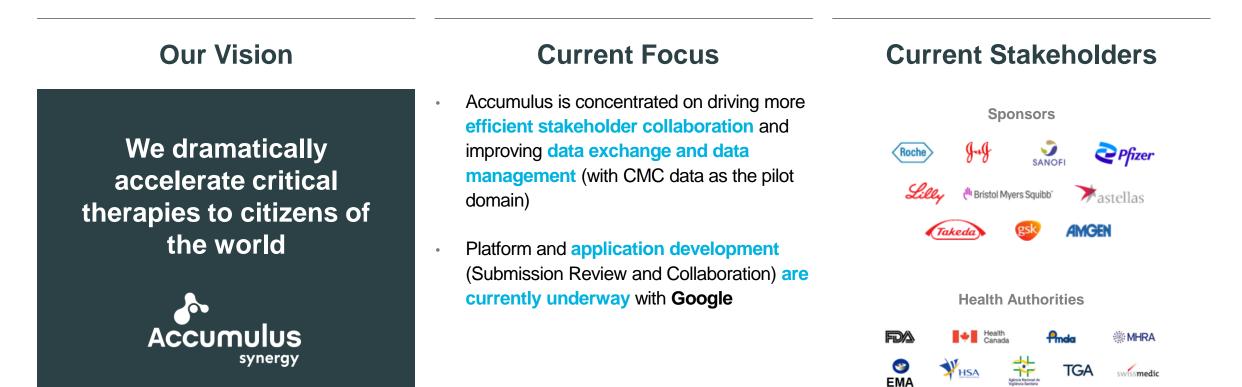


### Accumulus Synergy: Data Exchange within a Cloud-Based Ecosystem

Michael Abernathy, Accumulus Data Exchange Product Owner CASSS WCBP 2022 – "One World One Submission" January 27, 2022

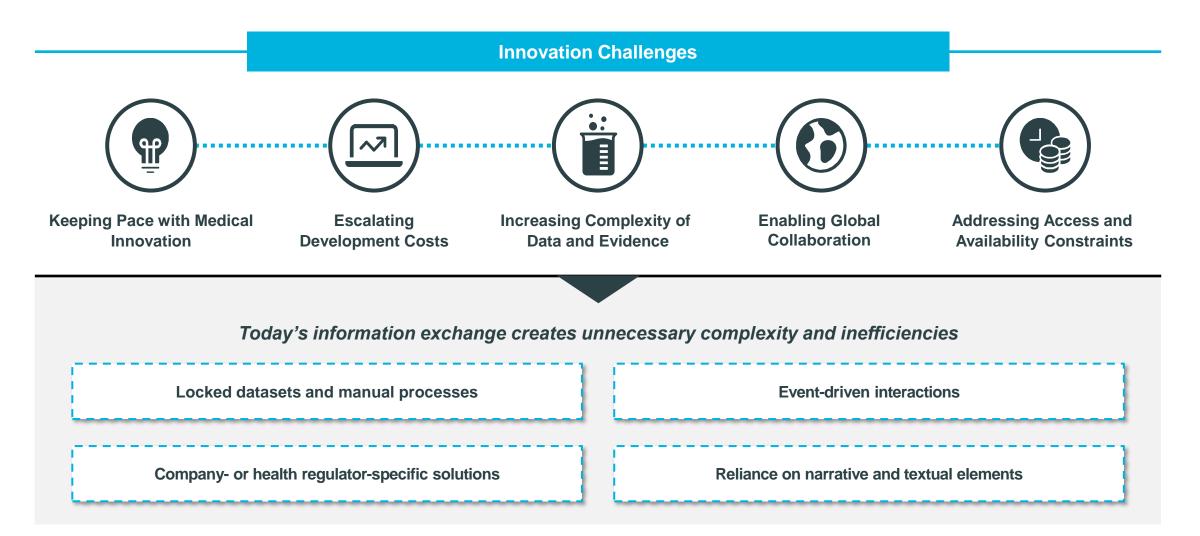


Accumulus Synergy is a non-profit organization dedicated to creating innovative solutions that can reduce regulatory review times and transform global data exchange



