



Advancing Data Modernization Roadmaps with a Sustainability Lens

BY PHIG PARTNERS



SHAPING TOMORROW'S PUBLIC HEALTH TODAY.



What areas of sustainability are you most interested in learning more about?

- ⓘ The Slido app must be installed on every computer you're presenting from

Agenda

1. Introduction
2. Sustainability planning in the current landscape
3. Panel discussion: Speaker perspectives on sustainability planning
4. ASTHO's DMI sustainability planning toolkit
5. Q&A

Session Speakers



Chris Brueske
(moderator)
Director of Office of Data
Strategy and
Interoperability
*Minnesota Department
of Health*



Emma Spencer
Director of Division of
Public Health Statistics
and Performance
Management
*Florida Department of
Health*



Jesse Cushman
Unit Administrator, Data
Modernization Director
State of Nebraska

Session Speakers



Derek Vale
Chief Data Officer
*Hawaii Department of
Health*

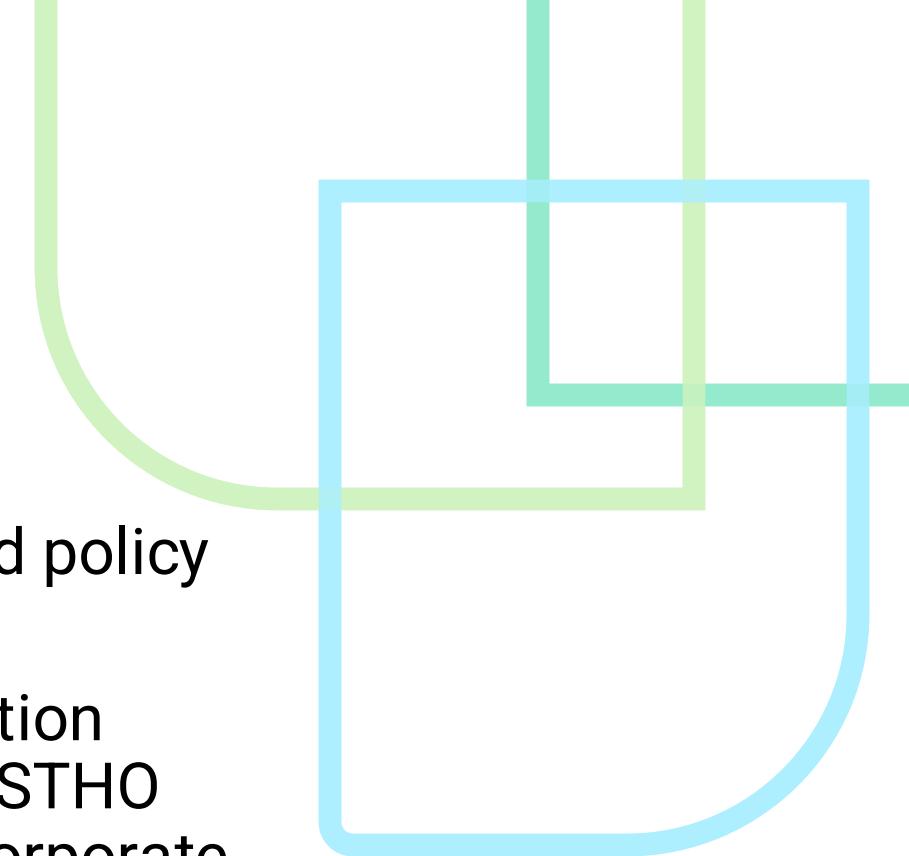


Jonathan Johnson
ELC Integration Software
Architect
*Hawaii Department of
Health*



Paul Messino
Director of State Health,
Principal Researcher
Mathematica

Session Learning Goals

- 
1. Develop understanding of the importance of sustainability planning in the current funding and policy landscape
 2. Learn about a publicly available data modernization sustainability planning resource developed by ASTHO and Mathematica and how it can be used to incorporate sustainability planning into data modernization roadmaps
 3. Learn about public health agency approaches to integrating sustainability planning into data modernization efforts

Sustainability Planning in the Current Landscape

What is sustainability?

