

Quick Update about Sahana Vesuvius

Part of the National Library of Medicine's “Lost Person Finder” (LPF) Project

A Supplement to the Agasti PMC Report

Glenn Pearson

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Revised for release, 5/29. Similar material first presented May 23rd to Aquilent, Laurel, MD

Goal of the LPF Project - Family Reunification after a Disaster

■ Hospital Use Case

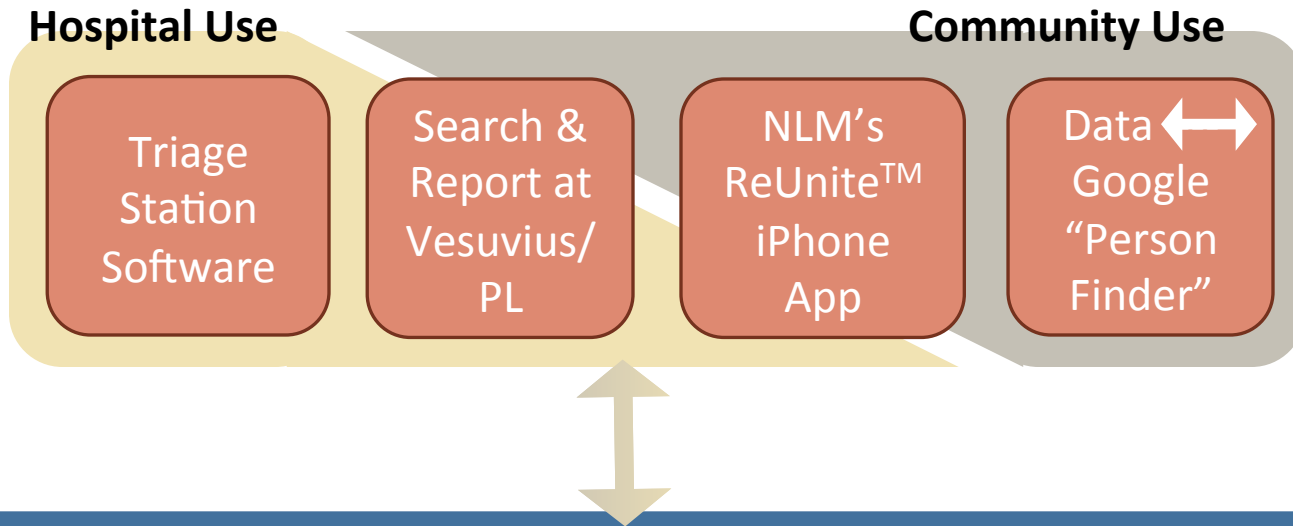
- Original focus, in conjunction with local Bethesda Hospitals' Emergency Preparedness Partnership
- Based on a 2008 project proposal by myself and Michael Gill (fed)
- Goals
 - Log disaster victims arriving at the hospital
 - Assist family reunification counselors
 - Reduce inquiry load on rest of hospital staff

■ Community Use Case

- First activated in response to the Haitian Earthquake
- For disasters of larger scope
- Goals
 - Provide a registry and tools for search and reporting by public or field workers
 - Promote data exchange among registries



Major Components and Data Flows



People Locator™ (PL) Web Site

<http://pl.nlm.nih.gov>



- LAMP architecture
 - Red Hat Enterprise Linux, Apache, MySQL, PHP
- SSF Vesuvius open-source code
- Improvements, extensions, customizations include:
 - AJAX GUI, filters, SOLR search engine
 - SOAP & JSON web services, email in/out



Example of Vesuvius/PL Integration with LPF Healthcare Mobile Tech

■ At Hospital Triage – NLM's TriagePic™

- Windows app, built with C#/.Net, ClickOnce deploy
- For arriving disaster victims, gathers
 - photo
 - assigned triage zone
 - minimal text & checkbox data
- Reports to Vesuvius/PL & hospital recipients over WiFi
- Family counselors, emergency managers consult Vesuvius/PL



■ TriagePic & Capital Shield 12

- October 2011 Drill
- “Patients” arrived at Suburban Hospital by helicopter (shown), ambulances, & on foot.
- TriagePic deployed on Motion Computing tablets
 - Win 7, 64-bit
 - finger and stylus touch
 - rear cam for patient shots
 - Better than separate Bluetooth camera
- Successful overall



TriagePic 1.35 of 10/21/2011 5:00 PM - Built for BHEPP at NLM, Deployed at NLM
Thursday, Oct. 27 2011 03:54 PM EDT Test with TriagePic - TEST/DEMO/DRILL

Main Info | Requests | Policies | Checklist (Event, Staff) | Outbox | Distribution | Email Setup | Hospital

Initial Triage

WebCam

Simulate Camera
Default Shot for Demo
Browse...

