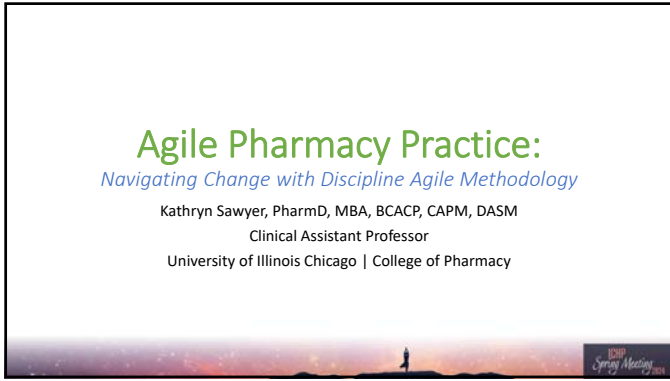
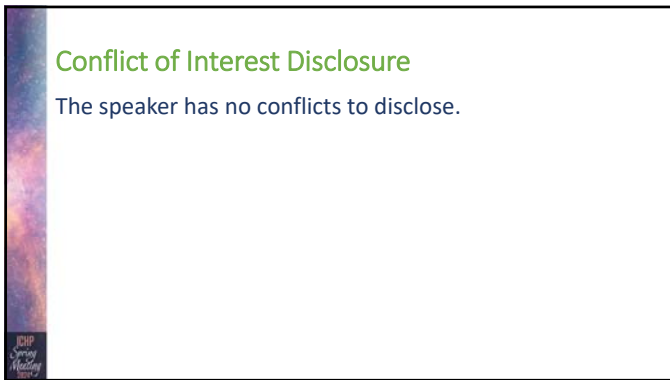


Agile Pharmacy Practice:
Navigating Change with Discipline Agile Methodology
Kathryn Sawyer, PharmD, MBA, BCACP, CAPM, DASM
Clinical Assistant Professor
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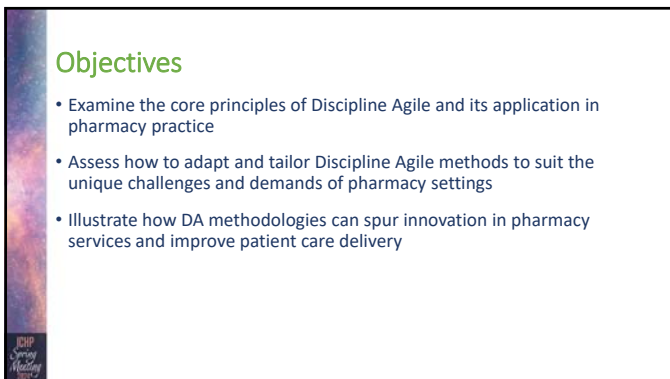
Conflict of Interest Disclosure
The speaker has no conflicts to disclose.



2

Objectives

- Examine the core principles of Discipline Agile and its application in pharmacy practice
- Assess how to adapt and tailor Discipline Agile methods to suit the unique challenges and demands of pharmacy settings
- Illustrate how DA methodologies can spur innovation in pharmacy services and improve patient care delivery



3

What is Discipline Agile (DA)?

Tool Kit

- Traditional methods
- Agile methods
- Lean methods
- Ways of Working

Amber, S.W. & Lines, M. (2022). Choose your way! A disciplined agile approach to optimizing your way of working. Project Management Institute, Inc. Newtown Square, Pennsylvania. Project Management Institute. (n.d.). Disciplined Agile Scrum Master (DAScM) study guide. Project Management Institute, Inc.

4

Why Disciplined Agile (DA)?

- Enables you to get better at getting better
- Provides a solid foundation for agility
- Starts where you are
- Teaches you to become a learning organization

Amber, S.W. & Lines, M. (2022). Choose your way! A disciplined agile approach to optimizing your way of working. Project Management Institute, Inc. Newtown Square, Pennsylvania. Project Management Institute. (n.d.). Disciplined Agile Scrum Master (DAScM) study guide. Project Management Institute, Inc.

