

Before We WDQI – Happy International Nurses' Day!

- The culmination of [International Nurses Week](#).
- Proclaimed in by President Nixon in 1974; adopted as cause celebre by New Jersey Governor Brendan Byrne in 1978.
- The birthday of [Florence Nightingale](#), nurse, statistician, public health reformer, policy revolutionary (also the birthday of Kristin's mom, a nurse of whom similar observations might be made).
- Brand new, [COVID-relevant nurse & healthcare sector reports](#) courtesy of the OECD!

***Know a nurse?
You know what to do.***



*“How can I provide for this right thing
to always be done?”*



How A Boost in Data Capacity Helped Rhode Island Respond to the Corona Crisis

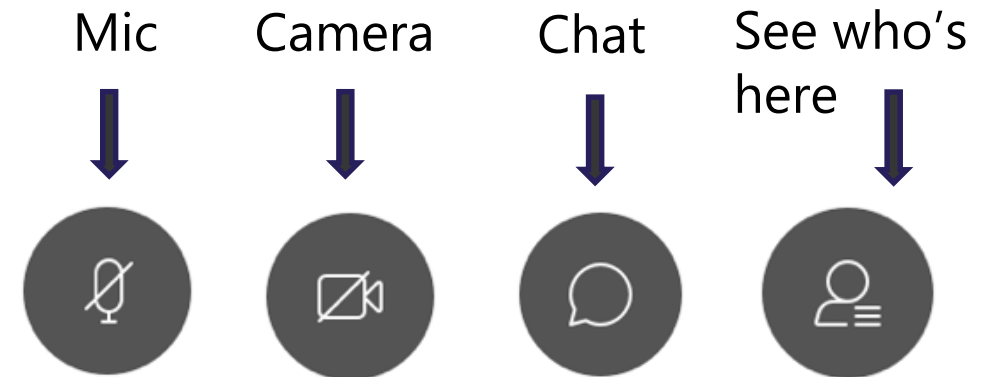
COVID Response Webinar Series
Workforce Data Quality Initiative (WDQI)
May 12, 2020



BrightHive

Before you start

1. We are controlling the mics for all speakers.
2. Type questions into chat.
3. We may call on you.
4. We are recording.
5. You can opt for the Brady Bunch view with the button on the top right.



Stay Tuned for Covid-19 Updates from USDOL Partners

- [DOL.gov/coronavirus](https://dol.gov/coronavirus)
- [Workforcegps.org](https://workforcegps.org) (search COVID-19 or coronavirus)
- [DOL.gov/newsroom/newsletter](https://dol.gov/newsroom/newsletter)
- Federal Project Office (June Webinar)



We're glad you could join today.

Agenda

- A deep breath
- Checking in
- Learning from Rhode Island & RIPL
- Q&A
- June Previews





Take a breath. Then Chat.

How has your data helped your state respond to the Corona Crisis? Cite your example in chat.



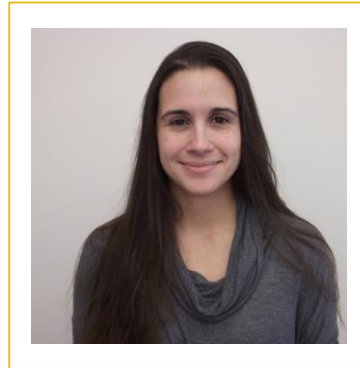
Rhode Island, the CARES Act & PUA

- What happened?
- How?
- What next?



Rhode Island's Enhanced Capacity

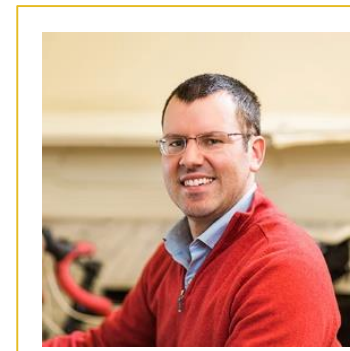
Realizing the returns of long-term
partnerships and integrated data



Amelia Roberts, RI
Data Team



Justine Hastings
Research Improving
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Mark Howison
Research Improving
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Realizing the Value of Integrated Data

