

### **Recent Innovations at RTI International**

Presented at FedCASIC 2013

March 19, 2013

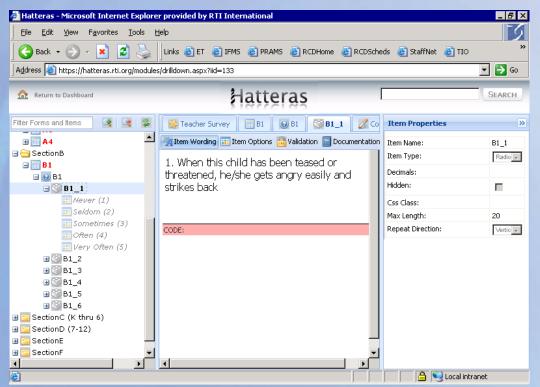


# **Development Updates**

## Hatteras – Continuing development

**New Survey Editor Features:** 

Revising Hatteras-survey-editor to generate XML code for Adobe AIR-based handheld software...



... and Blaise source code generation from Hatteras metadata





# Hatteras – Continuing development

New data management functions for survey and multisite clinical studies that use Hatteras as the data abstraction software

Event Form: Hospital Patient Accounts	Medical Expenditure Panel Survey Medical Provider Component Even	sureshdemo& Jane Doe ∢ t Form 1: February 15, 2009 ∢
E Verify total charges E ER Charges? Ancillary charges? Ancillary charges? Ancillary charges? Fee or Capitated LUMP SUM PMTS Lump Sum Payment? LSP Recorded? LSP Information Lump payment date SOURCES OF PAYMENT Payers and amounts Other Sources of Payment Auto or Accident Insurance CHDP/CHIP Indian Health Service State Public Mental Any more sources? Verify total payments  Verify payment=charge  CHDP/CHIP LOWERIFICATION OF PAYMENT Verify payment=charge  CHDP/CHIP	Other Payers edit delete Auto or Accident Insurance edit delete CHDP/CHIP edit delete Indian Health Service edit delete State Public Mental  What was that other source? IF "Other", PLE State Public Mental Plan  h. What was the payment amount?  Any more sources?  YES NO  Previous Next  Break	Amount 200 4788 300 200





RTI International is a trade name of Research Triangle Institute.

## ARTEMIS – Messaging for Health Interventions

- Small scale, proof of concept campaign for smoking cessation among Osage Nation women is testing culturally-relevant, evidencebased messages.
- HHS will use ARTEMIS for bilingual messaging in the UCARE4LIFE intervention pilot for HIV-positive youth



 To support longitudinal data collection, ARTEMIS can send customized compliance reminders based on response patterns and ongoing self-reports



# Using Twitter for Diary Surveys

- Twitter shows strong use by hard-to-reach populations
- Conducting six feasibility studies, capturing diary information on diet, activity or mood.
- Limitations of the Design
  - Small convenience sample
  - Limited ability to compare variables
- Overall Findings
  - Method shows promise
  - Relatively quick response



### RTISurvey2

Feb 24, 6:00pm via HootSuite

@[NAME1] What were you doing from 3:00PM-4:00PM today? #RTIsurvey2



### NAME1]

Feb 24, 7:23pm via Twitter for iPhone

@RTISurvey2 napping #RTIsurvey2

Show Conversation



### RTIFoodSurvey

Feb 23, 10:35am via HootSuite

@[NAME] #RTlfoodsurvey starts now! Share what you eat or drink through 03/01. Mention @RTlFoodSurvey & our hashtag, #RTlfoodsurvey

Show Conversation



### [NAME2]

Feb 27, 11:29pm via Web

@RTIFoodSurvey Cheese sandwich, potato chips, nuts and raisins, pint of vanilla cherry ice cream, and V8 juice. Is that a power dinner ???



### [NAME3]

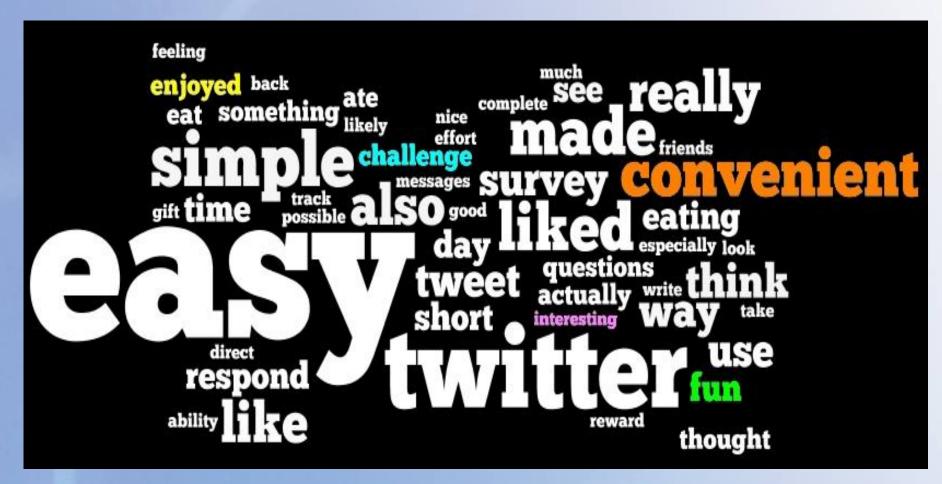
Feb 26, 8:41pm via Twitter for Android

@RTIFoodSurvey had chicken, mashed potatoes, green beans, and salad with fruit punch for dinner #rtifoodsurvey



# Using Twitter for Diary Surveys

And....Participants liked the method!