#### 2021 ACCUMULUS SYNERGY. CONFIDENTIAL INFORMATION.

Regulators and Industry Recognize that Existing Ways of Working and Information Exchange are Ripe for Innovative Maturity

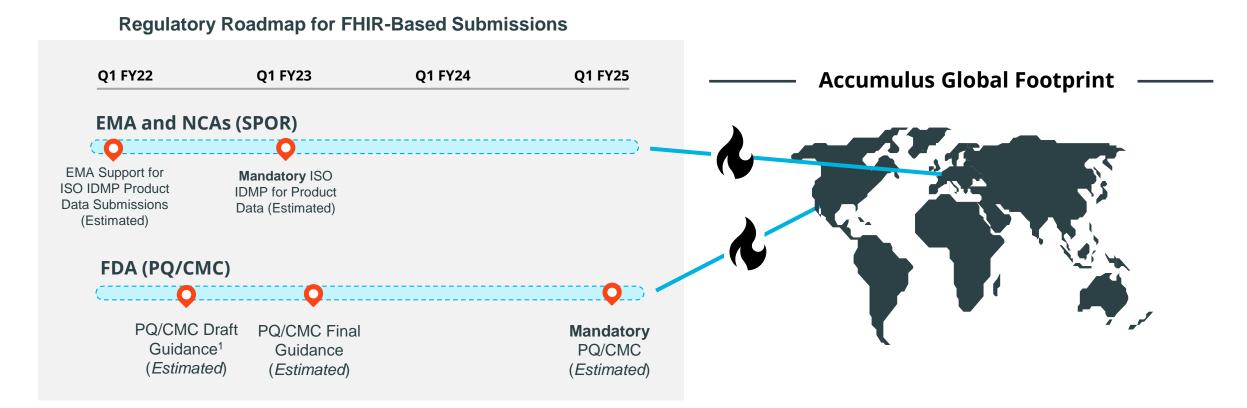


synergy

©2021 ACCUMULUS SYNERGY. CONFIDENTIAL INFORMATION.

Regulators recognize the need for the industry to move towards interoperable, structured data exchange, and are taking initial steps towards implementation

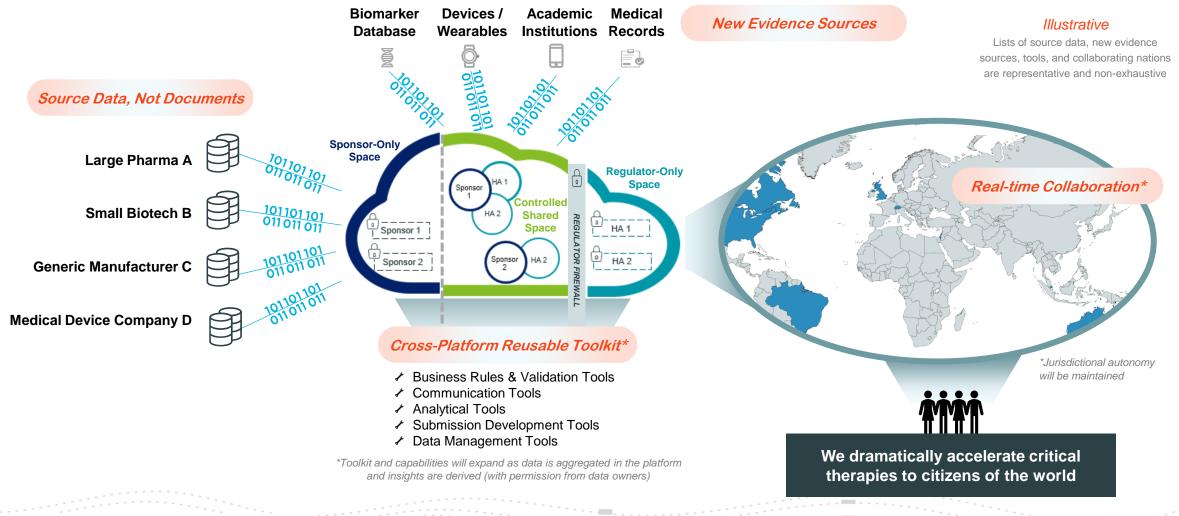




1 https://www.fda.gov/media/147696/download

#### Our Collective Future State Platform Vision

A reimagined information exchange between stakeholders in the healthcare ecosystem can streamline the regulatory lifecycle and facilitate real-time, simultaneous, and global submissions, reviews, and assessments of therapies



