

Farm Mapping to Assist, Protect and Prepare Emergency Responders: Farm MAPPER



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QR code

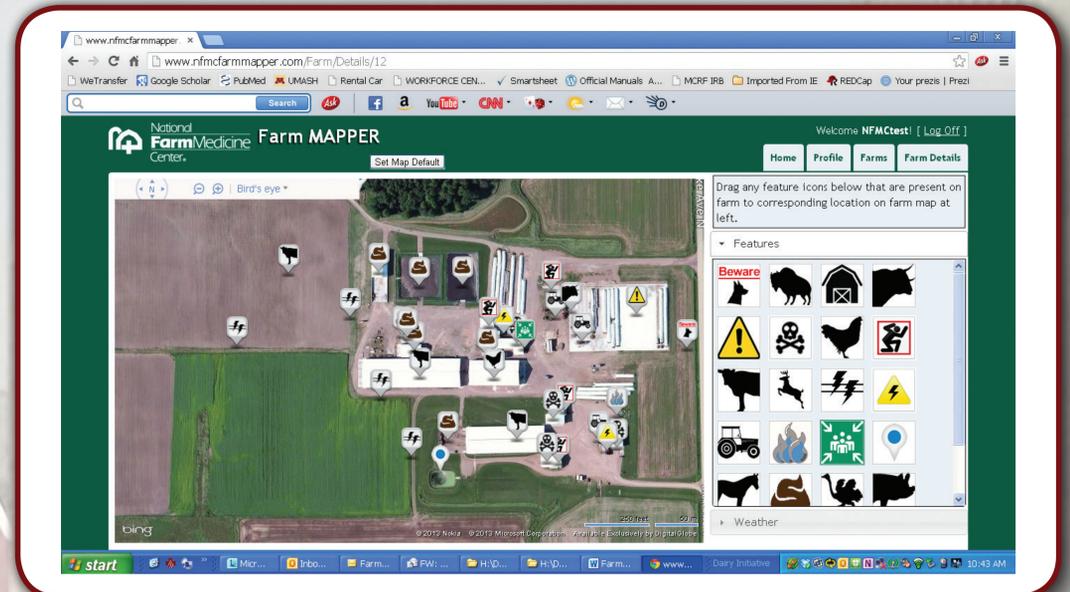
Background

- Emergency medical services (EMS) personnel rarely have information on resources, hazards and farm layout
- QR codes are matrix barcodes which can link electronic devices to the cloud instantaneously

Significance

The Farm MAPPER tool can:

- assist responders in farm emergencies
- protect responders from injuries caused by farm hazards
- prepare responders by identifying resources on the farm



Screenshot of a sample farm map on www.NFMCfarmMAPPER.com

Aims and Methods

1. Develop secure user-friendly application for farmers to map their farm
2. Do early usability testing with farmers
3. Refine data entry interface
4. Test QR code linking efficacy, website security and field usability through mock responses
5. Refine linking, usability and security operations



Mock response with first responders using Farm MAPPER

Other Applications Being Explored

- Engage farm equipment manufacturers to post extrication instructions linked to on-site machineries for entrapment situations
- Create linked online training videos and materials for immigrant farm workers
- Determine willingness of farmers nationwide to map farm
- Determine technical capabilities of emergency response systems including fire, ambulance and dispatch
- Explore innovative map display options such as heads up displays

Results

- Farmers and first responders found the website easy to use and practical
- First responders liked the QR code feature

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Stakeholders



First responders



Insurance companies



Farmers

Testimonials

"That is pretty cool. That's all you would need, just click on it and it tells you."
Pittsville EMS Chief

"Simple to operate. It's like one-stop shopping."
Pittsville Fire Chief

"It's very easy to use."
Travis, Farmer

"I like this. You're going to get me hooked on computers then I won't get any work done."
Bruce, Farmer



Farm worker



Local community