- Sustainability is the process of ensuring that a project can be fully integrated into ongoing operations to benefit diverse interested parties
- Sustainability is not just funding
- Sustainability includes interdependent domains

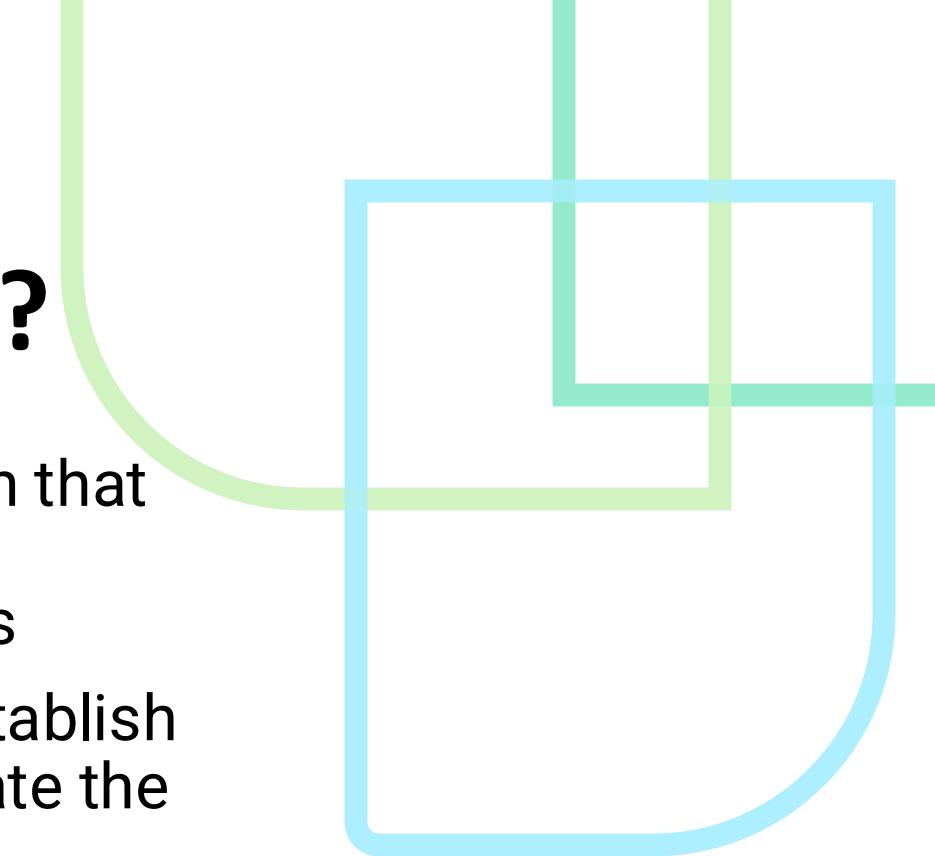
Johnson, Knowlton, C. Hayes, H. Center, C. Daley. "Building capacity and sustainable prevention innovations: a sustainability planning model." *Evaluation and Program Planning*, vol. 27, 2004, pp.135-149.

Sustainability domains

1. Administrative structures and formal linkages
2. Ownership
3. Champions and leaders
4. Resources
5. Administrative policies and procedures
6. Relationships with interested parties
7. Monitoring and effectiveness

What is sustainability planning?

