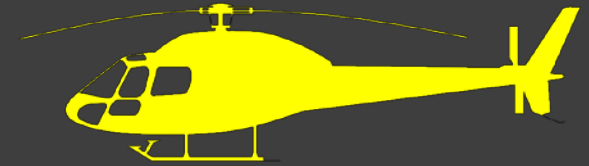


Multi-Mode User Input for Mobile Clinical CASIC Systems



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Disclaimer



The views expressed in this presentation are those of the authors and do not necessarily represent the views of the Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc., Uniformed Services University of the Health Sciences, or the Department of Defense (DoD).



IDCRP: A Global Network

The mission of IDCRP is to conduct infectious disease clinical research of importance to the military through a unique, adaptive, and collaborative network, to inform health policy and practice and disseminate findings in peer reviewed literature



Military Travel

IDCRP conducts clinical trials and other medical research of significant interest to the United States Department of Defense, including a US military travel-related illness study.

The TravMil study prospectively evaluates infectious disease risks, and the effectiveness of prevention and treatment strategies, in DoD beneficiaries traveling outside the continental United States.

Subject enrollment and data collection is conducted at six clinical sites.



TravMil Requirements

Four different versions of similar survey content depending on:

- Enrollment before or after travel
- Traveling for leisure vs. deployment

Subjects complete the self-guided survey on mobile system

Research coordinators :

- Enter surveys
- Review surveys
- Update surveys

Options for build:

- Four stand-alone surveys
- Combine into one survey interface

The image displays four overlapping screenshots of the IDCPR-037 TravMil Enrollment Survey Launch form. Each form is titled 'IDCRP-037 TravMil' and 'Enrollment Survey Launch'. The forms contain the following fields and questions:

- Study ID: _____
- Enrollee: _____
- Group #: _____
- Departure Date (dd/mm/yyyy): _____
- Return Date (dd/mm/yyyy): _____
- Is the subject part of a group enrollment?
 No
 Yes; Group Number: _____
- Will this subject complete the travel itinerary for the group?
 No
 Yes
- How will the enrollment survey be completed?
 The subject will complete the survey on the tablet
 The CRC will complete the survey on the tablet
- How will the itinerary be completed?
 The subject will complete the itinerary on the tablet
 The CRC will complete the itinerary on the tablet

Buttons for 'Subject Completion' and 'CRC Completion' are visible at the bottom of the forms.



IDCRP-037 TravMil

Enrollment

Site Code: 05 - NMCS D 09 - NMCP 00 - WRNNMC
 04 - SAMMC 14 - MAMC 46 - LRMC

Study ID: T 5 0 0 9 7 Trip Number: 1

Enrollment Date: 1 3 / F e b / 2 0 1 5

What type of enrollee is this survey for?

- Pre-travel enrollee
- Post-travel enrollee

TravMil Lite? No Yes (must be part of deployment group)

Date Assent/Waiver Signed (if applicable)

/ / 31

Post-Travel Survey Contact Preference:

- Email
- Telephone
- Mail

Follow-Up Survey Contact Preference:

- Email
- Telephone
- Mail
- N/A

Continue

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IDCRP-037 TravMil

Study ID: T50097-1 Enrollee Pre-travel Group #5022

Enrollment Survey Launch

Departure Date (dd/mon/yyyy)

1 7 / F e b / 2 0 1 5

Return Date (dd/mon/yyyy)

2 4 / M a r / 2 0 1 5

Is the subject part of a group enrollment?

- No
- Yes; Group Number 5 0 2 2

Will this subject complete the travel itinerary for the group?

- No
- Yes

How will the enrollment survey be completed?

- The subject will complete the survey on the tablet
- The CRC will complete the survey on the tablet

How will the itinerary be completed?

- The subject will complete the itinerary on the tablet
- The CRC will complete the itinerary on the tablet

Subject Completion

CRC Completion

<< Back to Enrollment

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Form Validation

- Validation Errors
 - TravMil Enrollment Survey
 - Itinerary Subform 1
 - Itinerary Subform 2
 - Q1. Today's date is required.
 - Q2. Gender is required
 - Q3. Age is required
 - Q3. Age (Months) is required
 - Q4. Ethnicity is required
 - Q5. Race is required
 - Q6. County of birth is required
 - Q12. Travel to developing areas is required
 - Q24. Pain/discomfort in abdomen is required
 - Q7 Lite. Status is required
 - Q9 Lite. Affiliation is required

Purpose of Travel

(check all that apply)

- Military
- Providing Medical Support
- Missionary Work / Humanitarian
- Other
- Pleasure / Vacation
- Civilian Business
- Visiting Friends and Relatives
- Teaching/Study
- Adventure Travel / Ecotour (swimming/diving/climbing)
- Adoption

Purpose of Travel

(check all that apply)

- Military
- Providing Medical Support
- Missionary Work / Humanitarian
- Other

18. In the last 3 months, did you often* have discomfort or pain centered in your upper abdomen (above your belly button, or the pit of your stomach)?

- No (Skip to question 24)
- Yes

19. Check your best description of this symptom, or the one that bothers you more . . .

- Pain in your upper abdomen or stomach (skip to Question 21)
- Discomfort (that is not painful) in your upper abdomen or stomach

20. If you have discomfort, which of the following describe your discomfort? (check all that apply)

- Nausea
- Bloating (a sensation of upper abdominal swelling)
- Feeling full after eating very little
- None of the above

21. Does your upper abdominal discomfort or pain usually get better or stop after you have a bowel movement?

- No or rarely
- Yes

22. When the upper abdominal discomfort or pain starts, do you usually have a change in your usual number of bowel movements (either more or fewer)?

- No or rarely
- Yes

Benefits

One front-end interface for all users

Pre-filled data and dynamic skip patterns based on setup of launch pages allows users to complete entries efficiently

Improves data quality by minimizing erroneous and inaccurate data entry

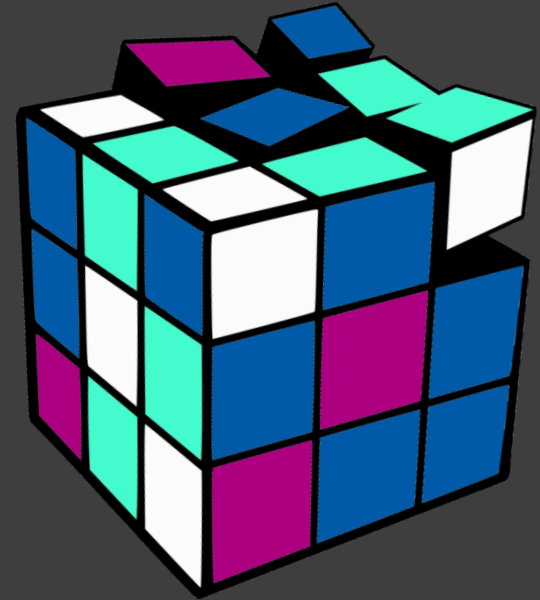


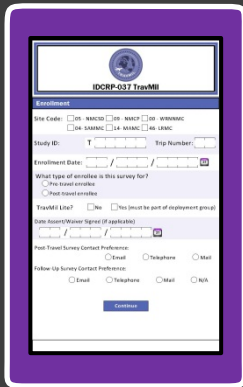
Considerations

Knowing rules for skip patterns based on user accessibility

New versions of surveys impact questions, responses, and screen design

Entry system to accommodate front-end programming for complex database design





**THANK YOU
FOR YOUR ATTENTION!**

