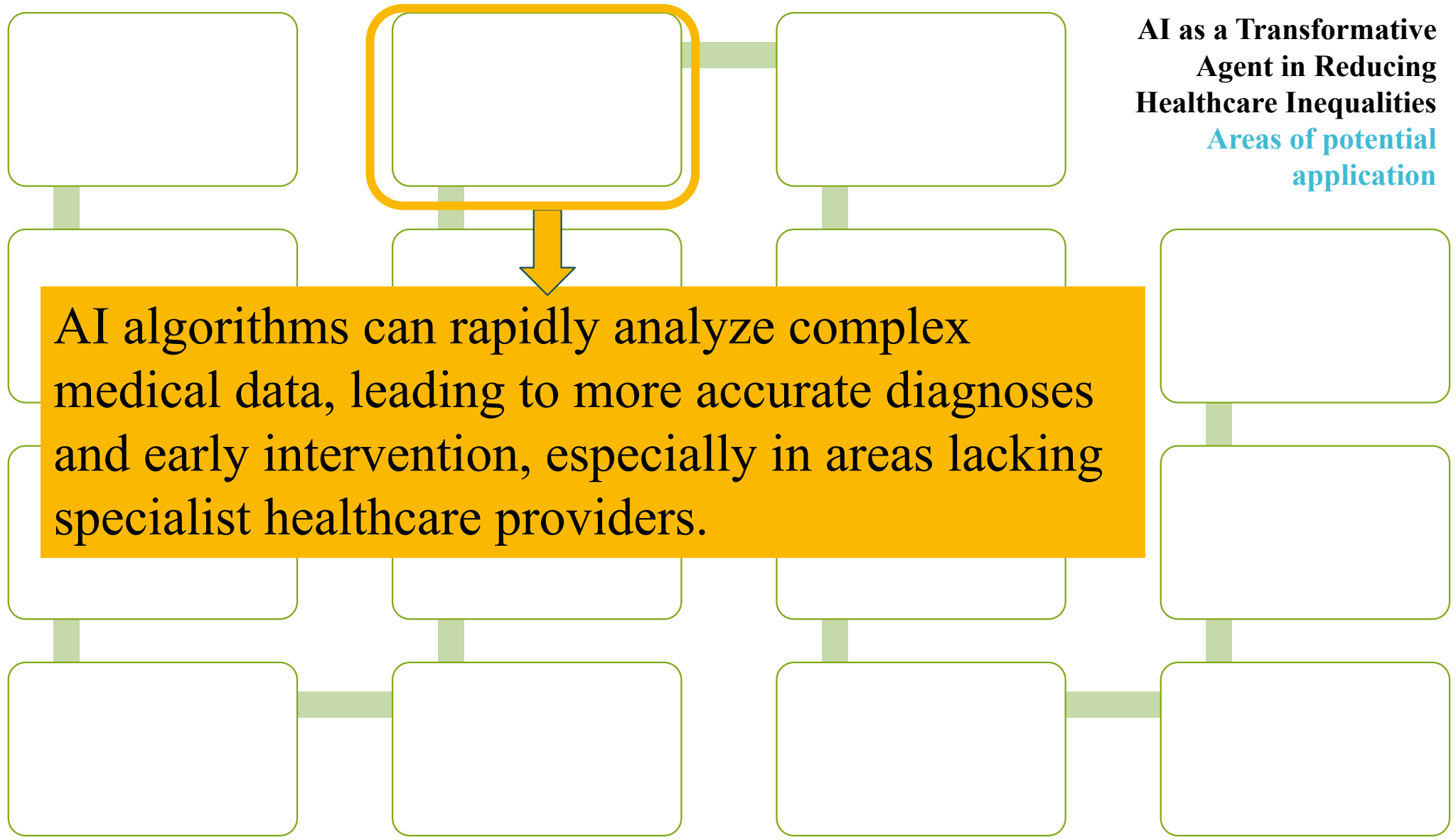
- **Healthcare inequalities** continue to be a significant and pressing issue influenced by socioeconomic, geographical, and cultural factors.
- The **barriers to healthcare access** are not just numerous but also context specific, varying significantly across different countries and regions, and disproportionately affecting diverse populations.
- This **web of challenges** underscores the need for a comprehensive and customized approach in equitable access to health, one that is robustly supported by the digital transformation of the health sector.

**AI** presents a unique opportunity to **facilitate and improve access to health services**, making it more equitable, accessible and personalized, **especially for underserved communities.**