### The Vision for Data Exchange

#### We will bring safe and effective medicines to patients faster and more efficiently by reimaging regulatory information exchange

To achieve our vision, we will focus on delivering a cloud platform that allows for exchange of structured data in alignment with changing regulatory needs. The platform will allow customers to:

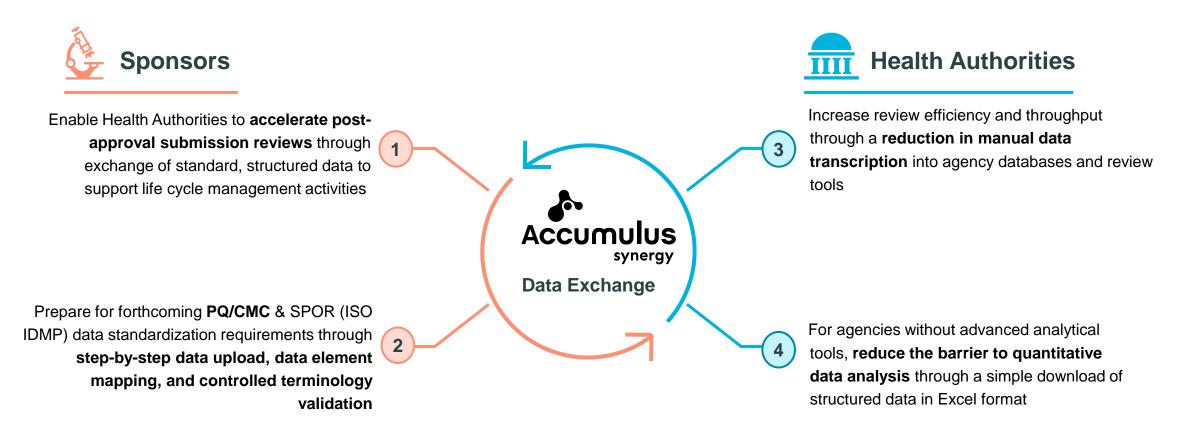
- Store validated regulatory data in a common format
- Automatically map terminology across jurisdictions
- Construct templated filings from common data
- Exchange structured filings with global regulators
- Flexibly import/export data through key integrations



The First Offering for Data Exchange Looks to Provide Value to Both Sides of the Regulatory Information Exchange Paradigm through a Common Data Platform



#### Key Value Propositions

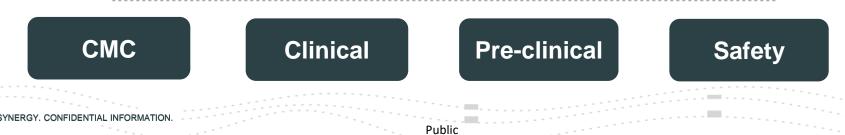


Data Exchange provides a unified platform for flexible, standardized data exchange to enhance regulatory agility and efficiency





