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# Digital Solutions for Adaptive Program Monitoring

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# The One C Program

- One Community (One C)
  - USAID's flagship community-based response to Malawi's HIV epidemic
  - 5 year (2015-2020) PEPFAR funded
  - Implemented by CCP, with partners Plan International and Project HOPE

  - 7 districts in the Southern Region
  - Emphasis on orphans and vulnerable children (OVC), adolescent girls and young women (AGYW), and other key populations

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# DREAMS & GO! Girls

- DREAMS
  - PEPFAR initiative to reduce HIV incidence among AGYW in 10 countries
  - "**D**etermined, **R**esilient, **E**mpowered, **A**IDS-free, **M**entored and **S**afe"
- GO! Girls Clubs
  - As part of DREAMS initiative, One C created groups for out of school 10-24 year old AGYW
  - Groups follow the GO! Girls curriculum
    - Developed during the earlier 3-country USAID/PEPFAR GO! Girls Initiative implemented by CCP
  - Topics include: HIV prevention/treatment, STIs, GBV, gender roles, positive parenting, economic strengthening

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# The Challenge

- Several partners implement DREAMS activities
  - ”Service layering” of interventions
  - However, no shared database to track services provided to girls over time

- USAID asked One C, as the largest DREAMS partner, to approximate the service layering in the 2 focus districts (Zomba and Machinga)
  - What specific services had these girls’ group attendees received?

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- How do we get this information?
  - Scale: over 18,000 girls across 2 districts participated in GO! Girls clubs in Q4 of FY16
  - Time: ASAP
- Most importantly – how do we ensure it's collected in a **timely**, **relevant**, **accurate**, and **complete** way?
  - How do we…
    - … reach all participants?
    - … collect the data?
    - … organize, store, and process the data?
    - … analyze the data?
    - … ensure quality?
    - … AND… do all of this quickly?

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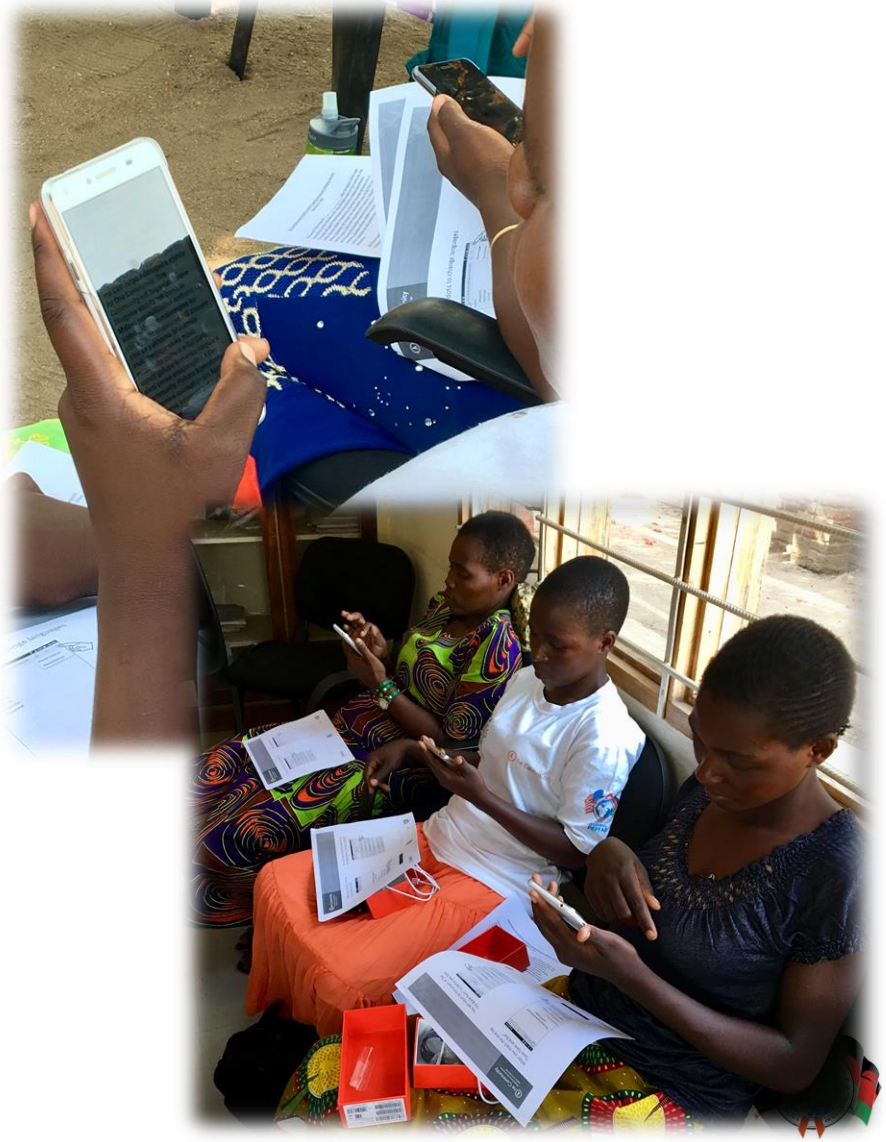
# The Solution