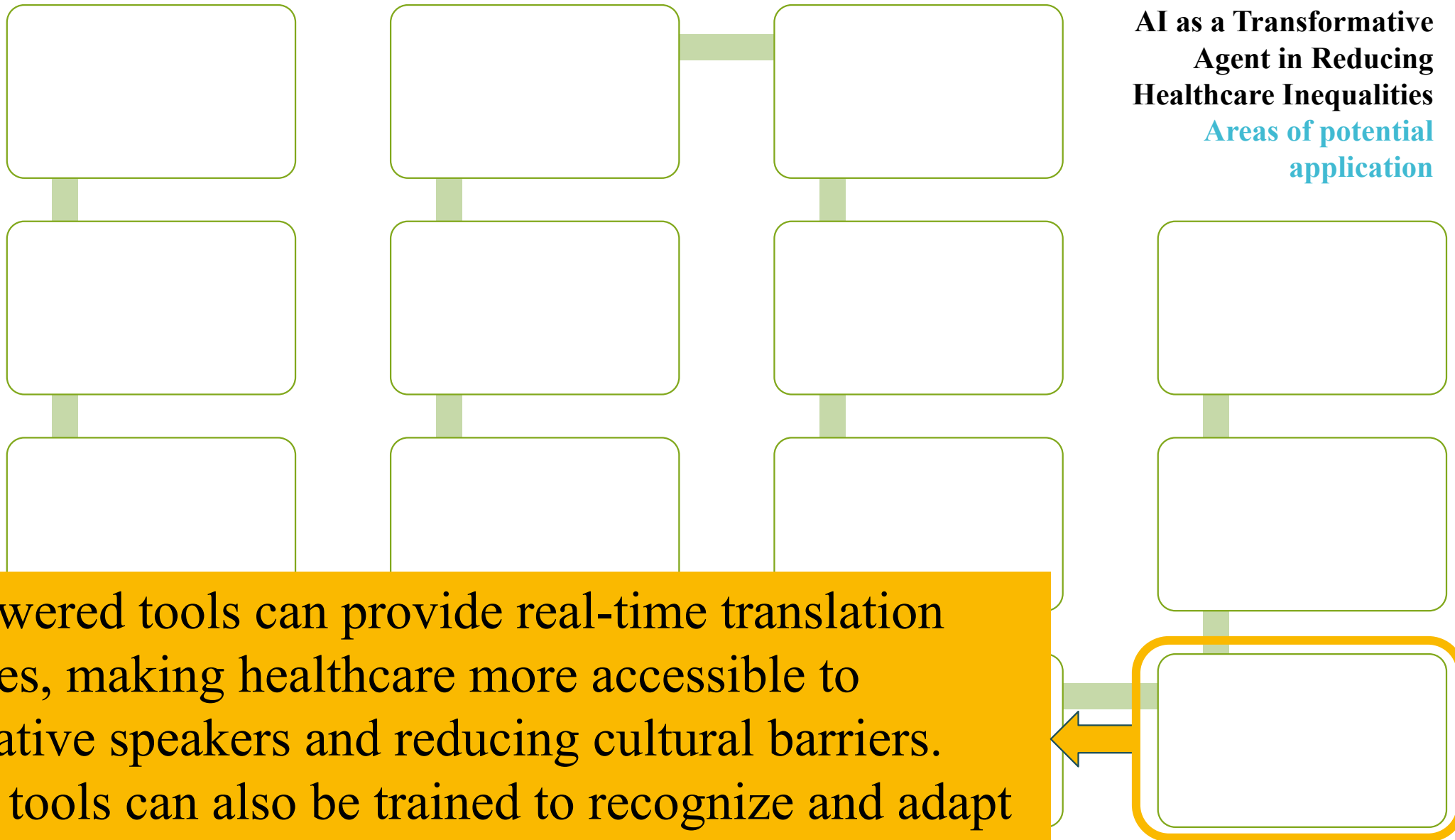
**AI as a Transformative Agent in Reducing Healthcare Inequalities**  
*Areas of potential application*