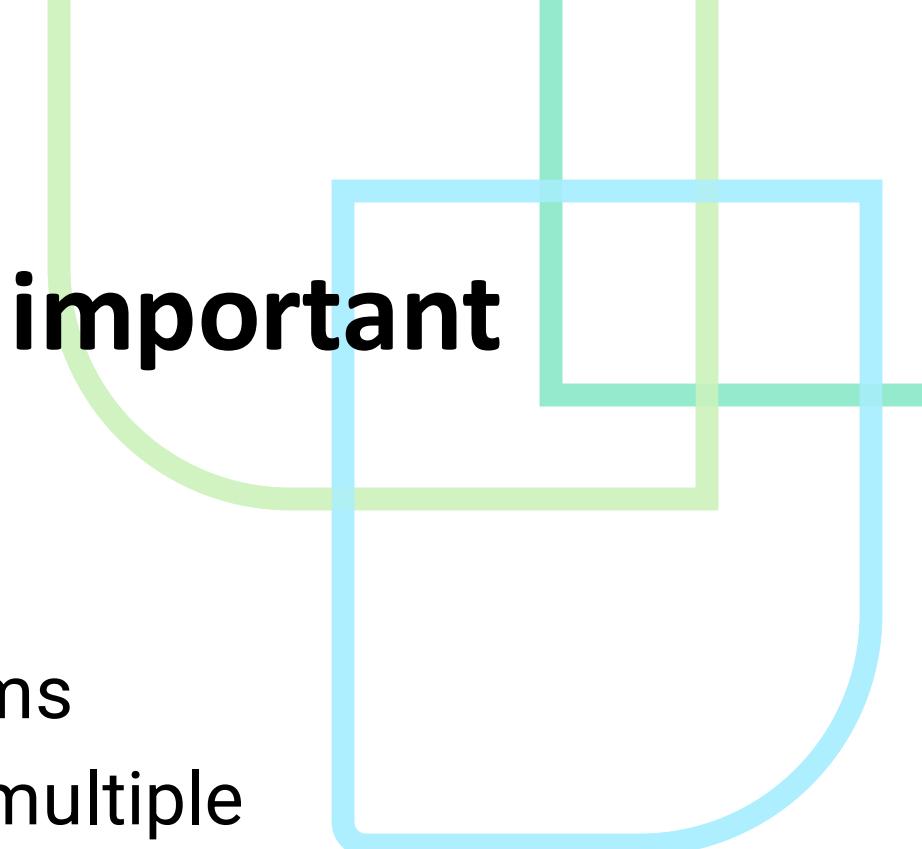
- Sustainability planning is a structured approach that identifies how a project can be maintained and strengthened across the sustainability domains
- Should start early (vs. at the end or after) to establish strong buy-in and efficient processes to integrate the project into ongoing operations
- Results in a sustainability plan that includes:
 - An explicit, detailed long-term goal
 - Strengths and areas for improvement
 - Short- and long-term action steps



Modernizing data systems supports public health's core mission and data capabilities

- Data modernization builds capacity to support essential public health services:
 - Building and maintaining a strong organizational infrastructure
 - Improving and innovating through evaluation, research, and quality improvement
 - Building a diverse and skilled workforce
- Involves people, process, technology

Sustainability planning is more important than ever



- Moving past the “boom and bust” cycle
- Building interoperability across all systems
- Creating reusable, modular systems for multiple purposes
- Blending and braiding funds
- Building resilience into public health systems

Panel Discussion: Speaker Perspectives on Sustainability Planning

Panel discussion: Sustainability approaches

- Share an example of a high-profile project or system where sustainability planning played a critical role.
- How did you ensure a holistic approach, integrating considerations, such as workforce development, training, systems implementation, and funding, into your overall strategy?

Panel discussion: Using existing resources

- How have you used existing resources or technologies to enhance the sustainability of your data modernization projects?
- Can you share examples?

Panel discussion: Engaging others

- What specific engagement strategies for sustainability planning have you found most effective in involving interested parties, including leadership and different teams or programs in your organization?
- How do you ensure ongoing engagement and collaboration beyond the initial planning phase?