- **Develop or improve state workforce longitudinal data systems** to include data from UI wage records, UI benefit claims, training and employment services
- **Enable workforce data to be matched with education data** to create/expand longitudinal data systems beginning with pre-K through postsecondary through entry and sustained participation in the workforce
- **Improve the quality and breadth of the data** in the workforce data systems
- Use longitudinal data to provide useful information about program operations and **analyze the performance of education and employment and training programs**
- Provide user-friendly information to **help customers select the training and education programs that best suit their needs**

Making Integrated Data Accessible and Actionable



Promote further systems integration for better policy analysis and public transparency



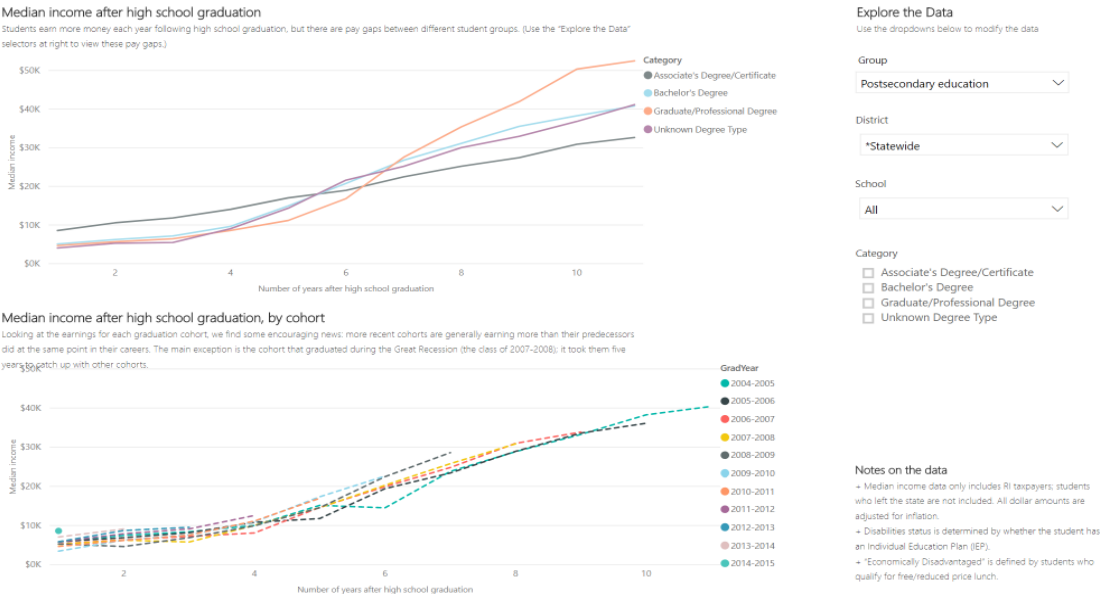
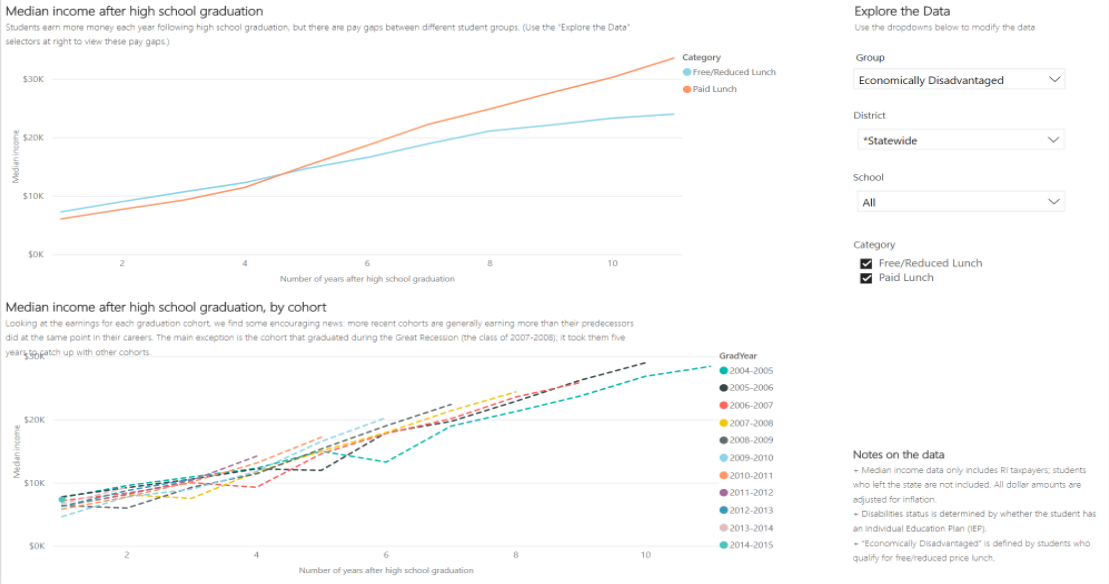
Analyze the trajectory of residents as they move along the education to workforce continuum