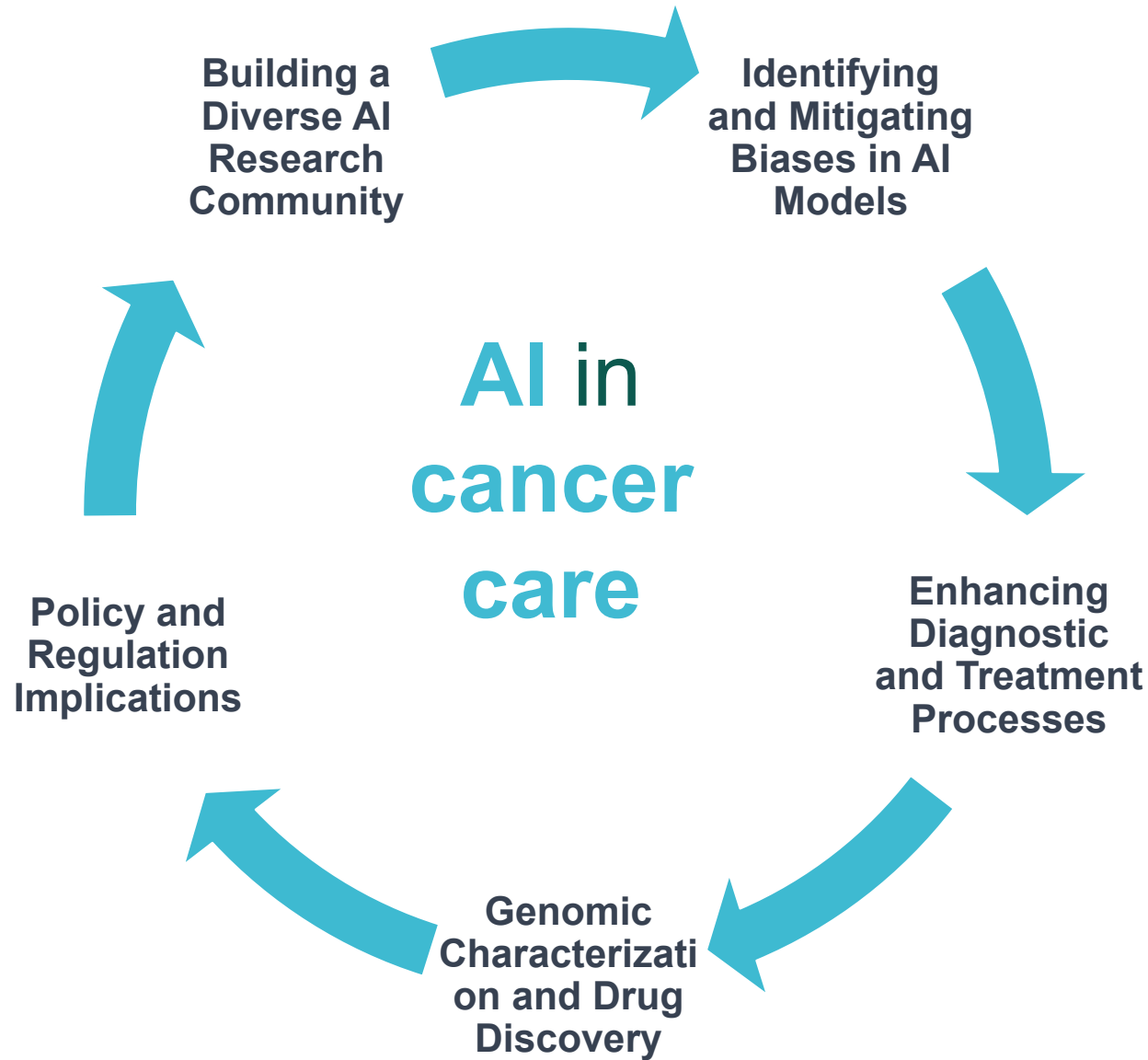
AI algorithms can rapidly analyze complex medical data, leading to more accurate diagnoses and early intervention, especially in areas lacking specialist healthcare providers.