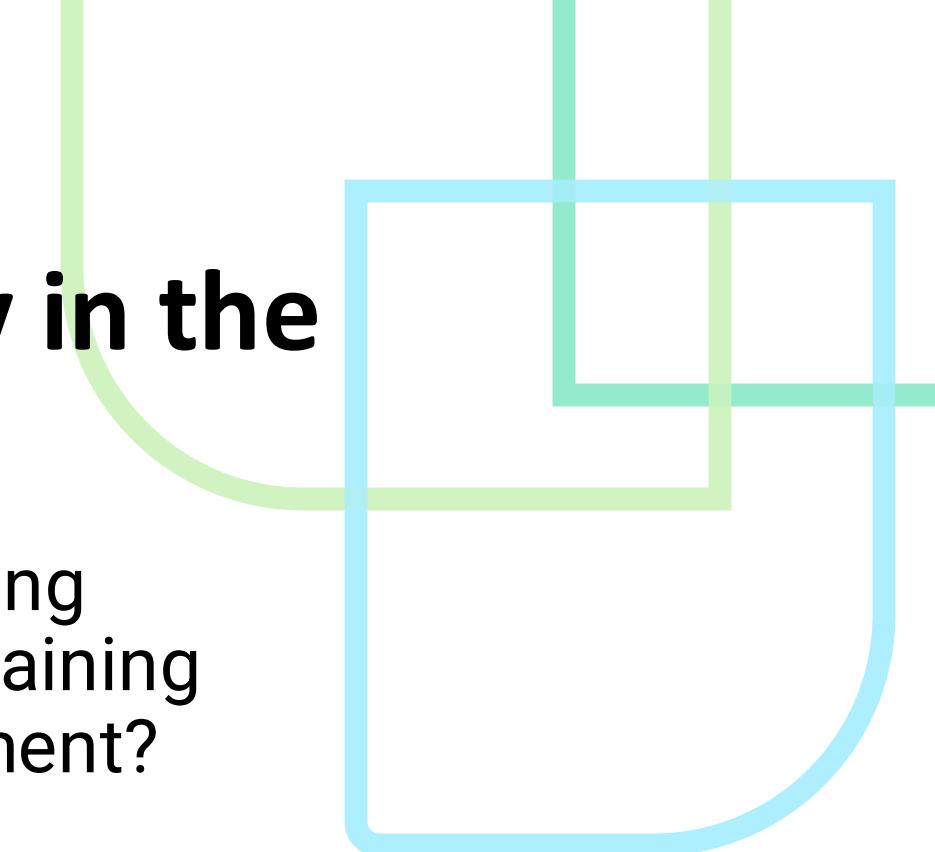


Panel discussion: Addressing challenges

- What challenges did you anticipate or experience related to sustainability?
- How did you mitigate or address them?
- How did your plans compare with reality?

Panel discussion: Sustainability in the current environment

- What has been your experience with staffing support and changes to staffing for maintaining core infrastructure in the current environment?



ASTHO's DMI Sustainability Planning Toolkit

Sustainability Planning Primer and Toolkit

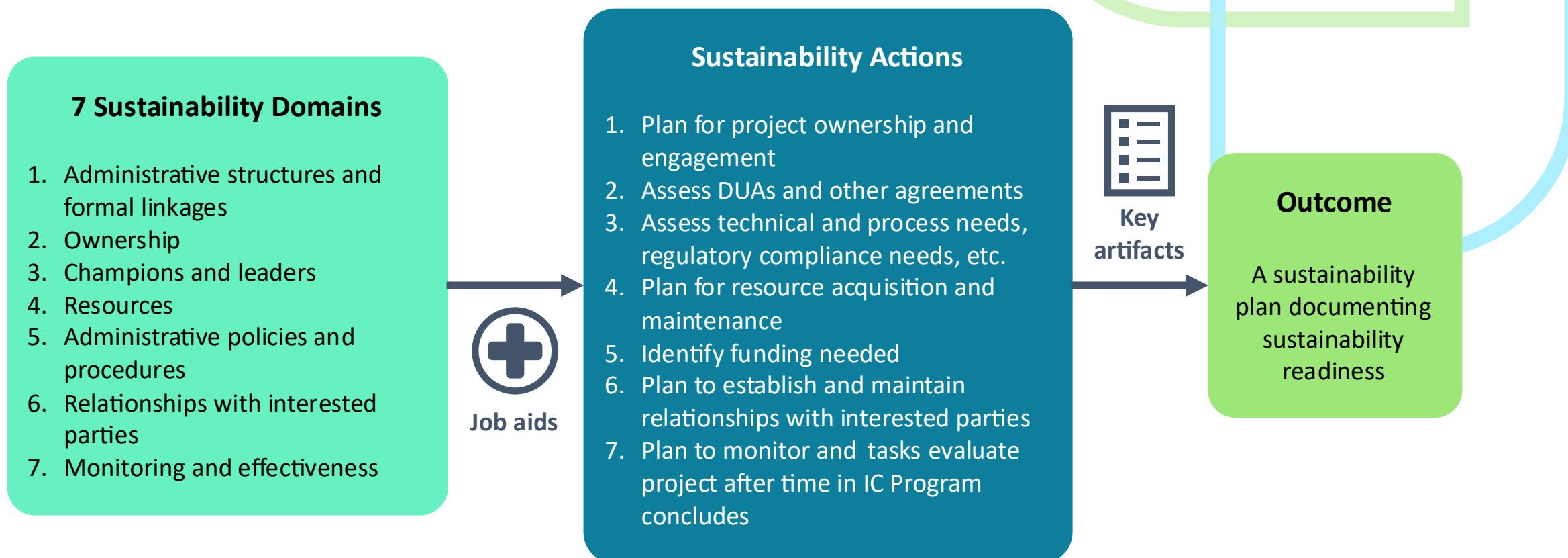
- “[Sustaining DMI: Leveraging Medicaid to Advance Public Health Data and Surveillance](#)” available on ASTHO’s website
- Informed by an existing sustainability planning model developed by Johnson et al. (2004) based on a systematic literature review on sustaining projects at the organizational, community, and state levels



Assar, Soraya, Mynti Hossain, and Paul Messino. “Sustaining DMI: Leveraging Medicaid to Advance Public Health Data and Surveillance.” Arlington, VA: Association of State and Territorial Health Officials, July 24, 2024. Johnson, Knowlton, C. Hayes, H. Center, C. Daley. “Building capacity and sustainable prevention innovations: a sustainability planning model.” *Evaluation and Program Planning*, vol. 27, 2004, pp.135-149.