- Leveraged existing resources and capacity
- Rapidly developed a service delivery survey
- Group facilitators (One C CHVs) acted as data collectors
- Deployed via electronic data collection (EDC)
- Data collected **directly** on mobile devices
  - Android-based tablets
  - ODK Collect app
  - Ona.io server



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# XLSForm Survey & Choices

| | A | B | C | F | G | H | I |
|---|---|---|---|---|---|---|---|
| 1 | type | name | label::English | relevant | repeat_count | constraint | constraint_messa |
| 29 | select_one yesno | children | Do you have any children? | | | | |
| 30 | integer | children_num | How many children? | ${children}='1' | | .>0 and .<=15 | |
| 31 | note | note3 | READ: Now I am going to ask the age and sex of your child/children, starting with the oldest. | ${children}='1' | | | |
| 32 | begin repeat | child | Please tell me about (child) | ${children}='1' | ${children_num} | | |
| 33 | select_one sex | childsex | Is this child a boy or girl? | | | | |
| 34 | integer | childage | What is her/her age? [If less than 1 year, enter 0] | | | .>=0 and .<=15 | |
| 35 | end repeat | | | | | | |
| 36 | select_one yesnodk | preg | Are you currently pregnant? | | | | |
| 37 | select_one hiv | hiv_status | What is your HIV status? | | | | |
| 38 | select_one yesnodk | onec | Is your household being visited by a CRP? | | | | |
| 39 | note | note4 | **SERVICES RECEIVED** | | | | |
| 40 | select_multiple services | services | Have you received any of the following services over the past 6 months? [Select all that apply] | | | | |
| 41 | integer | cond_num | Approximately how many condoms did you receive? | selected(${services}, '3') | | | |
| 42 | select_multiple hivservices | hivservices | Have you received any of the following HIV-related services over the past 6 months? [Select all that apply] | ${hiv_status}='1' | | | |
| 43 | note | note5 | Thank you for your time. Goodbye. | | | | |
| 44 | note | note6 | Now, after you have finished speaking with the girl, enter the following information about yourself, as the supervisory CRP. | | | | |
| 45 | text | crp_name | Supervisory CRP name (your name) | | | | |
| 46 | integer | crp_id | Supervisory CRP unique ID number (your ID) | | | string-length(.)=7 | Error! Enter 7 digits |
| 47 | text | crp_mobile | Supervisory CRP moble number (your number) | | | regex(.,'^[0-9]{1}[0-9]{9}$') | Error! Enter 10 digits |
| 48 | note | note7 | You have now completed the survey. | | | | |
| 49 | end group | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |

survey | choices | settings | +

| | | | |
|---|---|---|---|
| 23 | hiv | 1 | Postive |
| 24 | hiv | 2 | Negative |
| 25 | hiv | 99 | Don't know |
| 26 | hiv | 97 | Refuse to disclose |
| 27 | services | 1 | Educational support (bursaries) |
| 28 | services | 2 | Family planning (pills, injection, condoms, etc.) |
| 29 | services | 3 | Received condoms |
| 30 | services | 4 | Antenatal care (ANC) |
| 31 | services | 5 | Village Savings and Loan (VSL) group |
| 32 | services | 6 | Cash transfer |
| 33 | services | 7 | HIV testing services at a facility |
| 34 | services | 8 | HIV testing in the community (mobile) |
| 35 | services | 9 | HIV testing in the household |
| 36 | services | 10 | STI screening and/or treatment |