**AI as a Transformative Agent in Reducing Healthcare Inequalities**  
*Areas of potential application*



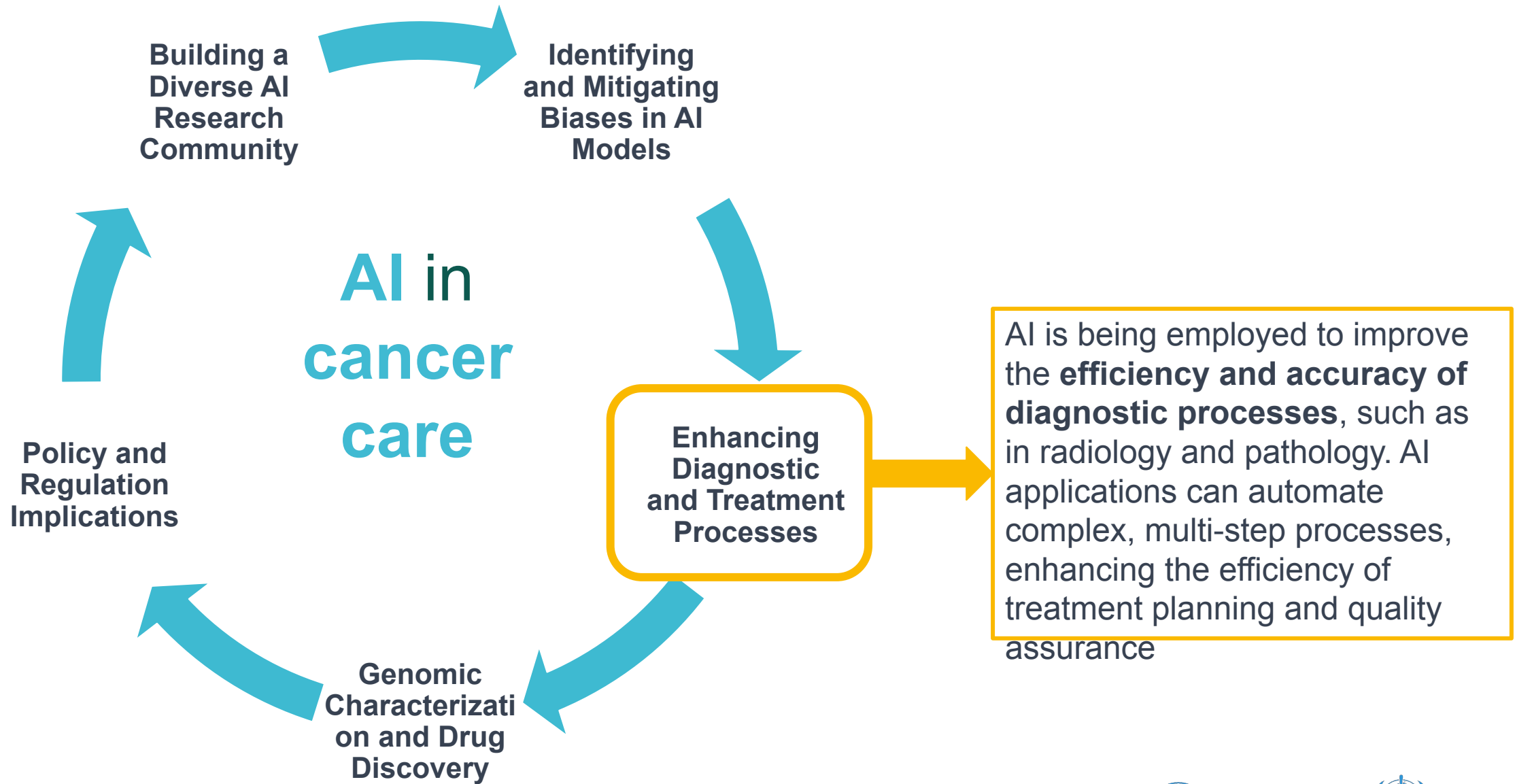
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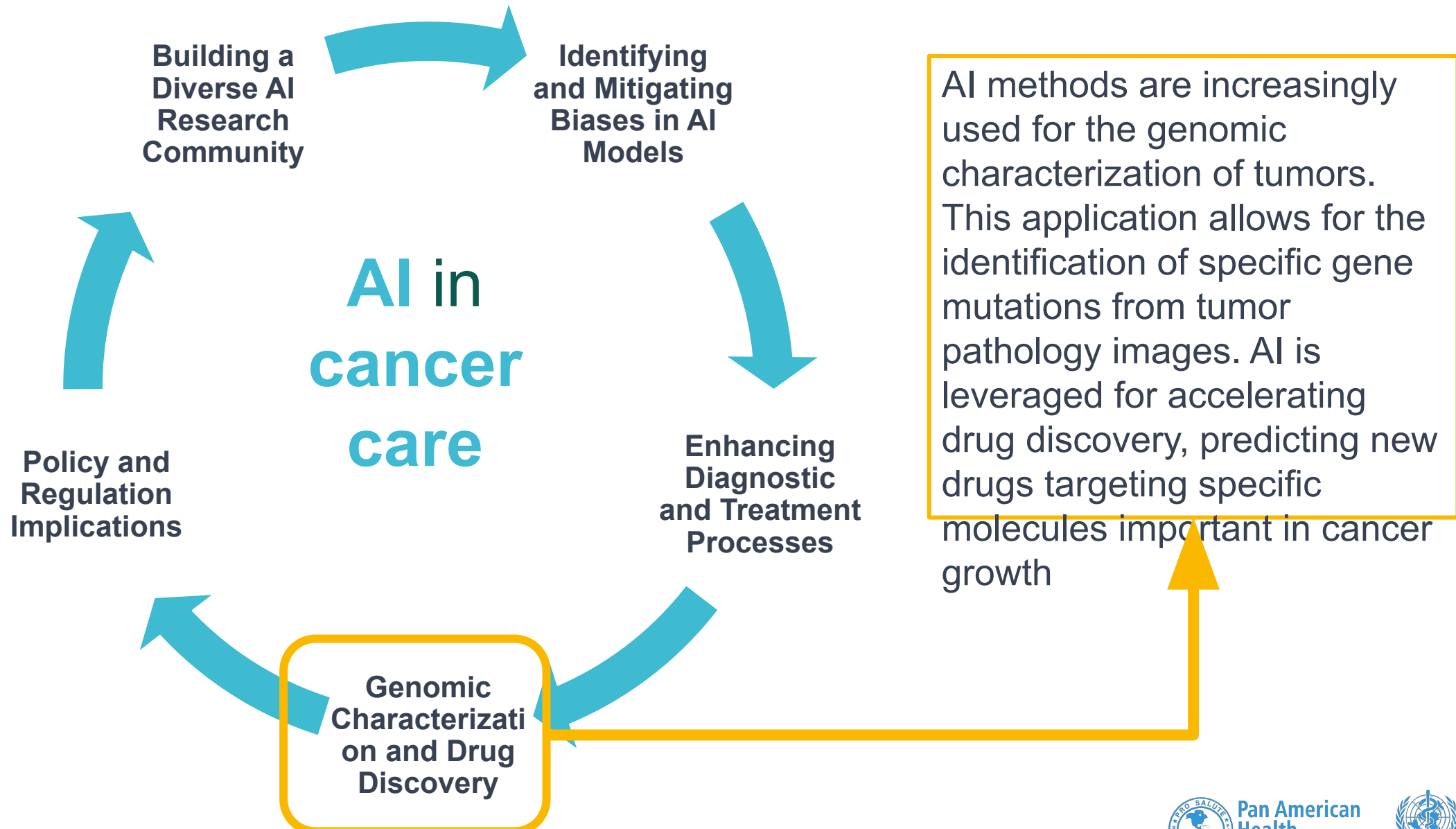
AI-powered tools can provide real-time translation services, making healthcare more accessible to non-native speakers and reducing cultural barriers. These tools can also be trained to recognize and adapt to cultural nuances in patient care.

