**IMPLEMENTATION OUTCOMES QUESTIONNAIRE**

**Scoring Methods and Interpretation**

***ADOPTION***

**Response options range from 1 (Strongly Disagree) to 6 (Strongly Agree).**

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| **Step** | **Adoption: Scoring Instructions** | **Result** |
| A | Average individual items for each participant on *Adoption* measure (individual scores) |  |
| B | Average results from step A across participants |  |

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| ***Adoption* Score** | **Adoption: Interpretation** |
| ≥ 3.5 | This service is highly likely to be adopted at this site. On average, survey respondents tended to agree that the service should be adopted. |
| < 3.5 | This service is less likely to be adopted at this site. On average, survey respondents tended to disagree that the service should be adopted. |

***ACCEPTABILITY***

**Response options range from 1 (Strongly Disagree) to 6 (Strongly Agree).**

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| **Step** | **Acceptability: Scoring Instructions** | **Result** |
| A | Reverse score item #4 from the *Acceptability* measure (refer back to final questionnaire, Appendix A) |  |
| B | Average individual items for each participant on *Acceptability* measure (individual scores) |  |
| C | Average results from step B across participants |  |

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| ***Acceptability* Score** | **Acceptability: Interpretation** |
| ≥ 3.5 | The service is highly likely to be accepted at this site. On average, survey respondents tended to agree that the service is acceptable. |
| < 3.5 | The service is less likely to be accepted at this site. On average, survey respondents tended to disagree that the service is acceptable. |

***FEASIBILITY***

**Response options range from 1 (Strongly Disagree) to 6 (Strongly Agree).**

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| **Step** | **Feasibility: Scoring Instructions** | **Result** |
| A | Average individual items for each participant on *Feasibility* measure (individual scores) |  |
| B | Average results from step A across participants |  |

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| ***Feasibility* Score** | **Feasibility: Interpretation** |
| ≥ 3.5 | The service is highly likely to be feasible to implement at this site. On average, survey respondents tended to agree that the service is feasible to implement. |
| < 3.5 | The service is less likely to be feasible to implement at this site. On average, survey respondents tended to disagree that the service is feasible to implement. |

***APPROPRIATENESS***

**Response options ranged from 1 (Not at All) to 5 (Extremely).**

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| **Step** | **Appropriateness – Overall: Scoring Instructions** | **Result** |
| A | Average individual items for each participant on *Appropriateness* measure (individual scores) |  |
| B | Average results from step A across participants |  |

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| ***Appropriateness* Score – Overall** | **Appropriateness – Overall: Interpretation** |
| ≥ 3.5 | The service is highly likely to be appropriate at your site. On average, survey respondents rated the service as “very” to “extremely” appropriate. |
| 2.5 ≤ score < 3.5 | The service is likely to be appropriate at your site. On average, survey respondents rated the service as “moderately” appropriate. |
| <2.5 | The service is less likely to be appropriate at your site. On average, survey respondents rated the service as “not” to “minimally” appropriate. |

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| **Step** | **Appropriateness – Service-Pharmacist Fit Subscale: Scoring Instructions** | **Result** |
| A | Average individual items #2, #3, and #5 for each participant on *Appropriateness* measure (individual scores) (refer back to final questionnaire, Appendix A) |  |
| B | Average results from step A across participants |  |

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| ***Appropriateness* Score – Pharmacist Fit Subscale** | **Appropriateness – Service-Pharmacist Fit Subscale: Interpretation** |
| ≥ 3.5 | The service is highly likely to be compatible with the individual pharmacist’s way of working. On average, survey respondents rated the service as “very” to “extremely” compatible with the pharmacist’s way of working. |
| 2.5 ≤ score < 3.5 | The service is likely to be compatible with the individual pharmacist’s way of working. On average, survey respondents rated the service “moderately” compatible with the pharmacist’s way of working. |
| <2.5 | The service is less likely to be compatible with the individual pharmacist’s way of working. On average, survey respondents rated the service as “not” to “minimally” compatible with the pharmacist’s way of working. |

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| **Step** | **Appropriateness – Service-Organization Fit Subscale: Scoring Instructions** | **Result** |
| A | Average individual items #1, #4, and #6 for each participant on *Appropriateness* measure (individual scores) (refer back to final questionnaire, Appendix A) |  |
| B | Average results from step A across participants |  |

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| ***Appropriateness* Score – Organizational Fit Subscale** | **Appropriateness – Service-Organization Fit Subscale: Scoring Instructions** |
| ≥ 3.5 | The service is highly likely to be compatible with the organization’s approach to patient care. On average, survey respondents rated the service “very” to “extremely” compatible with the organization’s approach to patient care. |
| 2.5 ≤ score < 3.5 | The service is likely to be compatible with the organization’s approach to patient care. On average, survey respondents rated the service “moderately” compatible with the organization’s approach to patient care. |
| <2.5 | The service is less likely to be compatible with the organization’s approach to patient care. On average, survey respondents rated the service “not” to “minimally” compatible with the organization’s approach to patient care. |