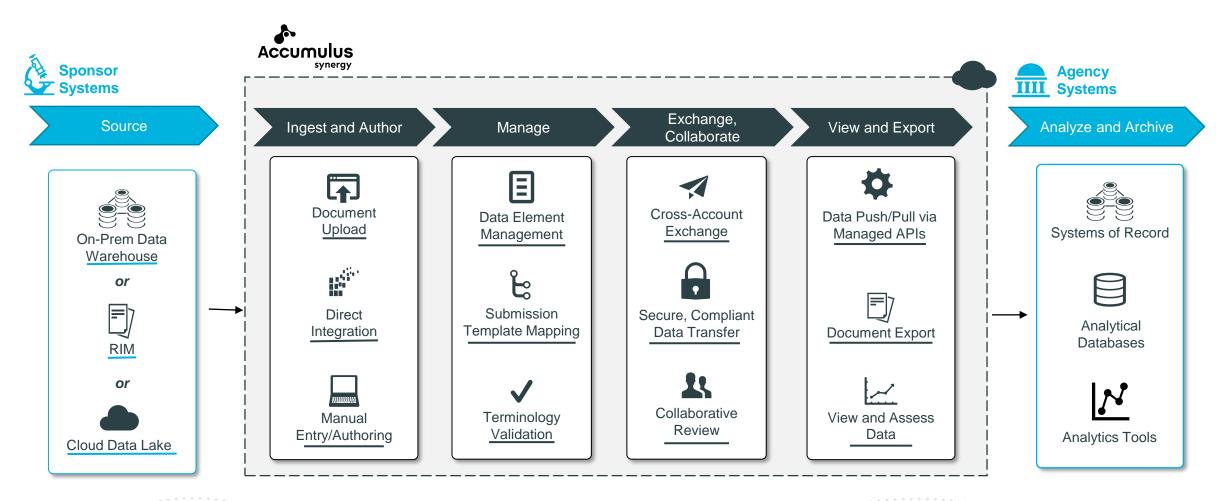
#### Cross-Functional Application and Scalability



### Accumulus Platform Vision

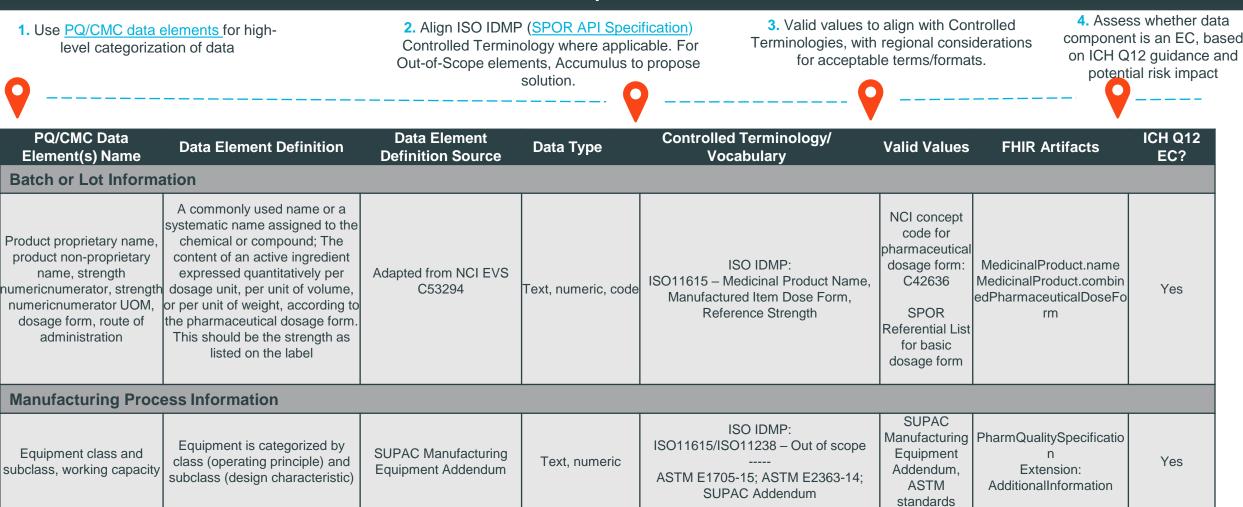


Accumulus provides a managed platform for sponsors and regulators to securely exchange and collaborate on structured regulatory information



©2021 ACCUMULUS SYNERGY. CONFIDENTIAL INFORMATION.

