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for Rare Disorders



Rare Disease Cures Accelerator- Data and Analytics Platform Virtual Workshop 2020

Up Next: *RDCA-DAP: Progress to date and future plans*



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C-Path



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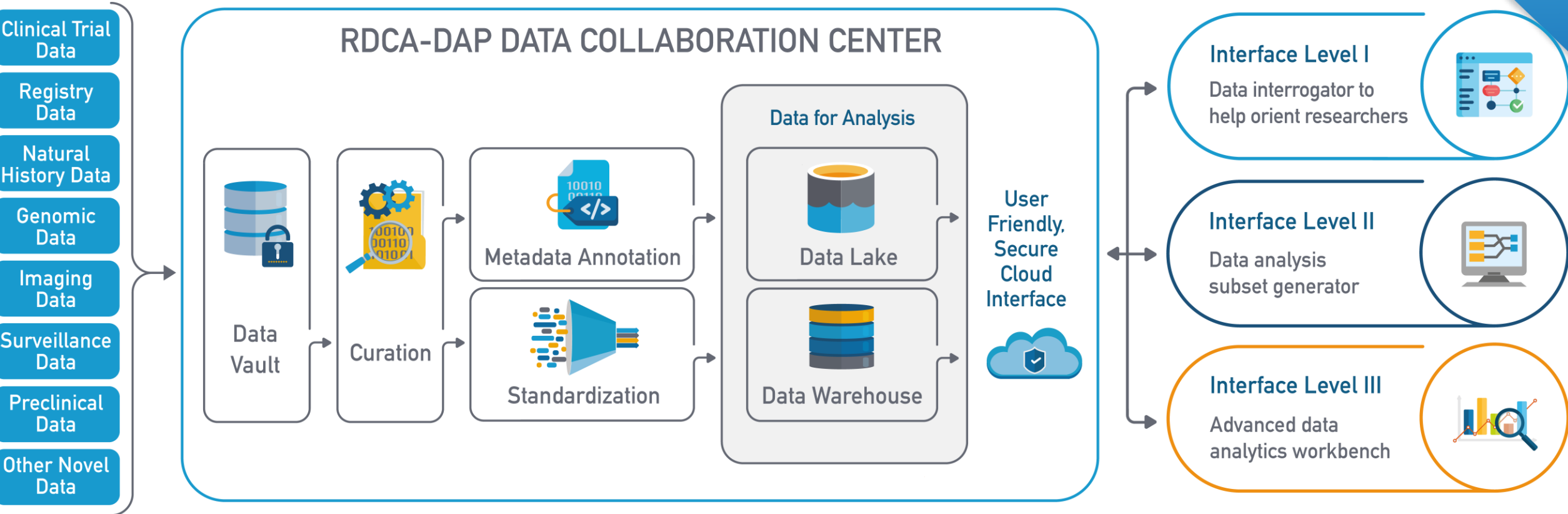
RDCA-DAP: *Progress to date and future plans*

October 19, 2020

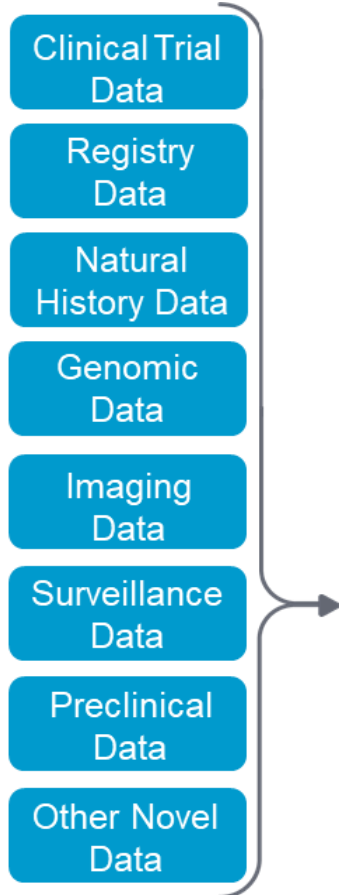


The Rare Disease Cures Accelerator- Data and Analytics Platform (RDCA-DAP) is intended to serve as a neutral, independent **data collaboration and analytics hub to promote the sharing of critically important data across rare diseases** in order to accelerate the understanding of disease progression and optimize clinical trial design.