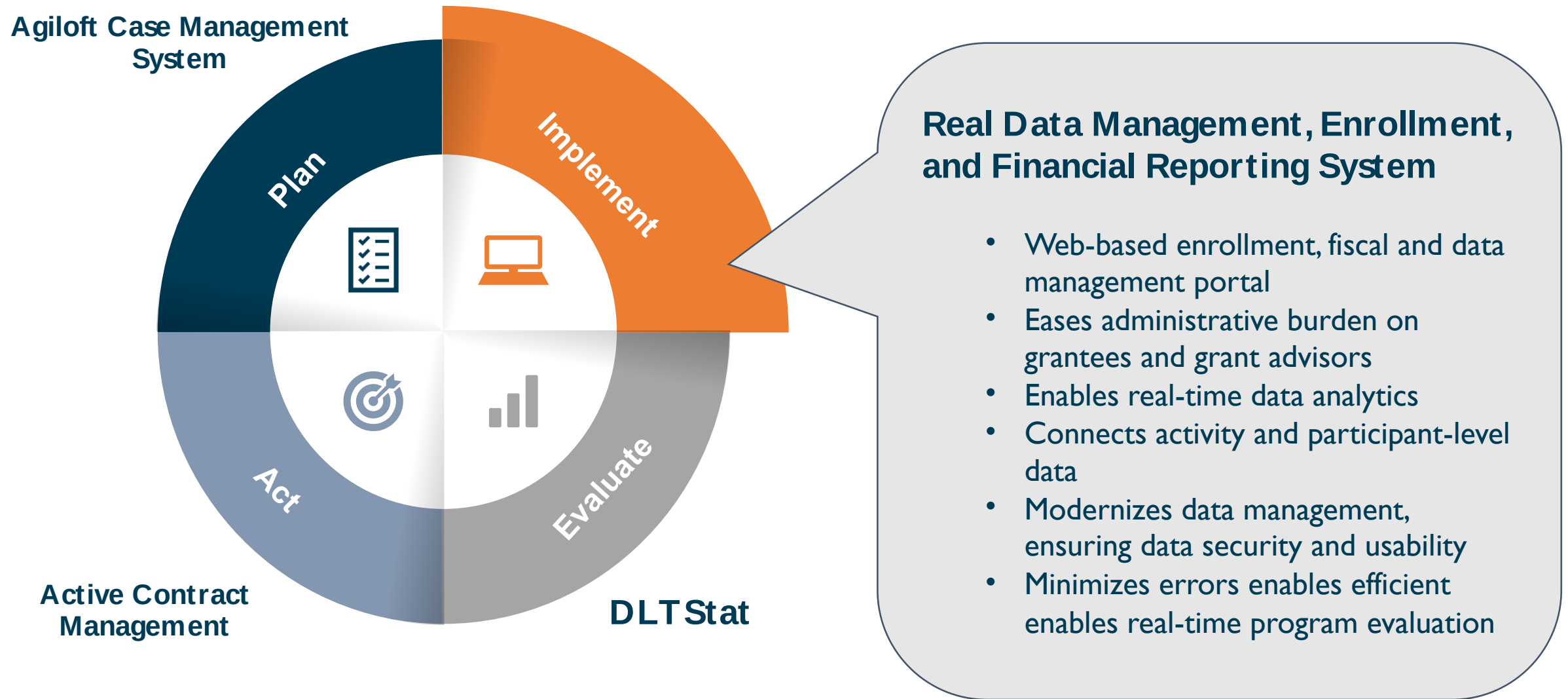
Track real-time metrics that reflect progress and measure the impact of programs