# Accumulus Will Utilize Module 3 Data Mapping to Provide Structure and Standardization for CMC Data Requirements



Accumulus

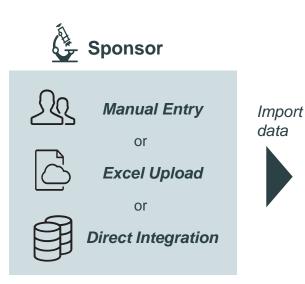
synergy

Data Element Mapping moves us closer to a structured and standardized filing enabling us to leverage technology and automation

## Data is Brought into the System, Assessed to Ensure Quality, and Submitted for Agency Review

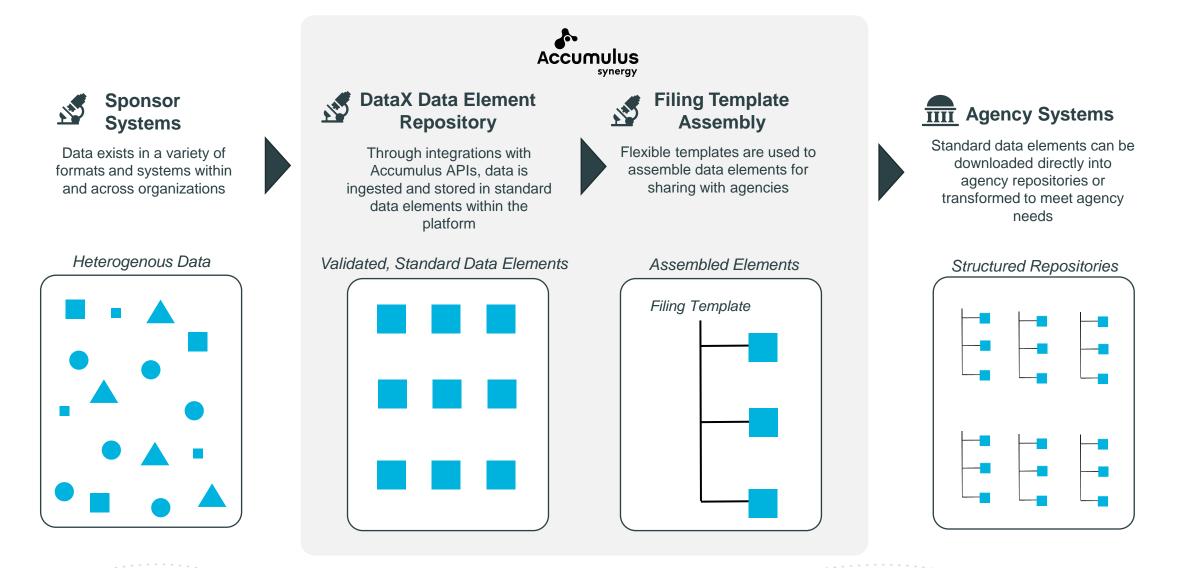


Illustrative



							🖶 Print 🕹 Dow
Batch/Lot Inform	ation + Add Row	V Strength(mg)	BAID 1	BAID 2	Batch Size/unit	Manufacturing Date	Manufacturing Site Name
Code	Text	Numeric	Numeric	Numeric	Numeric	Date 💌	Text
Stability Study	+ Add Row Study Purpose	Study Type	Study Design	Test Usage	Storage Cor	ndition Identifier	Physical Characteri
		Study Type	Study Design	Test Usage	Storage Cor	dition Identifier	Physical Characteri

Through Standard Data Structures, the Platform Allows Sponsors and Agencies to Communicate in a Common Language



