In the shadow of uncertainty for the future of Generative AI in medicines development:
A collaboration to illuminate the way
DIA Global Annual Meeting 2023 Solution Room
Supplemental Information

Graphic: Current challenges that need to be addressed to ensure the implementation of generative AI for patient benefit

## Regulation

- Reliable regulatory frameworks to ensure clarity and compliance for sustainable AI approaches, encompass scope and expectations
- Awareness of Al integration to address the lack of knowledge on effectively integrating AI into existing workflows
- Promote collaborative conversations and discussions on quality, safety, and efficacy to maximize Al's potential.


## Transparency

- Lack of representative input
- Address misinformation through training and communications
- Incorporate policies to address concerns about job security.


## Trust

- Define data methodology and the accuracy of models to establish trust
- Ensure transparency in model usage
- Avoid undue reliance
- Build story catalogs on how people are using or have already used large language models.


## Ethics

- Enhance societal awareness and stakeholder collaboration
- Maximize patient value and how patients can utilize the results.
- Control patient data rights, privacy, and communication.


## Bias

- Overreliance on generative Al outcomes
- Accuracy of data

Hallucinations (precision error)
Omission (recall error)

- Perception of bias
- Enhance "explain-ability" for efficient human verification.
- Unclear Use Cases.