***PENETRATION***

**For Penetration, responses were fill in the blank.**

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| **Step** | **Penetration – Patient Reach: Scoring Instructions** | **Result** |
| A | Average item #1 across participants (refer back to final questionnaire, Appendix A) |  |
| B | Average item #2 across participants (refer back to final questionnaire, Appendix A) |  |
| C | Take the result from Step A and divide by result from Step B: \_\_\_\_ ÷ \_\_\_\_ |  |
| D | Take the result from Step C and multiple by 100: \_\_\_\_ x 100 | % |

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| ***Penetration* Percentage - Patient** | **Penetration – Patient Reach: Interpretation** |
| 0-100% | The higher your percentage, the more eligible patients are being reached. |

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| **Step** | **Penetration – Provider Reach: Scoring Instructions** | **Result** |
| A | Average item #3 across participants (refer back to final questionnaire, Appendix A) |  |
| B | Average item #4 across participants (refer back to final questionnaire, Appendix A) |  |
| C | Take the result from Step A and divide by result from Step B: \_\_\_\_ ÷ \_\_\_\_ |  |
| D | Take the result from Step C and multiple by 100: \_\_\_\_ x 100 | % |

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| ***Penetration* Percentage - Provider** | **Penetration – Provider Reach: Interpretation** |
| 0-100% | The higher your percentage, the greater the number of providers involved. |

***SUSTAINABILITY***

* If your goal is to compare intent to sustain the service by pharmacists within one healthcare organization, use the “Overall” mean score. This will help you determine similarities and differences to sustain the service across the pharmacists belonging to the same healthcare organization.
* If your goal is to compare intent to sustain the service across healthcare organizations, use both the “Overall” mean score and the two subscale scores. The “Overall” mean score will help you determine general service sustainability trends across healthcare organizations. However, to explain the reasons for these similarities/differences, and to explore each healthcare organization, use the subscale scores. The “Value of Service” subscale score will help you understand the healthcare team’s perceptions of the value of the service. The “Organizational Support” subscale score will shed light on the level of organizational support for sustaining the service.
* If your goal is to more broadly understand trends in intent to sustain the service across pharmacists, you can use the “Overall” mean score and the two subscale scores depending on the question you are trying to address.

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| **Step** | **Sustainability – Overall: Scoring Instructions** | **Result** |
| A | Average individual items for each participant on *Sustainability* measure (individual scores) |  |
| B | Average results from step A across participants |  |

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| ***Sustainability* Score – Overall** | **Sustainability – Overall: Interpretation** |
| ≥ 2.5 | This service is highly likely to be sustained. |
| 1.5 ≤ score < 2.5 | This service needs additional sustainability planning. |
| <1.5 | This service is not likely to be sustained. |

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| **Step** | **Sustainability – Value of Service Subscale: Scoring Instructions** | **Result** |
| A | Average individual items #1 through #6 for each participant on *Sustainability* measure (individual scores) (refer back to final questionnaire, Appendix A) |  |
| B | Average results from step A across participants |  |

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| ***Sustainability* Score – Value of Service Subscale** | **Sustainability – Value of Service Subscale: Interpretation** |
| ≥ 2.5 | The service is highly likely to be sustained based on how valuable members of the healthcare team perceive it to be. |
| 1.5 ≤ score < 2.5 | The service might be sustained with additional efforts made to improve how valuable the service is perceived to be among members of the healthcare team. |
| <1.5 | The service is less likely to be sustained based on how valuable members of the healthcare team perceive it to be. |

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| **Step** | **Sustainability – Organizational Support Subscale: Scoring Instructions** | **Result** |
| A | Average individual items #7 through #10 for each participant on *Sustainability* measure (individual scores) (refer back to final questionnaire, Appendix A) |  |
| B | Average results from step A across participants |  |

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| ***Sustainability* Score – Organizational Support Subscale** | **Sustainability – Organizational Support Subscale: Interpretation** |
| ≥ 2.5 | This service is highly likely to be sustained based on levels of organizational support for continued use. |
| 1.5 ≤ score < 2.5 | This service might be sustained with additional efforts made to garner organizational support for continued use. |
| <1.5 | This service is less likely to be sustained based on levels of organizational support for continued use. |

**Reference:** Livet, M., Blanchard, C., Richard, C., Sheppard, K., Yannayon, M., Sorensen, T., & McClurg, M. R. (2021). Measuring implementation of medication optimization services: Development and validation of an implementation outcomes questionnaire. *Research in Social and Administrative Pharmacy*.