Sustainability Planning Framework and the IC Program

- The IC Program is using the information in the sustainability planning toolkit to guide PHAs in developing sustainability plans



Using the Toolkit

Sustainability Actions

1. Plan for project ownership and engagement
2. Assess DUAs and other agreements
3. Assess technical and process needs, regulatory compliance needs, etc.
- 4. Plan for resource acquisition and maintenance**
5. Identify funding needed
- 6. Plan to establish and maintain relationships with interested parties**
7. Plan to monitor and tasks evaluate project after time in IC Program concludes

- We just heard real-world examples of how some PHAs used:
 - Existing resources (including staffing) to enhance the sustainability of their projects
 - Engagement strategies to collaborate with interested parties in sustainability planning
- Let's look at 2 examples of how the toolkit can support this work

Example 1: Plan for Resource Acquisition and Maintenance

- **What to do and when?** When considering resources needed for the project, a PHA can develop a plan for resource acquisition and maintenance that identifies staff, technology, and funding needed to sustain the project, with an emphasis on diverse funding to stabilize all other resources (e.g., blending and braiding funding streams)
- **Why is this important?** Can facilitate maintenance and advancements to the project, such as updates to the technology
- **What results indicate sustainability readiness?**
 - A resource acquisition and maintenance plan that identifies diverse and stable sources for resources, and opportunities to blend and braid funding streams