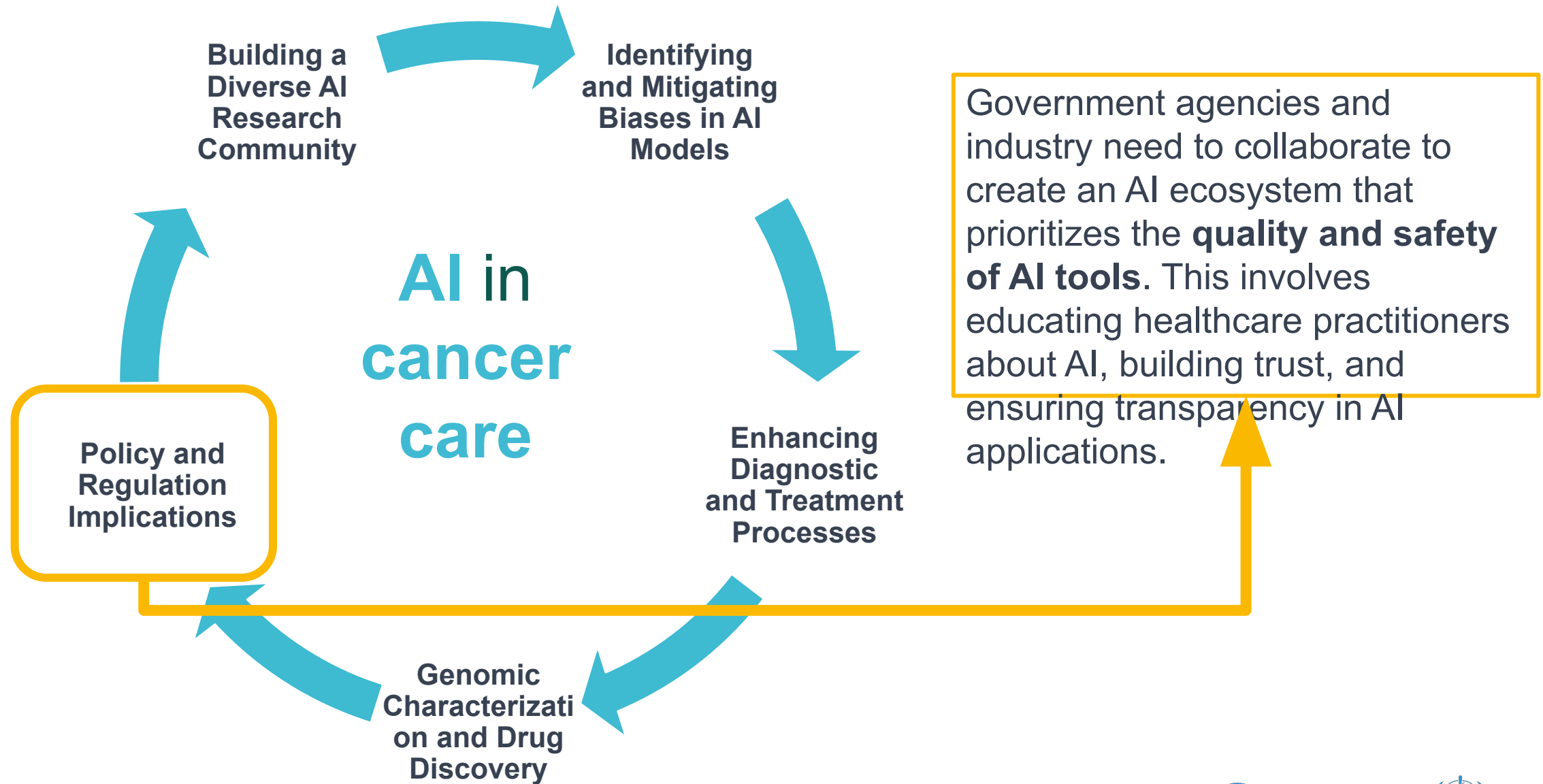


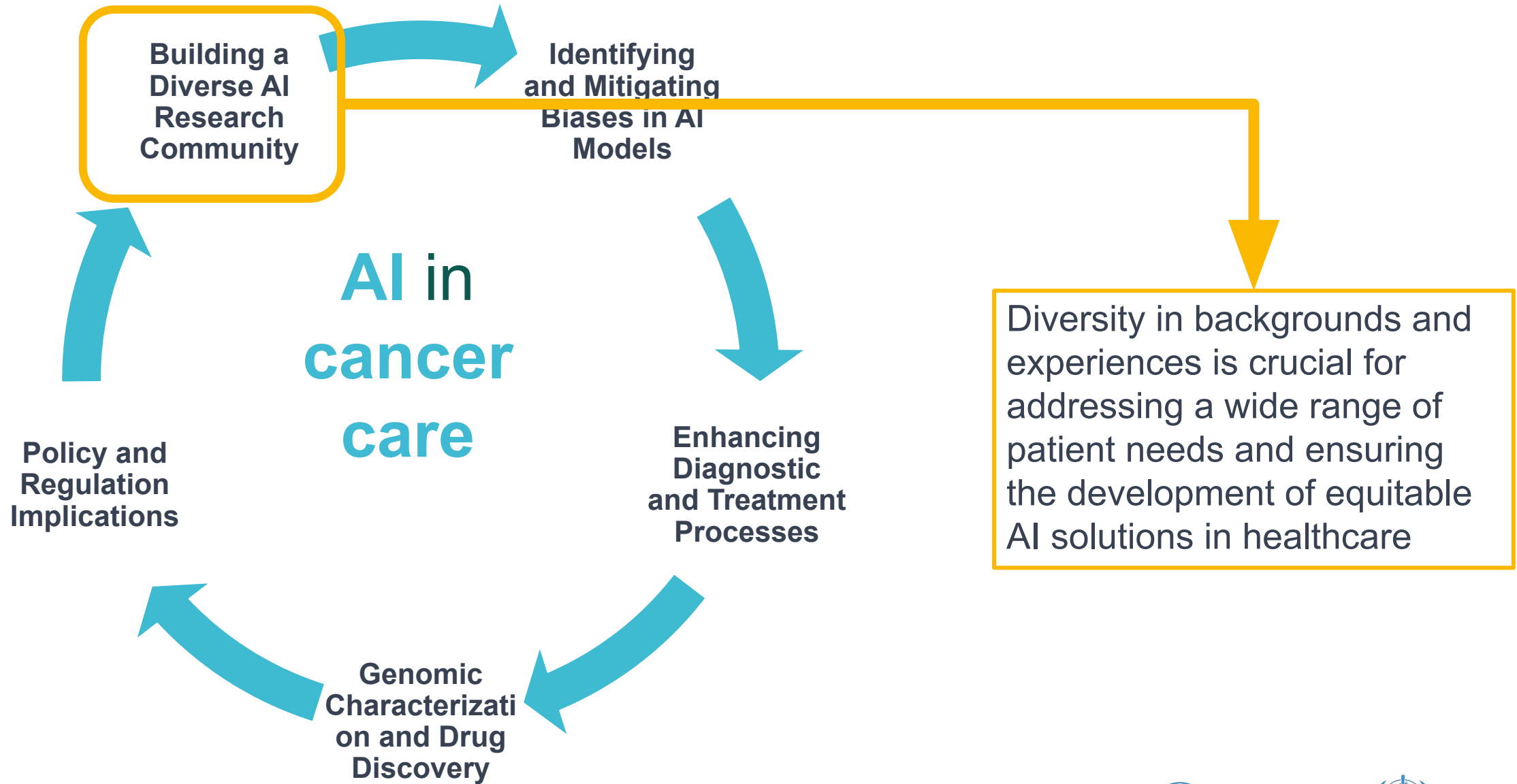
Integrating *AI* technologies in *cancer care* to promote equitable treatment and outcomes across diverse populations