survey | choices | settings | +

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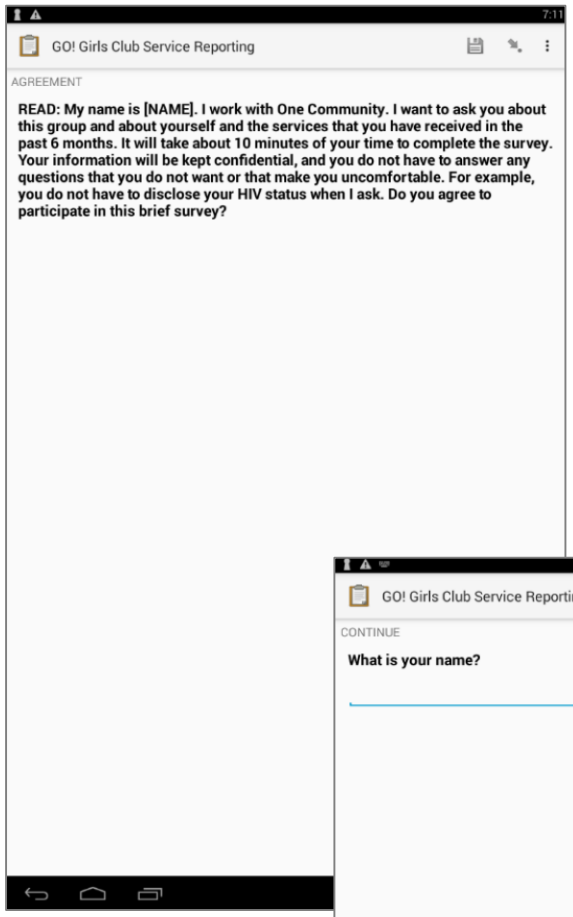
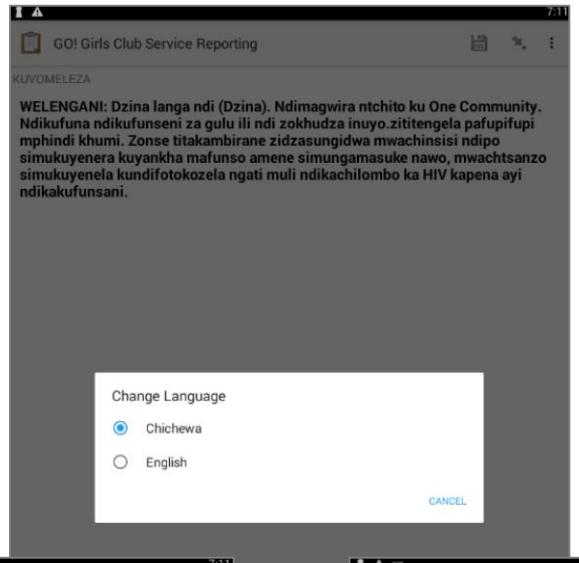
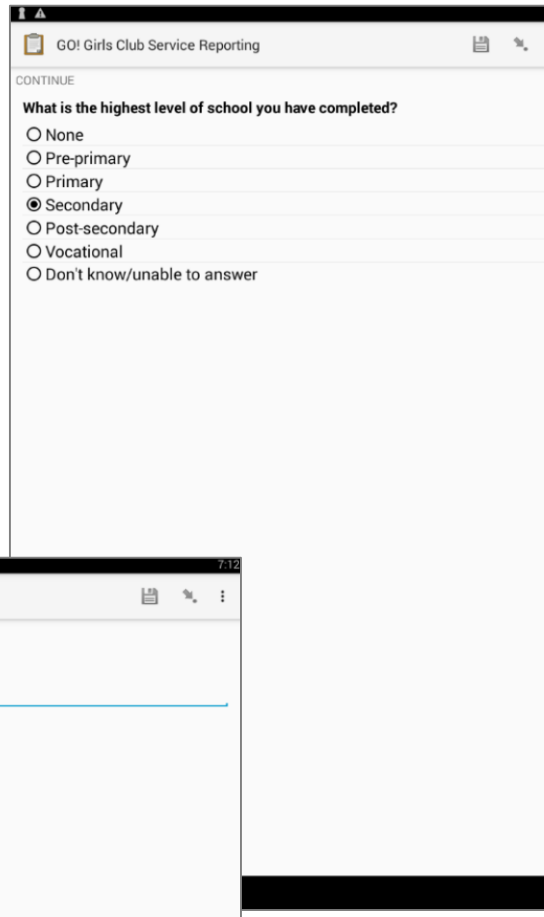
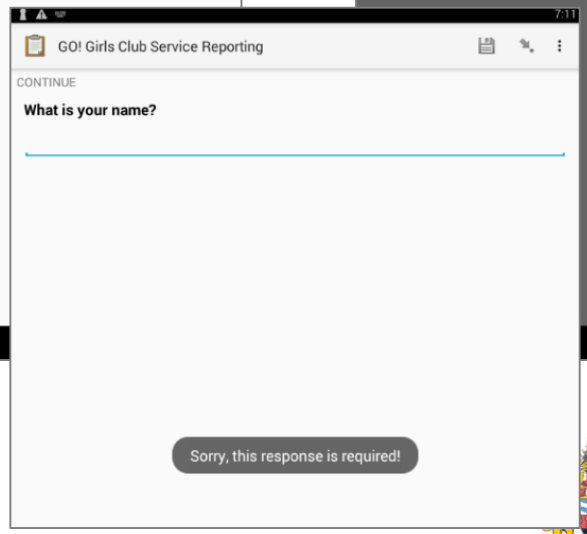
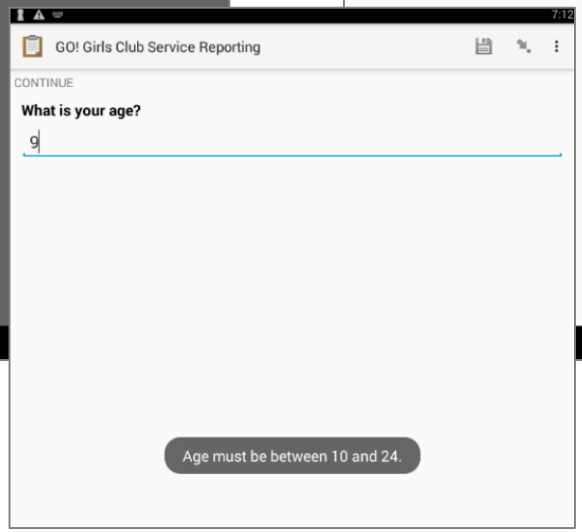
# ODK Collect App