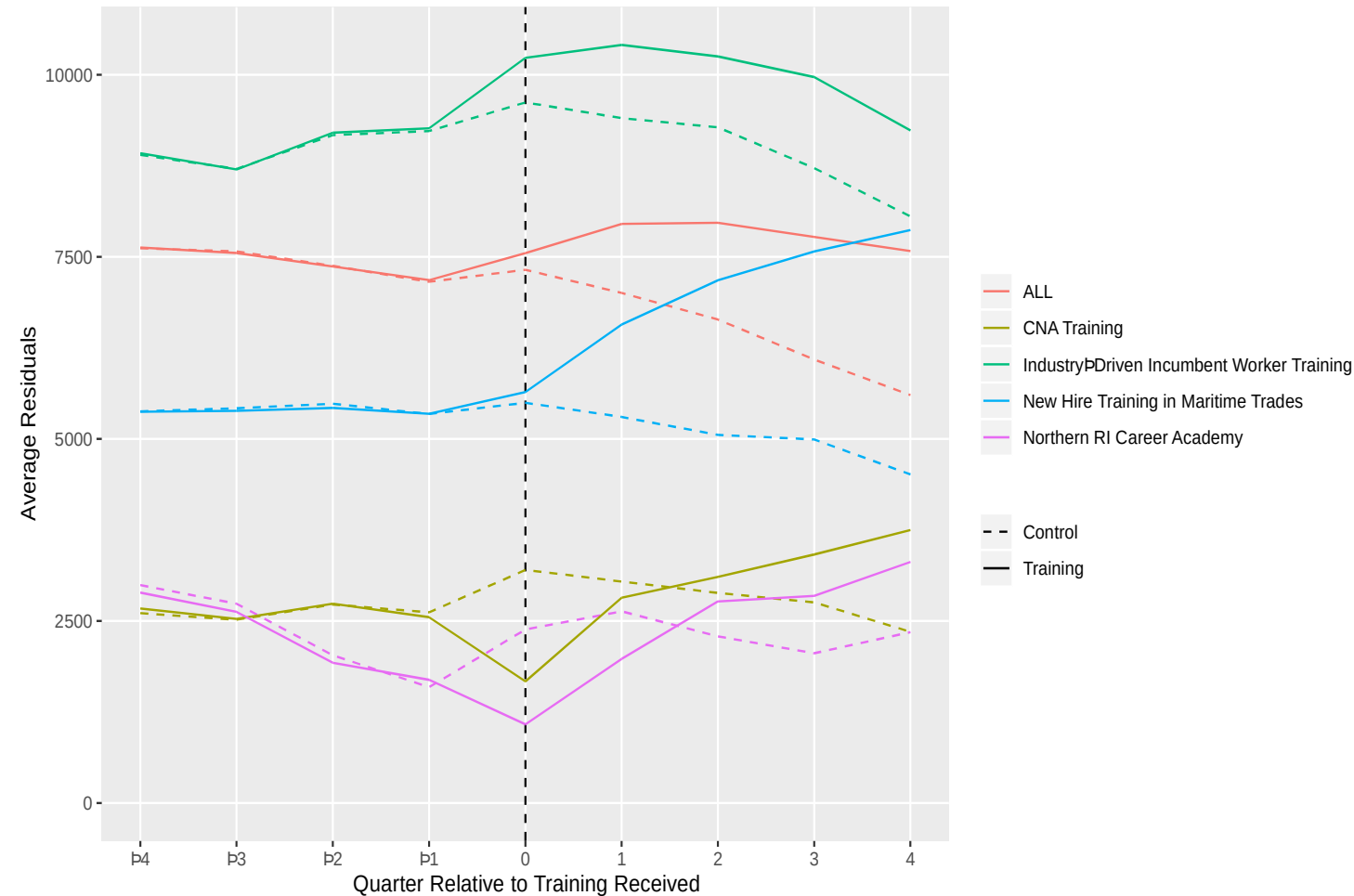
Yield reports and visualizations that policy makers and practitioners can use to make evidence-based decisions