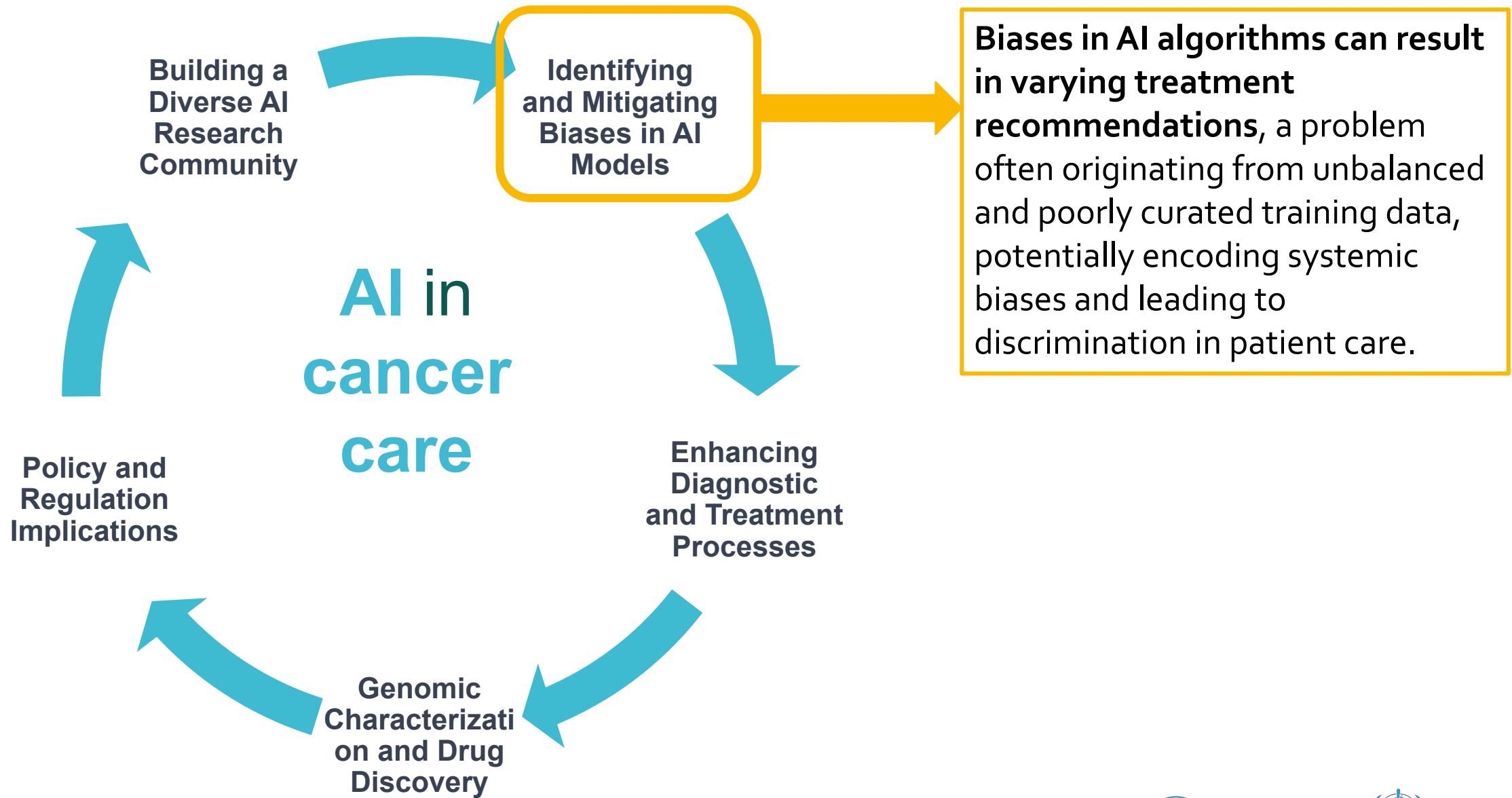


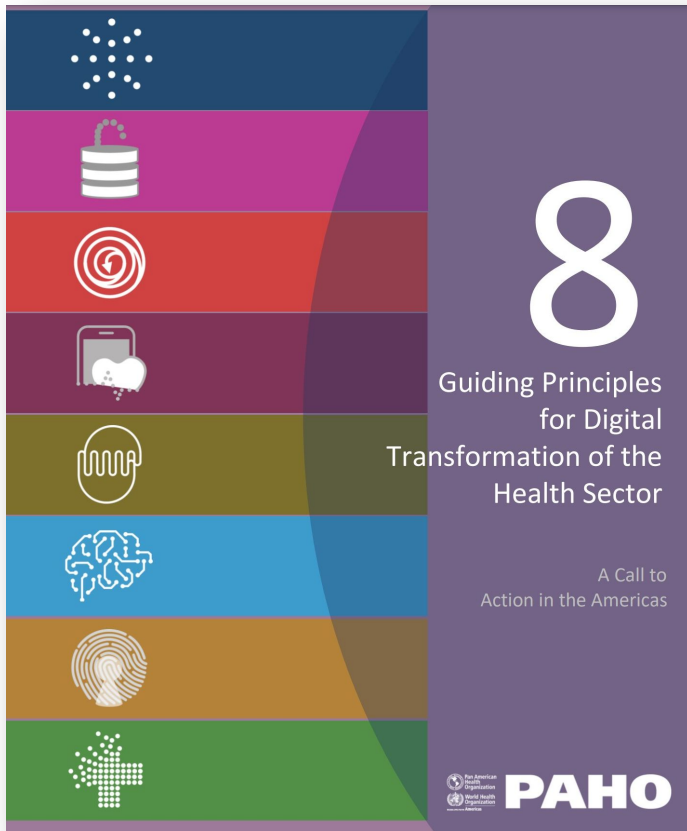






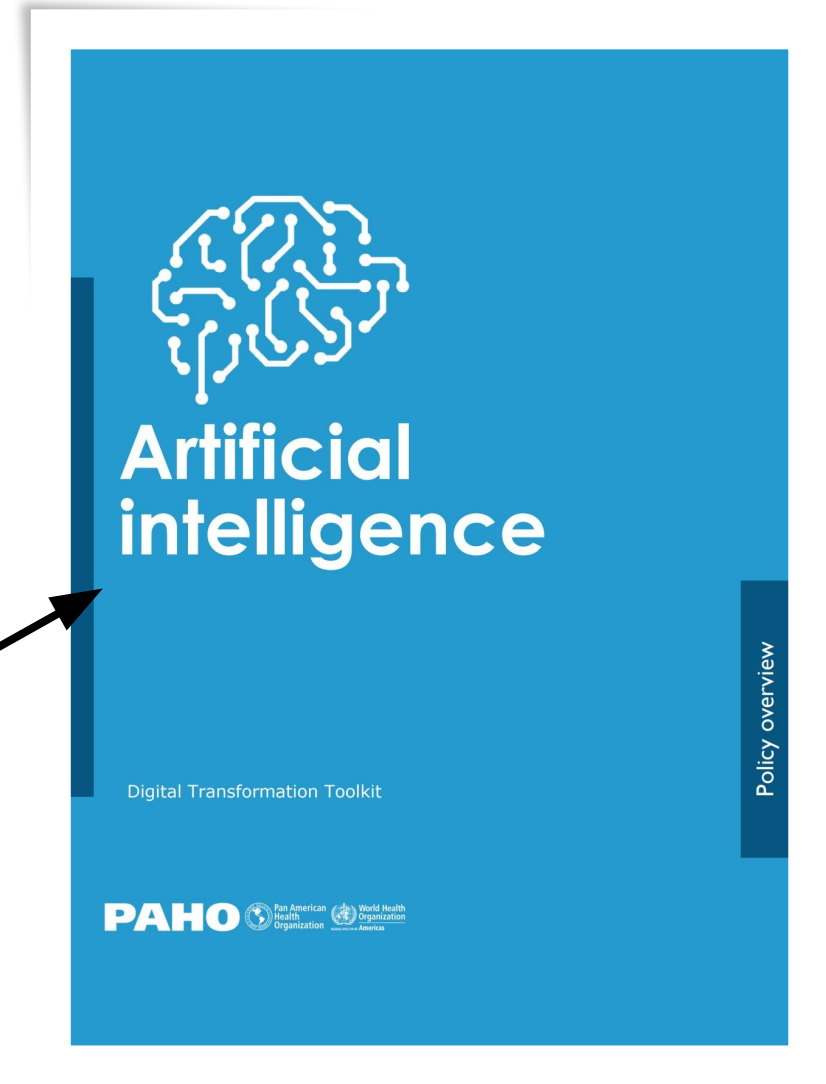






8 Guiding Principles for Digital Transformation of the Health Sector

1	Universal connectivity		Ensure universal connectivity in the health sector by 2030
2	Digital public goods		Co-create digital public health goods for a more equitable world
3	Inclusive digital health		Accelerate towards inclusive digital health with an emphasis on the most vulnerable
4	Interoperability		Implement interoperable, open, and sustainable digital health and information systems
5	Human rights		Mainstream human rights in all areas of digital transformation in health
6	Artificial intelligence		Participate in global cooperation on artificial intelligence and any emerging technology
7	Information security		Establish mechanisms for trust and information security in the digital environment of public health
8	Public health architecture		Design public healthcare architecture in the era of digital interdependence



## PAHO's guiding principles for the use of AI for Public Health interventions

- People-centered
- Ethically grounded
- Transparent
- Data protected
- Demonstrates scientific integrity
- Open and sharable
- Non-discriminatory
- Human-controlled technology