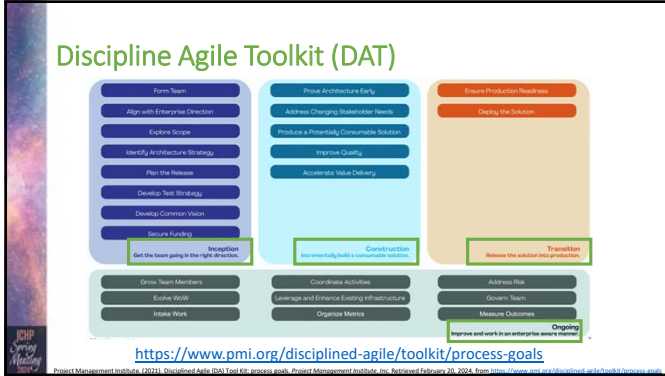
5

Disciplined Agile (DA) Mindset

<p>Philosophies</p> <p>We embrace these philosophies:</p> <ul style="list-style-type: none"> Value first, cost second Minimize the cost of delay Invest in streamlining value creation Stable teams over project teams Align teams to value streams Govern by risk, not artifacts Rolling wave over annual planning Small initiatives over large initiatives Invest in quality 	<p>Principles</p> <p>We believe in these principles:</p> <ul style="list-style-type: none"> Delight customers Be awesome Context counts Be pragmatic Choice is good Optimize flow Organize around products/services Enterprise awareness 	<p>Promises</p> <p>we promise to:</p> <ul style="list-style-type: none"> Create psychological safety and embrace diversity Accelerate value realization Collaborate proactively Make all work and workflow visible Improve predictability Keep workloads within capacity Improve continuously 	<p>Guidelines</p> <p>We follow these guidelines:</p> <ul style="list-style-type: none"> Validate our learnings Apply design thinking Attend to relationships through the value stream Create effective environments that foster joy Change culture by improving the system Create semi-autonomous self-organizing teams Adopt measures to improve outcomes Leverage and enhance organizational assets
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Amber, S.W. & Lines, M. (2022). Choose your way! A disciplined agile approach to optimizing your way of working. Project Management Institute, Inc. Newtown Square, Pennsylvania.

6

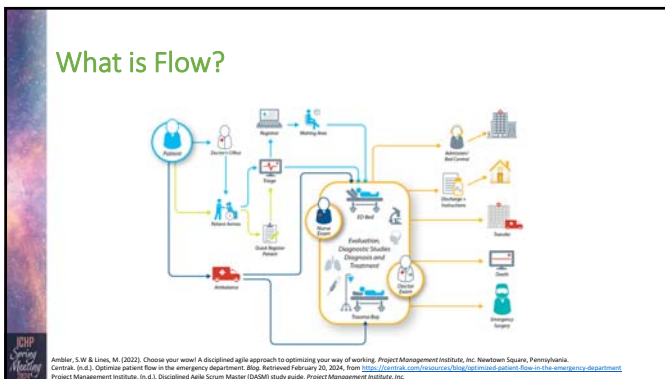


7

Discipline Agile Delivery (DAD) Browser

<https://dabrowser.pmi.org/#item:2>

8



9

Activity #1: Find Your Flow

"Flow when you can, pull when you must." *Common Lean mantra.*

Flow is the ability to produce value continuously.

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Project Management Institute (PMI), Disciplined Agile, Project Management Institute, Inc. Retrieved February 26, 2024. From <https://www.pmi.org/disciplined-agile>

10

Guided Continuous Improvement (GCI)

Amber, S.W. & Lines, M. (2022). Choose your wheel! A disciplined agile approach to optimizing your way of working. Project Management Institute, Inc. Newtown Square, Pennsylvania. Project Management Institute. (n.d.). Disciplined Agile Scrum Master (DAScM) study guide. Project Management Institute, Inc.

11

Situation Context Framework (SCF)

Amber, S.W. & Lines, M. (2022). Choose your wheel! A disciplined agile approach to optimizing your way of working. Project Management Institute, Inc. Newtown Square, Pennsylvania. Project Management Institute. (n.d.). Disciplined Agile Scrum Master (DAScM) study guide. Project Management Institute, Inc.

12

Choosing the Right Life Cycle

The flowchart starts with the question: "Do you have a well-defined project?"

- If **Yes**, it asks: "Do you have a well-defined scope?"
 - If **Yes**, it asks: "Do you have a well-defined budget?"
 - If **Yes**, it asks: "Do you have a well-defined timeline?"
 - If **Yes**, it leads to "Waterfall".
 - If **No**, it leads to "Hybrid".
 - If **No**, it leads to "Agile".
 - If **No**, it leads to "Agile".
- If **No**, it asks: "Do you have a well-defined budget?"
 - If **Yes**, it asks: "Do you have a well-defined timeline?"
 - If **Yes**, it leads to "Waterfall".
 - If **No**, it leads to "Hybrid".
 - If **No**, it leads to "Agile".