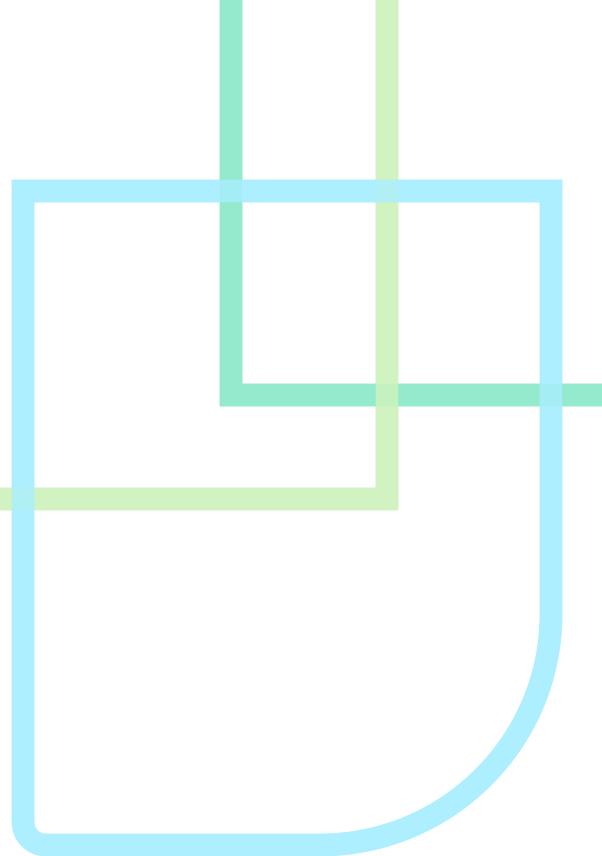
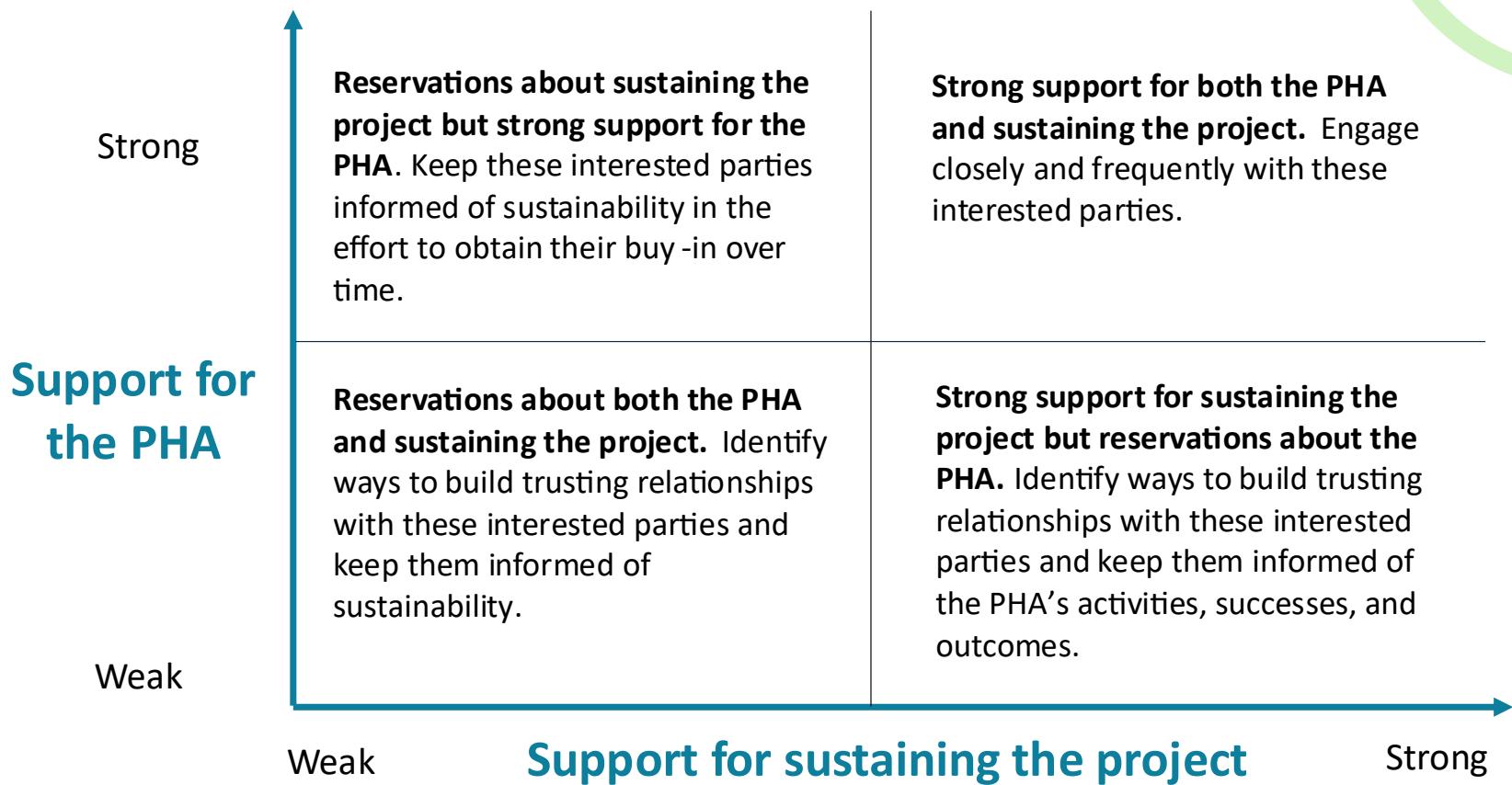
Example 1: Job aid based on the Toolkit

| Resource | Relevance to use case | Status of acquisition and maintenance | Resource-sharing with partners | Costs to acquire and/or maintain | Action items to acquire and/or maintain |
|---|-----------------------|---------------------------------------|--------------------------------|----------------------------------|---|
| Staff (e.g., technical expert, compliance officer) | | | | | |
| Technology (e.g., hardware, software) | | | | | |
| Funding (e.g., federal, state, private, and blending and braining opportunities) | | | | | |

Example 2: Plan to Engage Interested Parties

- **What to do and when?** Develop a plan to establish and maintain relationships with interested parties (e.g., participants in or beneficiaries of the project, implementers, and developers) as project implementation is underway
- **Why is this important?** Interested party buy-in can promote and support sustainability (interested parties are not directly involved in the project but are affected by it)
- **What results indicate sustainability readiness?**
 - Positive relationships with interested parties
 - Alignment between the project vision, interested party needs, and project results