Equity in AI Development:  
Serving All Communities in the  
Technological Era



It is essential that emerging technologies are not shaped only by technology companies and those in wealthy countries. **If models aren't trained on data from people in under-resourced places**, those populations might be poorly served by the algorithms

Global Perspectives in AI:  
Bridging the Gap in Cancer  
Care



Ensuring that AI models incorporate diverse datasets, **including those from less affluent regions, is not just an ethical imperative but a necessity** to provide equitable healthcare outcomes for all.

Data Diversity: The Key to  
Personalized AI in Oncology



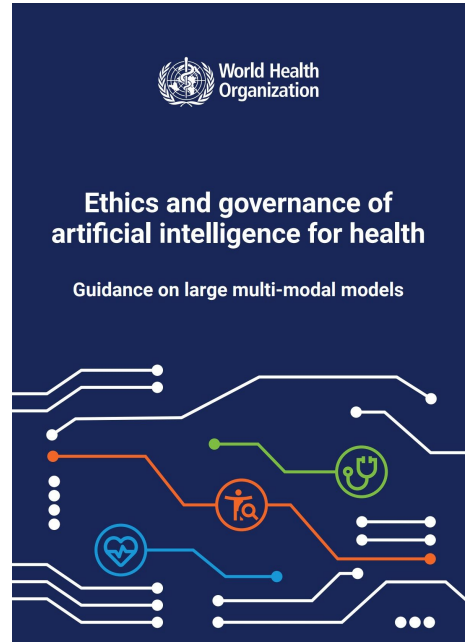
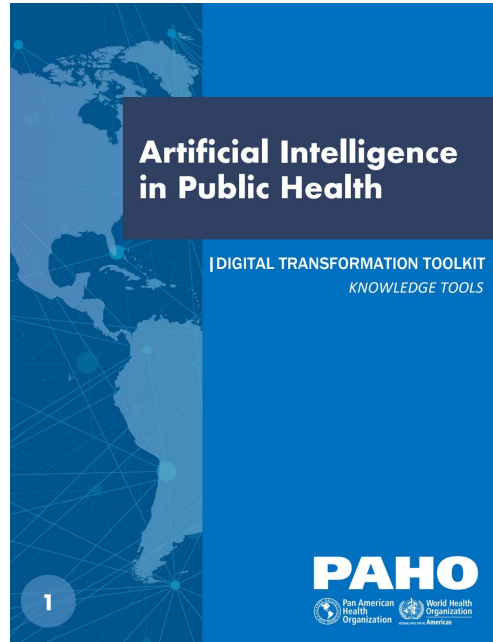
For AI to truly be a force for good in cancer treatment, we must **broaden the scope of data collection** to encompass the varied genetic and environmental factors present in all communities.

Impact on Health Equity in  
Oncology:



AI in oncology can help reduce healthcare disparities, but there are concerns about AI technologies exacerbating bias. Addressing these issues is essential for **equitable integration of AI in cancer research and clinical practice.**





# *Thanks*



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