- If **No**, it asks: "Do you have a well-defined timeline?"
- If **Yes**, it asks: "Do you have a well-defined budget?"
 - If **Yes**, it asks: "Do you have a well-defined scope?"
 - If **Yes**, it leads to "Waterfall".
 - If **No**, it leads to "Hybrid".
 - If **No**, it leads to "Agile".
- If **No**, it leads to "Agile".

At the bottom, it lists: "Consumable Working Agile" and "Continuous Working Agile".

Ameller, S.W. & Lines, M. (2022). Choose your wow! A disciplined agile approach to optimizing your way of working. Project Management Institute, Inc. Newtown Square, Pennsylvania. Project Management Institute. (p. 6.) Disciplined Agile Scrum Master (DAScM) study guide. Project Management Institute, Inc.

13

Activity #2: Choosing Your WoW

"Your way forward." Common Lean mantra.

Disciplined Agile teams choose the best-fit life cycle for them.

Project Management Institute. (2024). Disciplined Agile. Project Management Institute, Inc. Retrieved February 20, 2024, from <https://www.pmi.org/disciplined-agile>

14

DA Mindset - Consumable Solutions

It works

- *What we produce must be functional and provide the outcomes that our stakeholders expect*

It's usable

- *Our solution should work well, with a well-designed user experience*

It's desirable

- *People should want to work with our solution, it should delight our stakeholders, not just satisfy them*

Ameller, S.W. & Lines, M. (2022). Choose your wow! A disciplined agile approach to optimizing your way of working. Project Management Institute, Inc. Newtown Square, Pennsylvania. Project Management Institute. (p. 6.) Disciplined Agile Scrum Master (DAScM) study guide. Project Management Institute, Inc.

15

How to Write a User Story

- What is a User Story?**
 - A short description, written from the perspective of the user, that captures the requested features or functionality
- User Story Template**
 - Three C's:
 - Card** – short, simple statement: "As a [type of user], I want [some goal] so that [some reason]."
 - Conversation** – meeting with stakeholders to define acceptance criteria, clarify ambiguities and identify potential challenges
 - Confirmation** – defined conditions (acceptance criteria) that must be met for the user story to be considered complete – "Given-When-Then" format: "Given [user and location], when [user action] then [expected outcome]"

Amikur, S.W. & Linck, M. (2022). Choose your word! A disciplined agile approach to optimizing your way of working. Project Management Institute, Inc. Newtown Square, Pennsylvania. Project Management Institute. In 8.3 Disciplined Agile Scrum Master (DAScM) Study Guide. Project Management Institute, Inc.

16

User Story Example – Drug Shortages

Card	Conversation	Confirmation
<p>As a pharmacist working in the hospital pharmacy</p> <p>I want to receive real-time notifications about drug shortages</p> <p>so that I can proactively manage patient care and prevent treatment delays.</p>	<p>Example Steps:</p> <ol style="list-style-type: none"> Identify key stakeholders Set meeting(s) with stakeholders <p>Define acceptance criteria (e.g., integration of pharmacy management system and electronic health record)</p> <p>Clarify ambiguities (e.g., define drug shortage)</p> <p>Identify challenges (e.g., hospital staff training)</p>	<p>Given a pharmacist logged into the hospital's electronic health record</p> <p>when a drug shortage occurs for a medication prescribed to a patient under their care</p> <p>then the pharmacist receives a real-time notification alert on their workstation</p>

17

Activity #3: Writing a User Story

"Make the invisible visible, make the intangible tangible." Common Lean mantra.

User stories create a shared vision and goal

Project Management Institute. (2024). Disciplined Agile. Project Management Institute, Inc. Retrieved February 20, 2024, from <https://www.pmi.org/disciplined-agile>

18

Questions?



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19

References

- Ambler, S.W & Lines, M. (2022). Choose your wow! A disciplined agile approach to optimizing your way of working. *Project Management Institute, Inc.* Newtown Square, Pennsylvania.
- Centrak. (n.d.) Optimize patient flow in the emergency department. *Blog*. Retrieved February 20, 2024, from <https://centrak.com/resources/blog/optimized-patient-flow-in-the-emergency-department>
- Project Management Institute. (2024). Disciplined Agile. *Project Management Institute, Inc.* Retrieved February 20, 2024, from <https://www.pmi.org/disciplined-agile>
- Project Management Institute. (n.d.). Disciplined Agile Scrum Master (DASM) study guide. *Project Management Institute, Inc.*
- Project Management Institute. (2021). Disciplined Agile (DA) Tool Kit: process goals. *Project Management Institute, Inc.* Retrieved February 20, 2024, from <https://www.pmi.org/disciplined-agile/toolkit/process-goals>

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20
