# A Prospective Acceptability Study on Sino-Implant (II) in Bangladesh

**Presented by Hannah Searing, Senior Director of Knowledge Management**
**EngenderHealth**
**at FHI 360 LA/PM EOP Meeting**
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THE respond PROJECT

**Managing Partner: EngenderHealth;** Associated Partners: FHI 360; Futures Institute; Johns Hopkins Bloomberg School of Public Health Center for Communication Programs; Meridian Group International, Inc.; Population Council

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Mayer Hashi

# Participant Profile

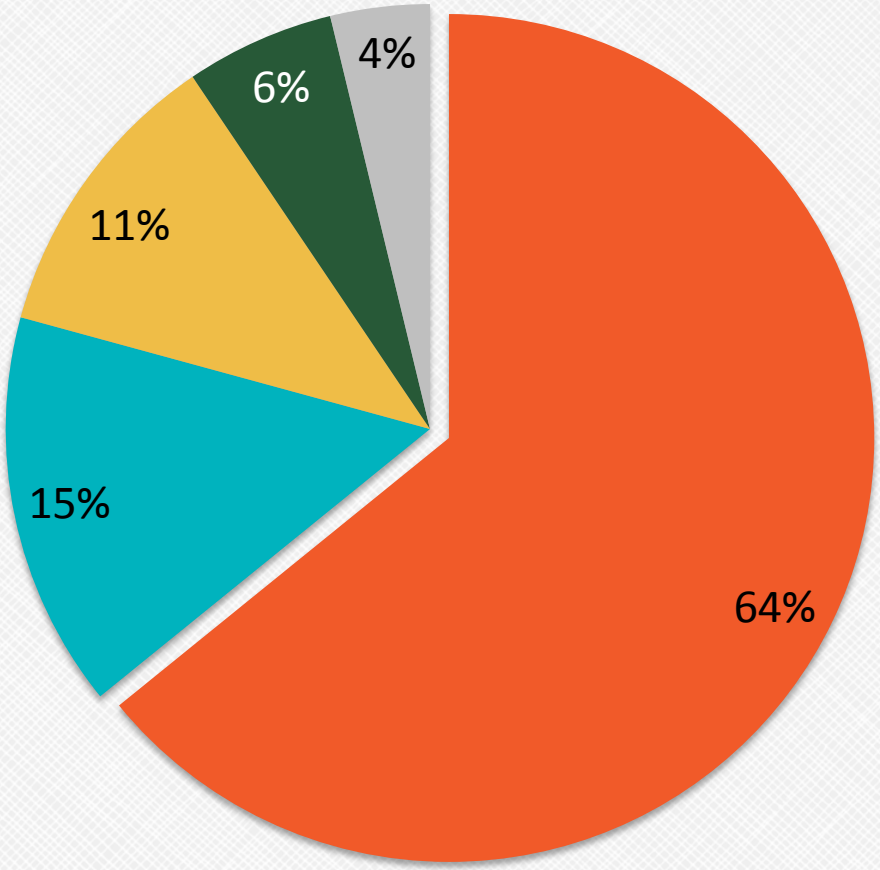
# Safety and Discontinuation

- No serious adverse events or pregnancies were reported
  - The overall failure rate was zero during one-year of use
  - There were three pregnancies, but these were due to misdiagnosis during participant assessment on the day of insertion.
- At 12 months, 557 (89%) of the women were continuing to use Sino-implant (II) out of 595 acceptors

# Side Effects at Insertion Site Reported at Follow-up*

| Problems* | Follow-up interview | | | | | |
|---|---|---|---|---|---|---|
| | 3-month | | 6-month | | 12-month | |
| | No. | % | No. | % | No. | % |
| None | 494 | **84.9** | 526 | **92.8** | 524 | **94.1** |
| Itching | 26 | **4.5** | 6 | **1.1** | 16 | **2.9** |
| Pain in the insertion area | 40 | **6.9** | 23 | **4.1** | 14 | **2.5** |
| Numbness of arm | 18 | 3.1 | 12 | 2.1 | 4 | 0.7 |
| Local redness/swelling | 9 | 1.5 | 0.0 | 0.0 | 1 | 0.2 |
| Infection | 3 | 0.5 | 1 | 0.2 | 1 | 0.2 |
| Discharge at insertion site | 1 | 0.2 | 1 | 0.2 | 0.0 | 0.0 |
| Pain in the inserted hand | 5 | 0.9 | 5 | 0.9 | 0.0 | 0.0 |
| N | **582** | | **567** | | **557** | |
| *Multiple answers possible | | | | | | |