Building Solutions to Support Data-Driven Policy



Partnering with RIPL to Measure Return on Investment



	Average Treatment Effect	Treatment Individuals	Control Individuals
All Programs	\$975.00*** (\$168.00)	3,009	162,736
Programs with Highest Enrollment			
Industry-Driven Incumbent Worker Training	\$522.00** (\$235.00)	784	31,853
New Hire Training In Maritime Trades	\$1,144.00*** (\$376.00)	556	37,462
Northern RI Career Academy	\$1,012.00 (\$1,201.00)	85	11,049
CNA Training	\$642.00* (\$350.00)	75	11,653

Notes: *** denotes statistical significance at the 1% level. ** denotes statistical significance at the 5% level. * denotes statistical significance at the 10% level. Column 1 reports the average treatment effect. Column 2 reports the number of individuals ever enrolled in a Real Jobs program. Column 3 reports the number of individuals that have at least one wage observation in RI in four quarters prior to enrollment.

How RI Rapidly Scaled to Address High Volume of UI Claims

The previous record week for Rhode Island was 5,300 claims – during a banking crisis in 1992.

In the whole year of 2009, the height of the Great Recession, Rhode Island had about 139,000 people drawing UI benefits.

Rhode Island's entire workforce is 566,605 people.

In February 2020, Rhode Island paid 2,700 claims.

On the first Sunday of the COVID-19 crisis, we certified 8,179 people — a huge number for RI.

Since the start of the COVID-19 crisis, we have beat that weekly record in one day 12 times.

In just the first 5 weeks of the COVID-19 crisis, RI already had 144,000 UI claims.

As of May 4, RI had reached its 200,000th initial UI claim – 35% of the state's workforce.

In April 2020, we paid more than 72,000 claims.

On Sunday, April 26th, we certified 90,486 people.

RIPL: Using Data, Science, Technology to Improve Policy and Lives with State and Local Government

RIPL is a technology non-profit led by faculty scientists and policy experts:

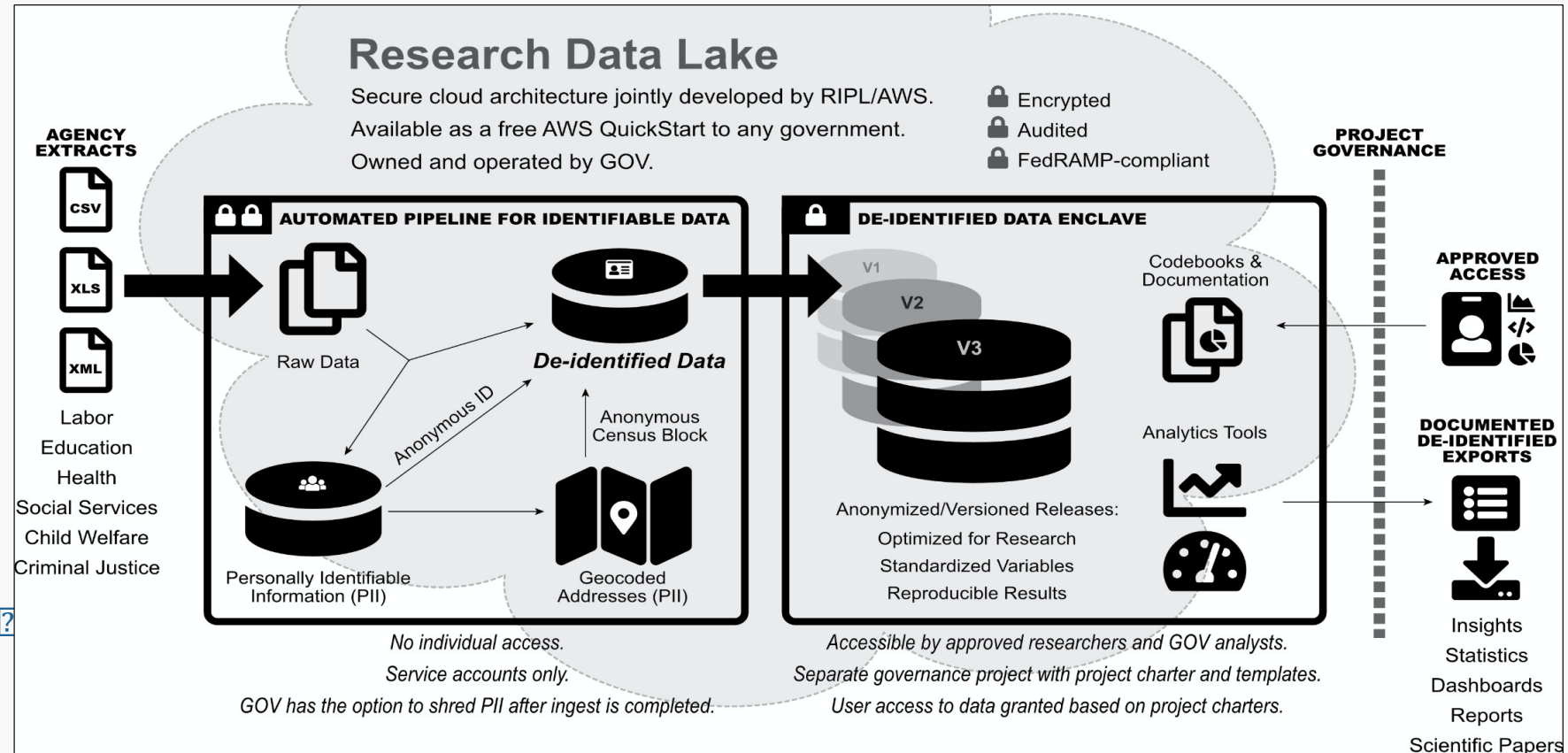
- We work closely with government leaders, form cross-sector partnerships, to solve policy problems with data, science, & technology.
- We integrate research with data infrastructure creation, delivering scalable, sustainable, measurable policy improvements.