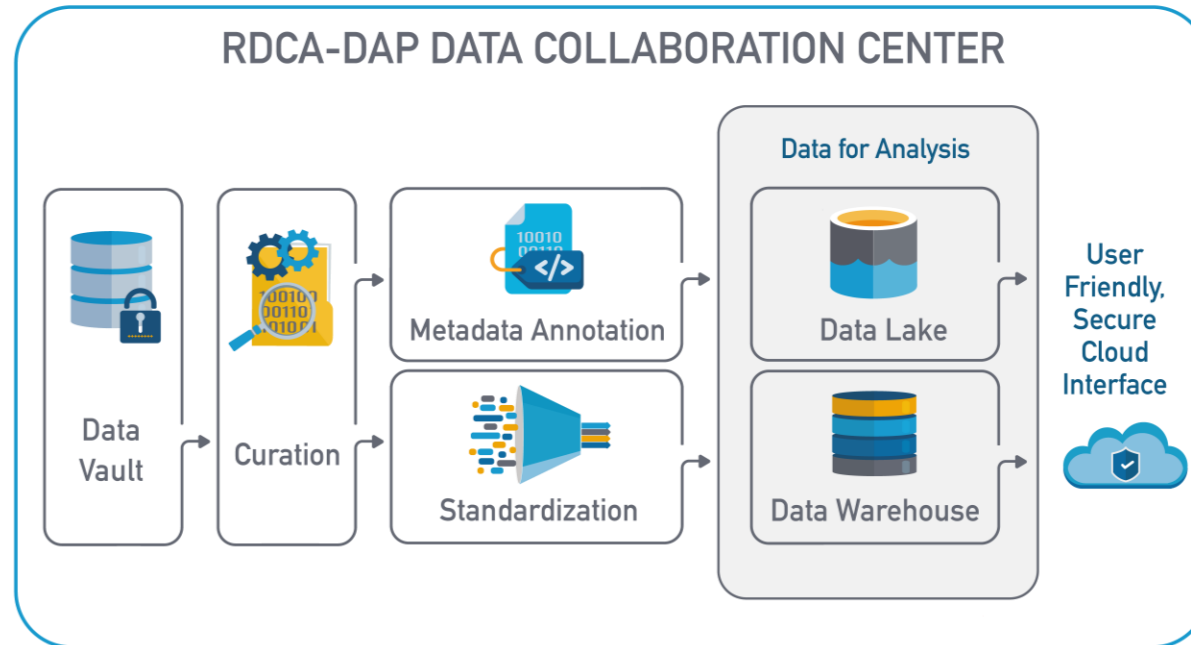
Community engagement
Hundreds of stakeholders



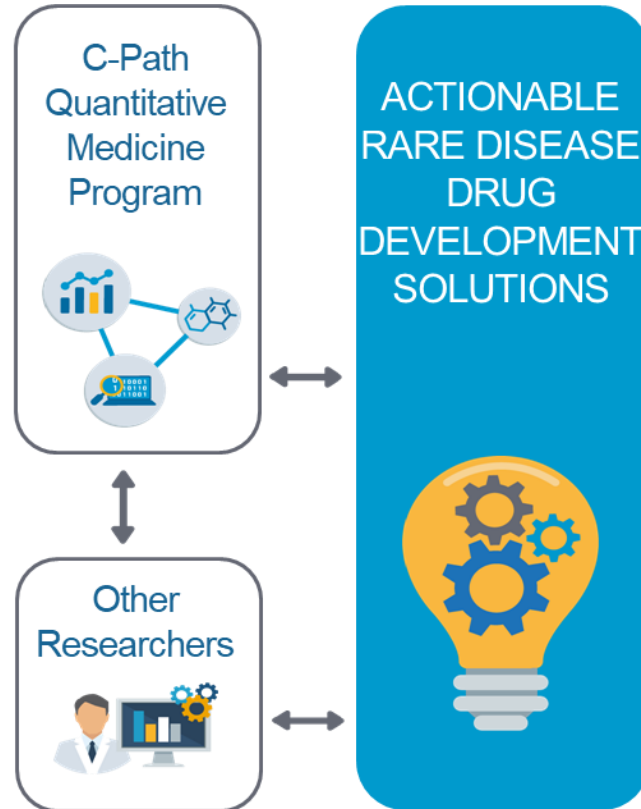
40 rare disease datasets in-house from 10 disease areas	Curation of large amounts of data, new data types	Standards for new data types; how to make the data searchable	Making the data findable, searchable and usable	Platform development and basic analytics	Data governance Pilot analyses
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- Talked with 82 Patient Groups
- Talked with 60 Industry Groups
- Talked with 51 Academic Groups
- Discussions with groups that also collect/integrate rare disease data
 - NIH groups
 - European Joint Programme for Rare Disorders
 - Groups in the Asia/Pacific Region
 - Registry platforms etc.
- Presented to 100's of people through scientific meetings, patient group meetings, webinars etc.
- 13 datasets brought into RDCA-DAP, about 30 agreements under review, plus IAMRARE data



- Agreement with a base platform provider with the ability to support a much more user-friendly cloud database
- Developing processes to curate and standardize different types of data more quickly
- Developing methods to ensure that data is searchable and accessible
- Developing data governance to ensure that data is accessible to the degree permitted, and to maximize data sharing while minimizing hurdles to access data.