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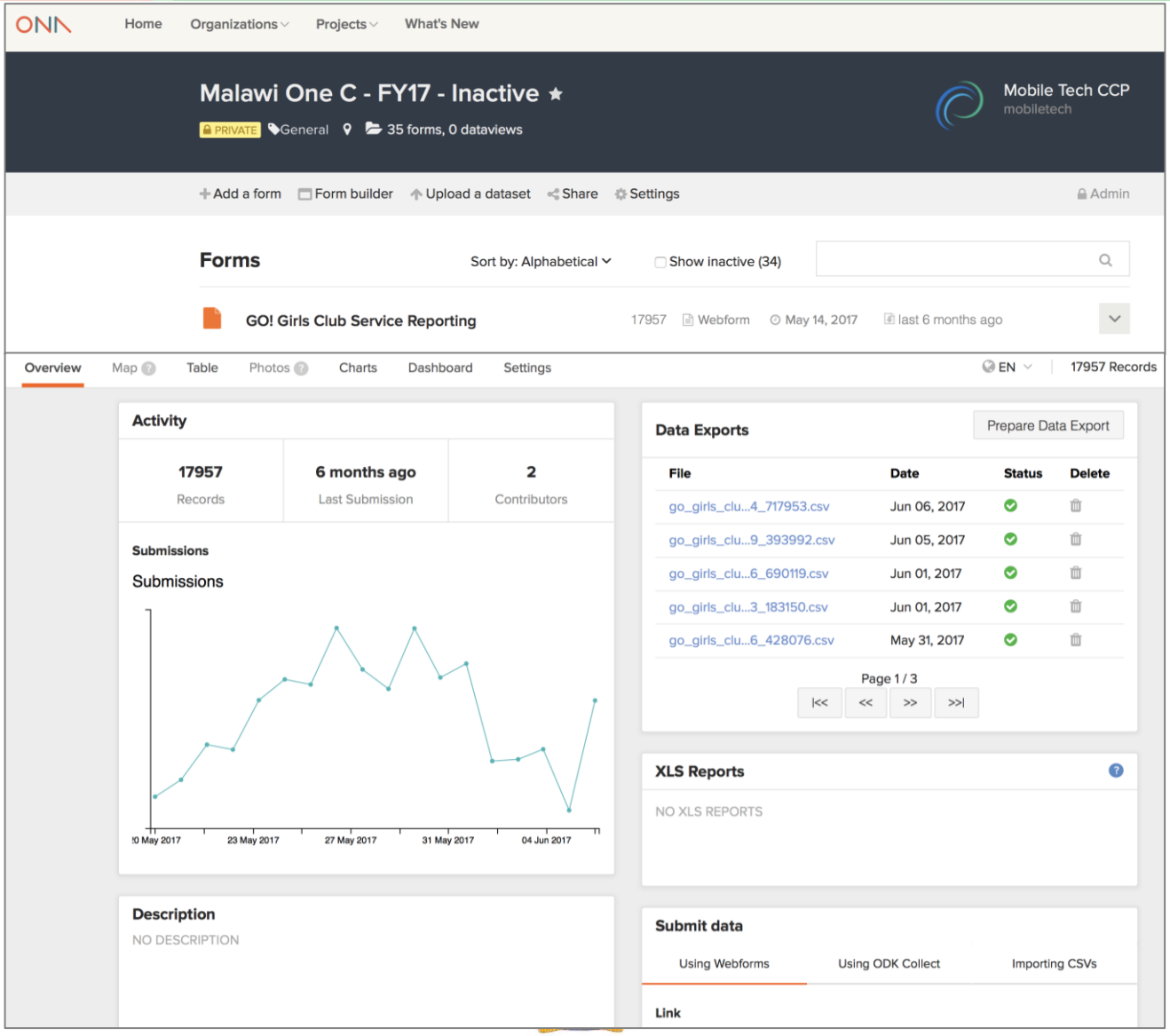
# Ona.io Server and Metadata