National Science Foundation Future of Work Project:

- RIPL scientists measure returns to training and reskilling programs with administrative data.
 - Provide these measures in easy-to-use web and mobile interface.
 - Workers can make informed choices to gain valuable skills, and policy leaders can know which programs work and invest in them.
- Gov partners own the data, platform, software going forward, for continued improvement & insights
- The result is better opportunities and outcomes for all workers per dollar spent on training.

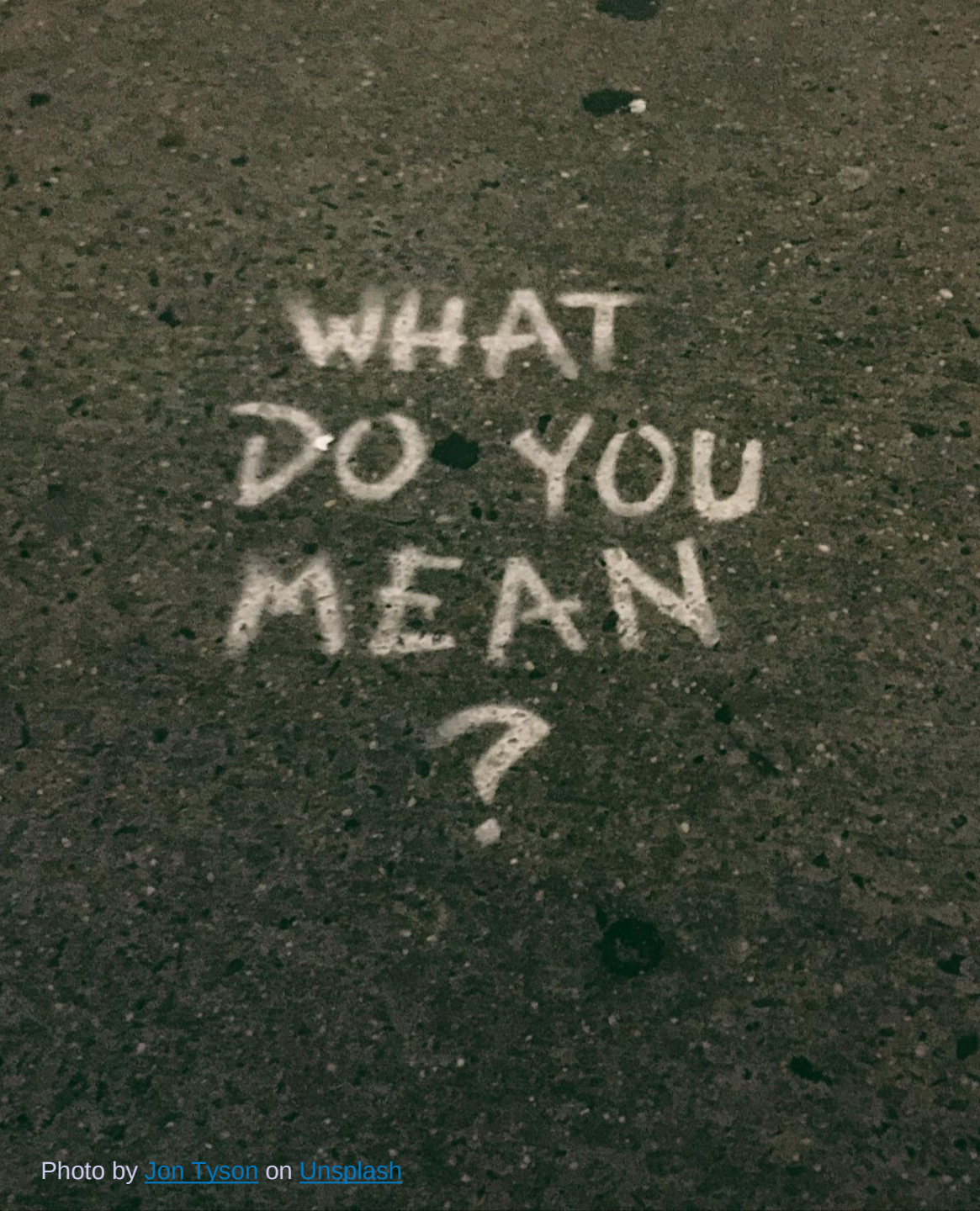
A deep dive on the technology and implementation of a Research Data Lake (RDL)

1. Bringing data into the system for 360-degree insights.
2. Secure cloud hosting and ownership.
3. Automated pipeline for integrating and anonymizing data.
4. Creating a de-identified data enclave for research at the speed of policy.
5. Governance process to manage access and facilitate research partnerships.



An RDL leverages the security, scale, and cost-efficiency of cloud services to create & deliver evidence-based policy

- RIPL's secure, cloud-based enclave runs on AWS.
- The cloud infrastructure is **FedRAMP-approved** and designed to be **FISMA, HIPAA, and FERPA-compliant**.
- Data **never leave** government custody. Automatic algorithms separate out PII at point of data ingest and generate a **global anonymous ID** used to join records about an individual across datasets (learn more [here](#)).