# SurveyPulse Mobile Panel



- SurveyPulse and its smartphone and tablet apps enable instant delivery of surveys, and realtime response
- Feasibility and methodology study for mobile survey panel
- Significantly reduces panel hardware provision and support.



# Crowdsourcing at RTI



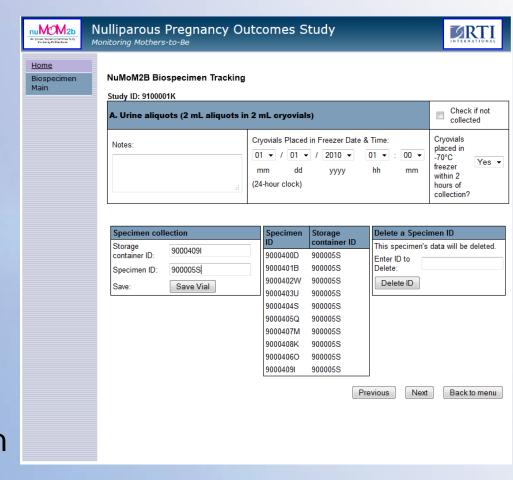




# **Other Developments**

# SSIMSnet – Web-based Biospecimen Tracking

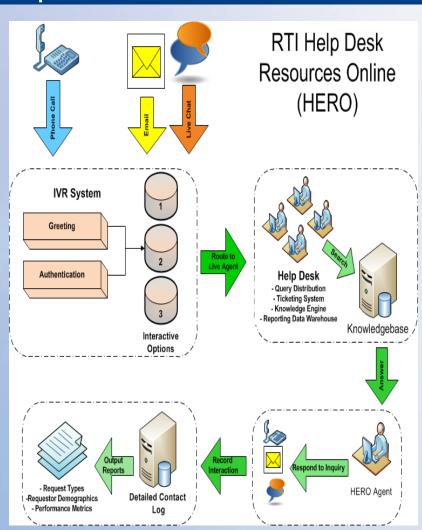
- Manages all steps of the biospecimen workflow.
- Simple wizard-like interface guides the user through each phase of collection and tracking.
- Creates detailed reports, shipment manifests, and handles electronic inventory management.
- Easy to customize UI can be configured to match paper forms.





## HERO – RTI Help Desk Resources Online

- Intelligent Routing of Phone,
   e-Mail or Web Chat Inquires
- Integrated Knowledge Base for Quick Response
- Complete Ticket Tracking with Annotations
- Captures and Reports Metrics
  - Volumes
  - Types Of Inquiries
  - Timeliness And Quality
     Of Response



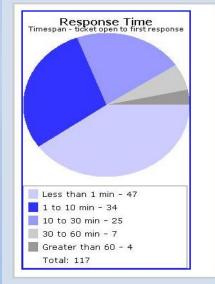


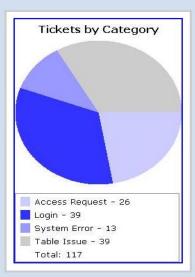
## HERO Reports

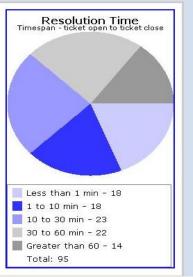
- Dashboard display of project data
  - ticket counts by month and category
  - response and resolution times
- Project details section contains project-specific reports, which are configured when a project is set up and as the need arises.

#### **Cumulative Statistics**









# Communicating Worldwide with Social Media

III ICT edge

SOLUTIONS TRIED AND TESTED IN THE REAL WORLD

NEWS ICT@RTI PROJECTS TOOLS

♣ Downloads

- Log in



Our experienced multidisciplinary team helps local partners to develop their own innovative ICT solutions to challenges in health, education, governance, economic growth, agriculture, and the



Providing better information to decision makers



environment.

NEWS: Tangerine:Class to Present at UNESCO Mobile Learning Week

#### PROJECT HIGHLIGHTS



### **Testing Reading Skills**

Cutting edge open source technologies enable electronic data collection for large early reading and math diagnostic assessments using the latest handheld tablets.



Connecting Citizens

Olutindo is designed to improve communications between citizens and their local government. In Uganda local government officials use a tablet application to monitor, manage, and help respond to citizen requests.



READ MORE

In Zimbabwe, RTI is working with the U.S. Centers for Disease Control and Prevention (CDC) and the Ministry of Health and Child Welfare (MOHCW) to improve disease surveillance using mobile phones.

All Projects >>

PRIVACY POLICY | TERMS OF USE | ABOUT THIS SITE | CONTACT US





RTI International, P.O. Box 12194, 3040 Cornwallis Rd., Research Triangle Park, NC 27709. ©2011 RTI International, All Rights Reserved, RTI International is a trade name of Research Triangle Institute.



# Communicating Worldwide with Social Media







By Sarah Pouezevara @spouez

Liberia Tangerine Field Trial May 2012, Photos by S. Pouezevara

.. Flickr @Flickr · Follow

1:40 p.m. - Feb 19, 2013 · Details

Flag media



### Contact Us:

Karen Davis

kdavis@rti.org

919-485-2799

**David Uglow** 

duglow@rti.org

919-541-7123

