

ALLIANCE 1-SLIDE BREAKOUT SUMMARY SLIDE: **STANDARDS** SESSION: **1**

Key elements, next steps, timeline

1. Semantic interoperability
2. Synoptic/structured reporting or annotation
3. Complexity and heterogeneity of WSI datasets
4. Challenges of de-identification
5. Naming conventions and terminologies

Pros for Patient, Clinical, R&D, and regulatory

1. Reduce ambiguities and improve safety
2. Protect patient privacy
3. Enable innovation through data sharing
4. Improve verification and validation

Dataset:  
Images &  
Annotations

Concerns for patients, clinical,  
R&D, and regulatory

1. Failure of de-identification, risk of de-identification
2. Dissatisfaction with current naming conventions
3. Lack of adoption
4. Tribal

Implications and efforts

1. Made up or real data?
2. Patient consent?
3. Data generation
4. Data hosting

ALLIANCE 1-SLIDE BREAKOUT SUMMARY SLIDE: **STANDARDS** SESSION: 2

Key elements, next steps, timeline

1. Agile approach: iterative development and improvement
2. Get something out and see whether it works
3. Different vendors provide DICOM datasets
4. Select ACM test sites that collaborate with vendors to generate datasets on-site

Pros for Patient, Clinical, R&D, and regulatory

1. Using data for algorithm development
2. Reuse of data for different use cases
3. Avoiding the proliferation of viewer applications

Standard  
Database of  
Image Pixel  
and Metadata

Concerns for patients, clinical,  
R&D, and regulatory

1. If narrow scope, how can we ensure that approach generalizes
2. Can we get different stakeholders working together collaborative
3. Data ownership, privacy, liability
4. Neutral broker

Implications and efforts

1. What information should go into a dataset (required versus optional)?
2. Focused/narrow or comprehensive/broad approach?
3. Image pixel data or metadata
4. Input data (images generated by scanner) and/or output data (measurements generated by users or algorithm)?