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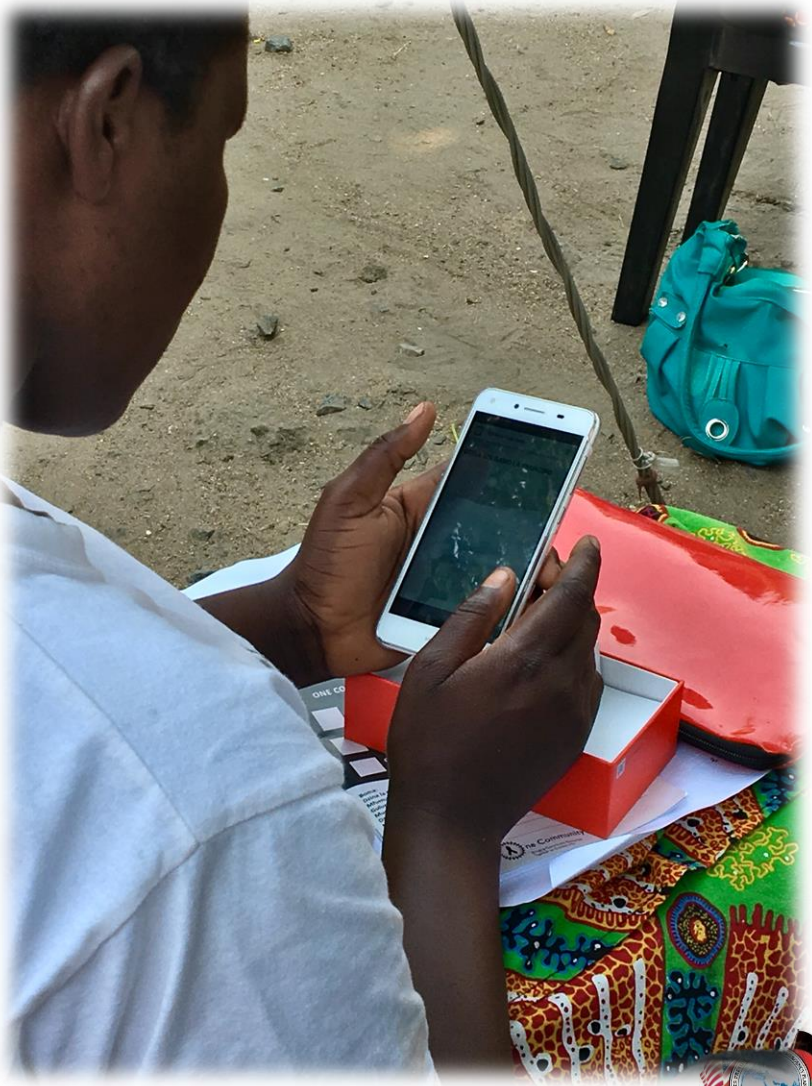
# The Outcome

- Survey developed
- Questionnaire adapted for EDC within 2 days
- Administered to over 18,000 girls (completed forms) over 16 days
- Draft report written and submitted 2 days later

- Survey development → secure, quality data collection from18,000 respondents → draft report in < 3 weeks



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# Principles for Digital Dev.

- **Data driven** adaptive management
- Leverage existing **ecosystem**
- **Collaborate** efficiently with donors or partners
- Data **security** paramount
- Learned and **adapted** EDC for **scale** and **sustainability**

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# Wrap Up & Larger Implications

- Whether in response to internal program redesign or due to external donor and stakeholder requests, monitoring tools must be responsive and adaptable

- Digital tools facilitate responsive and adaptive monitoring… and program monitoring is critical to improving programs as they grow, shift, and change

- Collecting, processing, and understanding quality data is a core and necessary ingredient to adaptive management

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# Thank you on behalf of One C!

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