Selected Photo
Delete Bad Role: Primary Caption extra:

Gender: M ☐ F ☒

Peds ☒ Adult ☐

Barcode Patient ID

Patient ID: 911-2520 First, Middle, Nick Name(s): Last Name(s):
Example: William "Bill" Q. Example: von Trappe, Jr.

Send Report about Person Going to Zone
Green BH Green Yellow Red Gray Black Practice Mode

Noteworthy Recent Deployments with Exchange of Data

- Exchange with Google Person Finder – Sendong, Philippines, December, 2011

The screenshot displays the 'People Locator for Typhoon Sendong' web application. The header includes the title and date 'of December 18, 2011', along with the U.S. National Library of Medicine logo. A search bar at the top shows 'Found 45 out of 45 records in 0.066 seconds'. On the left, there are filters for 'Status' (Missing: 15, Alive and Well: 7, Injured: 0, Deceased: 0, Unknown: 22, Found: 1) and 'Gender' (Male: 20, Female: 22, Complex: 0, Unknown: 3). The main area shows a grid of person cards. One card for 'Noel Naguita' is highlighted with a red box, and a detailed profile window is open for him. The profile window shows a photo of a man in a basketball jersey, and fields for Name, Age (46), Gender (Male), Status (alive and well), When Reported (2012-02-01 06:54 UTC), Last Known Location (N/A), and Comments (N/A). A link 'See more information about this person (full record)' is at the bottom of the profile window.

People Locator for Typhoon Sendong
of December 18, 2011
U.S. National Library of Medicine
Lister Hill National Center for Biomedical Communications

Search for a Person
Report a Person
Help and Resources
Home

Found 45 out of 45 records in 0.066 seconds

Page - 1 2

Display Options
Sort By: Relevance
Mode: Interactive

Status
☒ Missing 15
☒ Alive and Well 7
☒ Injured 0
☒ Deceased 0
☒ Unknown 22
☒ Found 1

Gender
☒ Male 20
☒ Female 22
☒ Complex 0
☒ Unknown 3

Age
☒ Youth (0-17) 8
☒ Adult (18+) 28
☒ Unknown 9

Search Results:

- Aquillo Amarga**
Age: 58
Gender: Male
Updated: 2012-02-01 11:16 UTC
Status: missing
- Noel Naguita**
Age: 46
Gender: Male
Updated: 2012-02-01 06:54 UTC
Status: alive and well
- Susan Tantoy**
Age: Unknown
Gender: Unknown
Updated: 2012-01-20 15:36 UTC
Status: unknown
- Domingo Clemente**
Age: Unknown
Gender: Male
Updated: 2012-01-19 10:57 UTC
Status: missing
- Carlos David**
Age: 81
Gender: Male
Updated: 2012-01-09 01:39 UTC
Status: unknown
- Haydee Mendiola**
Age: 62
Gender: Female
Updated: 2012-01-08 07:43 UTC
Status: unknown
- Jane Yabo**
Age: 28
Gender: Female
Updated: 2012-01-02 07:38 UTC
Status: alive and well
- Jane Yabo**
Age: 28
Gender: Female
Updated: 2012-01-02 07:37 UTC
Status: alive and well
- james brownell**
Age: Unknown
Gender: Male
Updated: 2011-12-31 04:34 UTC
Status: unknown

Profile for Noel Naguita:

- Name: Noel Naguita
- Age: 46
- Gender: Male
- Status: alive and well
- When Reported: 2012-02-01 06:54 UTC
- Last Known Location: N/A
- Comments: N/A

[See more information about this person \(full record\)](#)

- Turkey Earthquake, October 23, 2011
- Demo for Australian Red Cross, April 2012
- For patient tracking during move of St. Francis Hospital, Indianapolis, March 2012