# Reasons for removal (N=53)




- Side effects/health concerns
- Infection
- Spousal objection/separation
- Misdiagnosed pregnancy
- Desire to become pregnant

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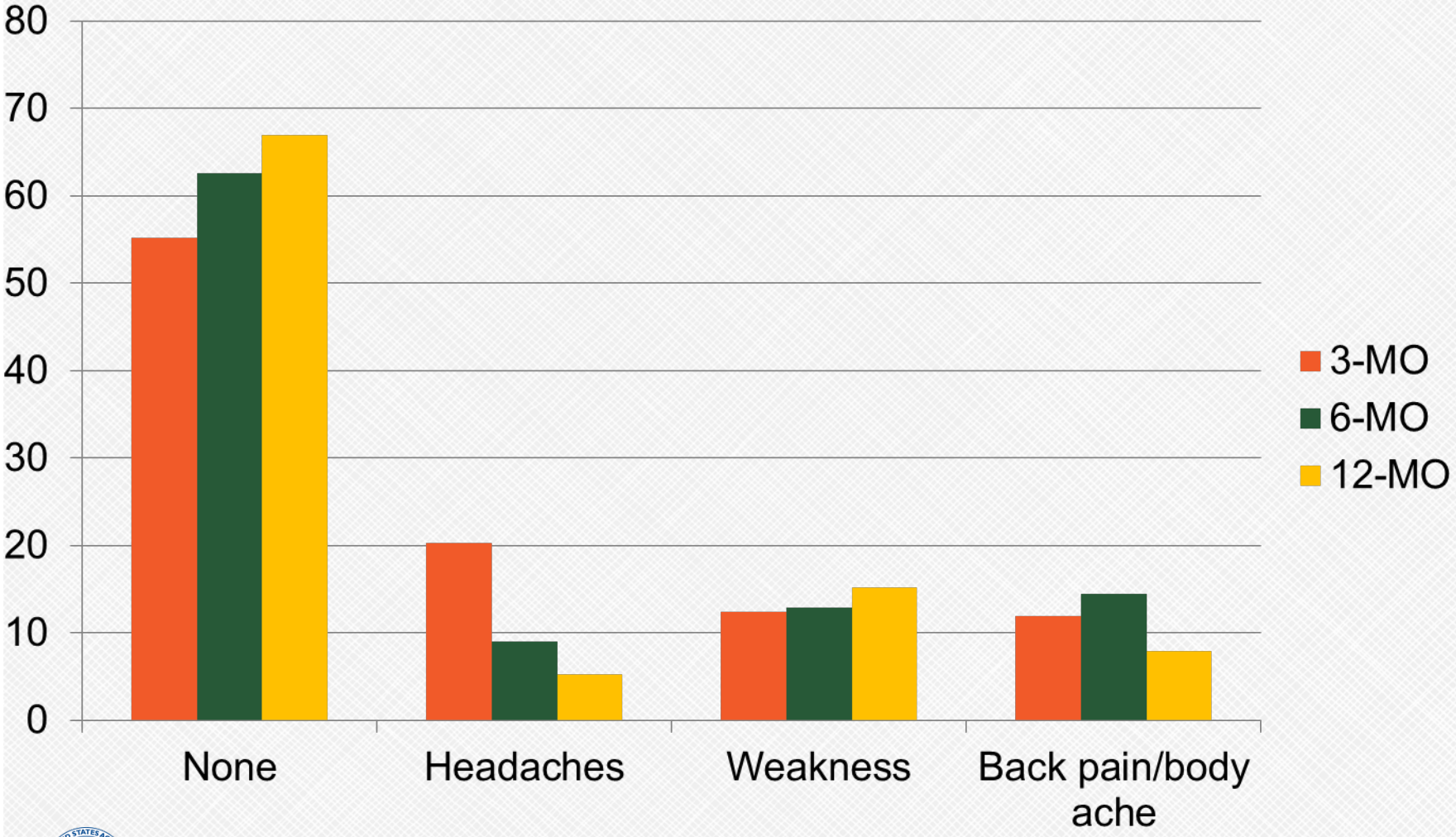
# Place Where Removal Occurred