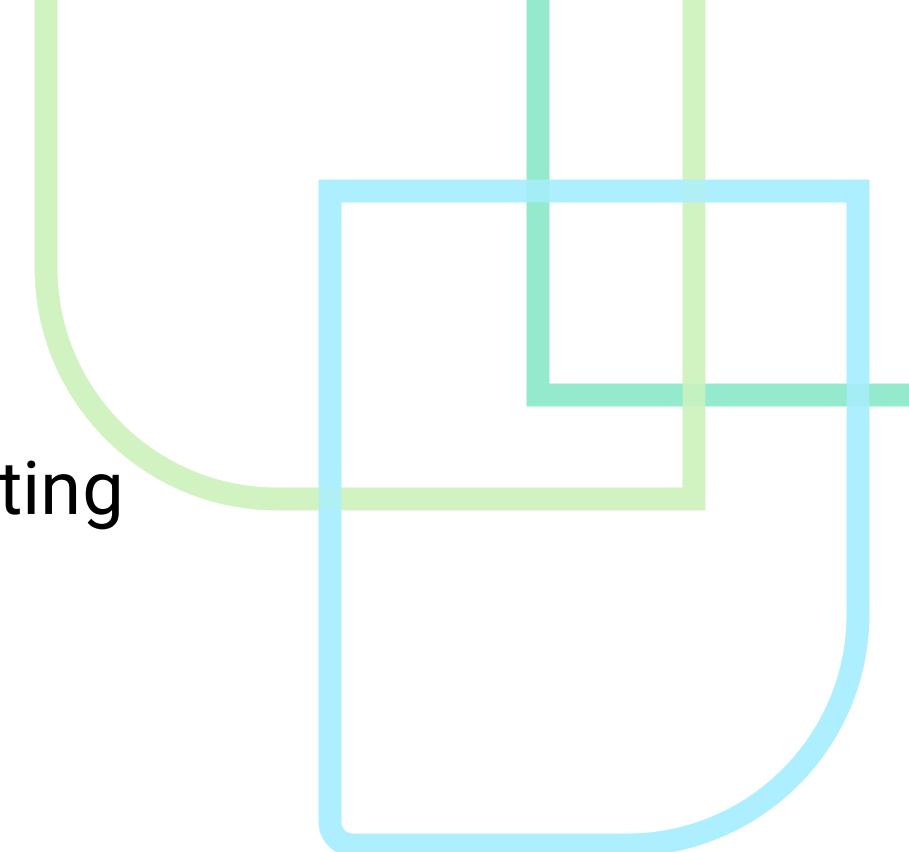
Example 2: Job aid in the Toolkit



Q&A

Key Takeaways

- Integrate sustainability planning into existing structures, policies, and procedures
- Manage funding
- Consider reusable technology
- Begin sustainability planning early
- ASTHO's sustainability primer provides a framework for planning
- Stay connected!



Thank You!

For more questions and assistance regarding the sustainability toolkit and other sustainability related questions, Data Modernization Technical Assistance (DM TA) requests can be submitted in PHIVE

For more about the IC Program: phdmic@astho.org
phinfrastructure.org/implementation-centers

**Thank you for joining the
Preconference!**

...the conversation continues at the
PHIG Annual Recipient Convening



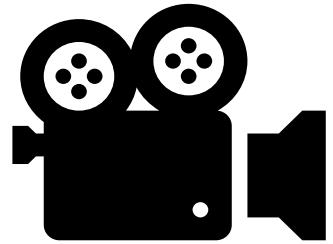
Explore the Meeting Venue

- **2 floors of meeting spaces on the 2nd and 4th floors**
 - Dedicated escalators, stairs, and elevators
 - The escalators skip the 3rd floor entirely
- **2nd floor:** Partner tables and a Support Desk
- **4th floor:** Sponsor Foyer, Connect Lounge, and the Welcome Reception
- **Gateway Level:** Wellness rooms and outdoor patio

Event Pods or “Nooks” are arranged throughout for small, informal, and impromptu meeting spaces.

Share Your Story!

IC Program Interviews: Wave 1 Participants



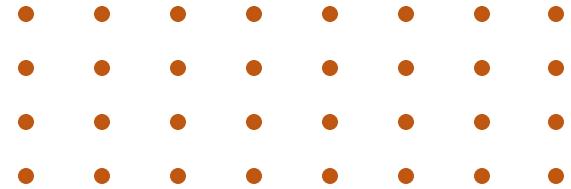
We Want to Hear from
You!

Short, 5–7 minute interviews with
Wave 1 PHAs & IC Program partners

When: Mon 8/18 – Thurs 8/21
Where: Sterling 5 (2nd floor)

*Sign up by scanning the QR Code,
or come find us during a break!*





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