- Government **always controls who accesses data**, down to the field and variable level.
- Best-in-class firewalls, encryption, and auditing tools all **keep data where they belong**.
- **Pay-as-you-go** means that government pays only for computing time and storage **it actually uses**.
- **End-to-end policy development and delivery** through partnerships with scientists and researchers and integrated, government-owned platform.
- **Science-as-service** module supports evidence-based policy for broader non-profit and for-profit communities serving people in need.
- **Legal templates, a DDPS manual and a ready-made project charter process** set up a formal application process and governance committee to foster productive partnerships.
- **Automated code books, data dictionaries, membership in community of practice** improves learning through easy-to-use data and technology.



Q&A (use chat)





Before we go

- Post-webinar survey
- Round VII Podcasts
- June Round VI showcase webinar
- Give us (and each other) a shout!
- Thank you for the work you do every day.

Learn more about RI/RIPL

- [Fact-Based Policy](#), A Hamilton Project Brief
- How the RI/RIPL Partnership Made RI A Leaders in Delivering CARES Act Benefits ([Governing Magazine](#), [RIPL Brief](#))
- [Glimmer of Hope](#) (WHYY Interview with Governor Raimondo)
- [Unlocking Data to Improve Public Policy](#)
- How Rhode Island Scaled to Handle UI ([Webinar](#))

You know where to find us!



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