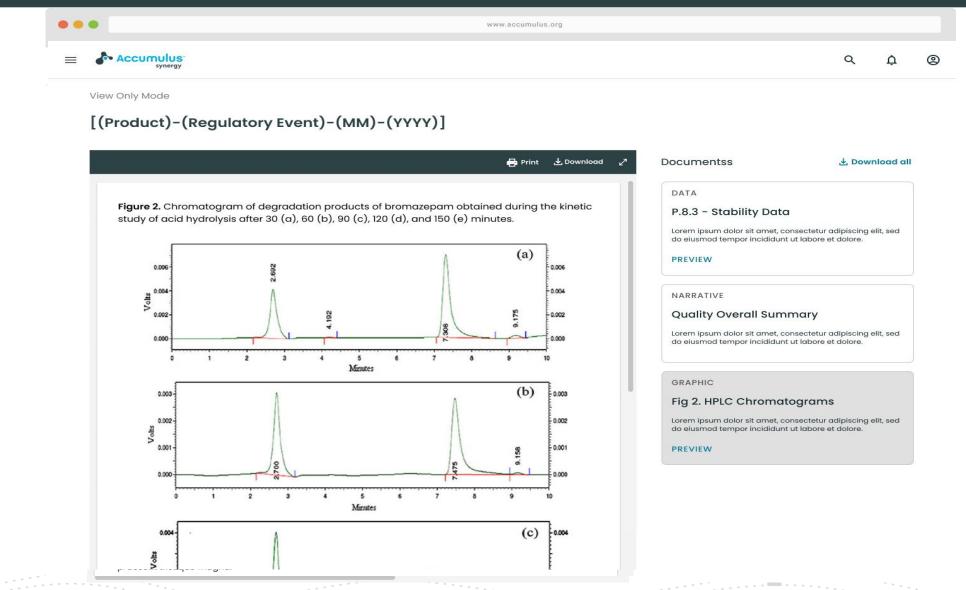
Accumulus

synergy

©2021 ACCUMULUS SYNERGY. CONFIDENTIAL INFORMATION.

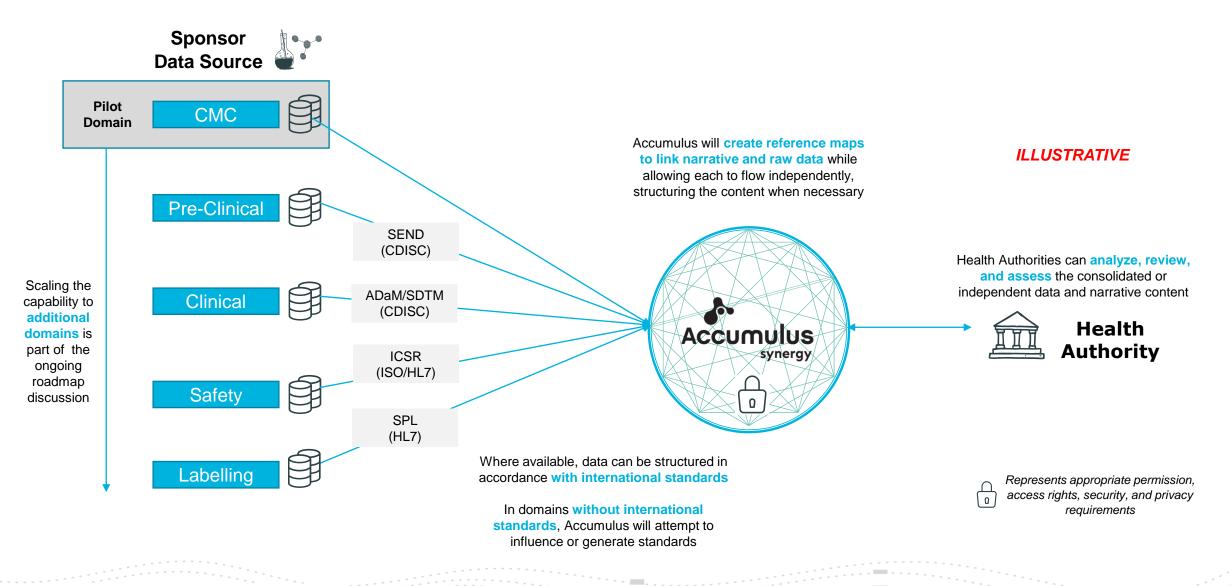
## DataX Supports Visualization of Data, Narrative, and Graphical Content in a "Single Pane of Glass"





## The Data Exchange Solution will Support CMC Data as it's First Data Domain, with a Strong Roadmap to Add Additional Data Sources





2021 ACCUMULUS SYNERGY. CONFIDENTIAL INFORMATION.



### Thank you for the opportunity to present at today's conference. We greatly appreciate your feedback, perspectives and ideas to advance the Accumulus Synergy mission and vision.



Accumulus Synergy, Inc. 1534 Plaza Lane / #210 / Burlingame, CA 94010 accumulus.org