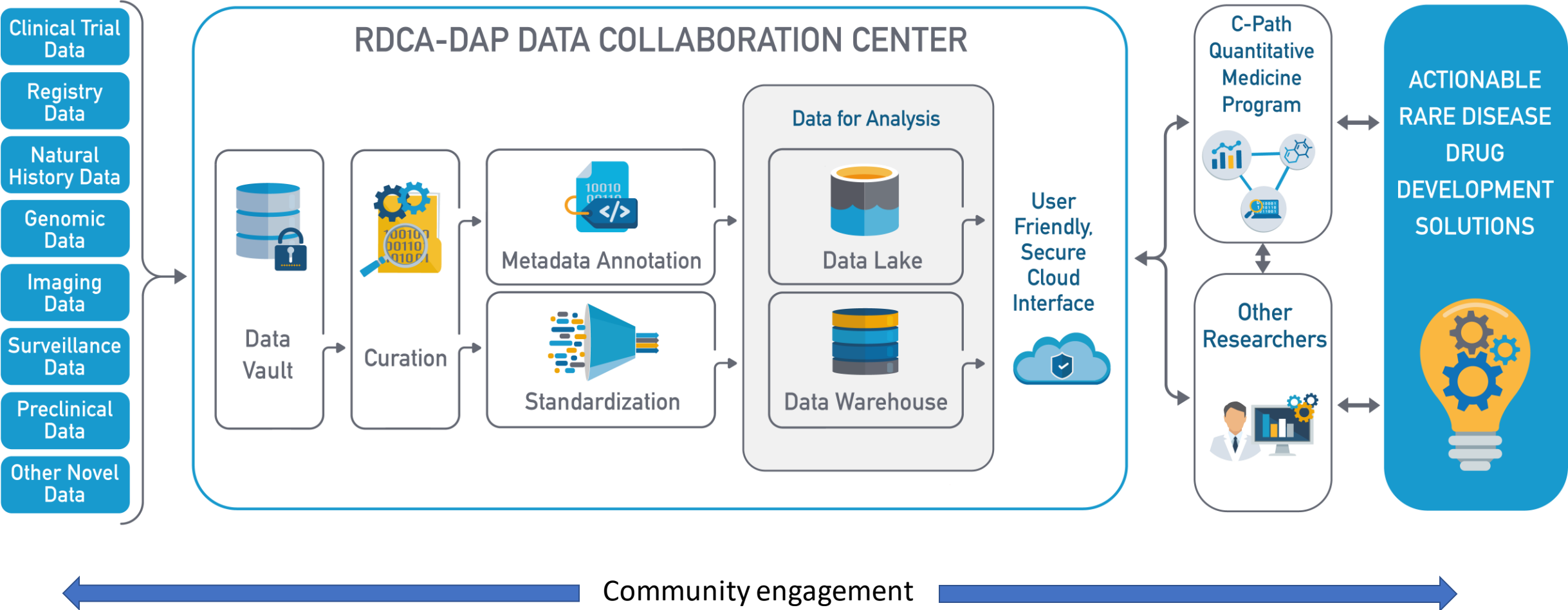


- Harmonization and exploration of data from two disease areas – PKD and kidney transplant
- Polycystic Kidney disease models of disease progression: prediction of time to end stage renal disease based on joint models of two biomarkers
- Analysis of baseline characteristics of patients in the PKU registry from NPKUA
- Dynamics of the modified Friedreich's Ataxia Rating Scale: population variance, placebo affect and clinical meaningfulness

- First instance of the updated Data and Analytics Platform will be available in early 2021
 - Opportunity for first test-users to access the system and provide feedback on available analytics, search interfaces etc.
 - Feedback will be incorporated to further optimize the system



- Addition of datasets and sharing of initial data
 - Data curation and standardization processes will be put in place
 - Feedback on data collections will be provided to data custodians to improve future data collection
- Additional partnerships on new data acquisition
 - Individual datasets
 - APIs to other data collections
 - Integration of multiple datasets in one disease area or related diseases
 - Discussion around tools/analyses that are needed
- Processes for ingestion of new data types will be initiated.
- Feedback from community welcome!





THANK YOU!

Don't forget to answer survey questions.

For more information, email rdcadap@c-path.org

#RDCADAP