| Place of removal | Duration | | | |
|---|---|---|---|---|
| | 3-month | 6-month | 12-month | Total |
| | N | N | N | N |
| Government clinic (study site) | 11 | 1 | 10 | 22 |
| NGO clinic (study site) | 1 | 0 | 0 | 1 |
| Private doctor (non-study site) | 3 | 1 | 16 | **20** |
| NGO clinic (non-study site) | 1 | 2 | 0 | **3** |
| Home (rod(s) came out) | 1 | 1 | 1 | 3 |
| Non-qualified private provider | 0 | 3 | 1 | **4** |
| N | 17 | 8 | 28 | 53 |

# Participant Perceptions of Menstrual Changes

| Issues of menstruation | Follow-up interview | | | | | |
|---|---|---|---|---|---|---|
| | 3-month | | 6-month | | 12-month | |
| **Volume of menstrual blood** | **No.** | **%** | **No.** | **%** | **No.** | **%** |
| Too little | 130 | 39.2 | 107 | 38.2 | 116 | 30.4 |
| **About right** | 175 | 52.7 | 152 | 54.3 | 230 | **60.2** |
| Too much | 27 | 8.1 | 21 | 7.5 | 36 | 9.4 |
| Duration of menstrual bleeding episode | | | | | | |
| Too short | 84 | 25.3 | 52 | 18.6 | 55 | 14.4 |
| About right | 194 | 58.4 | 174 | 62.1 | 262 | 68.6 |
| Too long | 54 | 16.3 | 54 | 19.3 | 65 | 17.0 |
| Acceptability of bleeding pattern | | | | | | |
| **Acceptable** | 232 | **69.9** | 189 | **67.5** | 266 | **68.1** |
| Not acceptable | 100 | 30.1 | 91 | 32.5 | 122 | 31.9 |
| N | 332 | 100.0 | 280 | 100.0 | 382 | 100.0 |
| Acceptability of ceased menstruation | | | | | | |
| Acceptable | 155 | 62.0 | 191 | 66.6 | 117 | 66.9 |
| Not acceptable | 95 | 38.0 | 96 | 33.4 | 58 | 33.1 |
| **N** | 250 | 100.0 | 287 | 100.0 | 175 | 100.0 |

# Changes Reported by Participants (%)



# Participant Satisfaction

| Satisfaction with facility services | Follow-up interview | | | | | |
|---|---|---|---|---|---|---|
| | 3-month | | 6-month | | 12-month | |
| | No. | % | No. | % | No. | % |
| Dissatisfied | 5 | 0.9 | 1 | 0.2 | 0 | 0.0 |
| Satisfied | 222 | 38.1 | 199 | 35.1 | 241 | 43.3 |
| Very satisfied | 355 | 61.0 | 367 | 64.7 | 316 | 56.7 |
| **N** | **582** | **100.0** | **567** | **100.0** | **557** | **100.0** |

# Recommendations

- Implant training curricula and protocols should be reviewed and revised
- Counseling protocols for side effect management should be revised and conducted according to WHO guidelines
- Pregnancy diagnostic tools should be reviewed and streamlined
- “Wound care kits” could be introduced to improve post-insertion wound care by the acceptors

# Next Steps

- Integrate findings into upcoming Implanon support
- Continue to explore funding opportunities for follow-up data collection
- Analyze and present joint lessons learned from insertion contexts/techniques and make recommendations for scale up based on data from all four studies

# Conclusions

- Final report is on the RESPOND website

- *http://extranet.respond-project.org/files/research-studies/Study8-Sino-implant-final-report-December2012-FINAL-forweb.pdf*

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# Thank you for your attention!

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