

Humanitarian Technology Challenge Conference

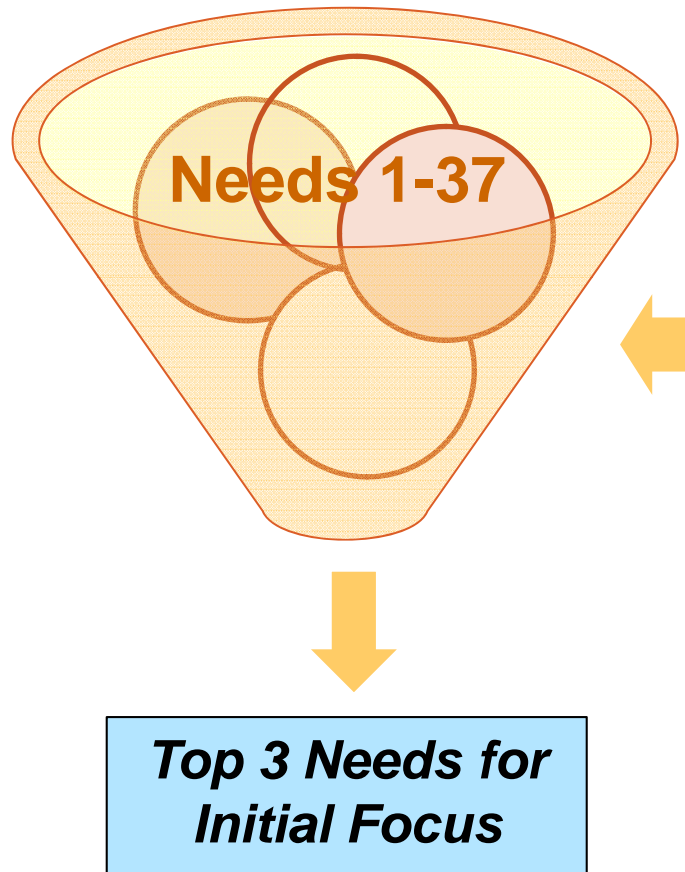
1-2 June, 2009
Washington, DC

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Need Identification

Conducted Four Focus Groups with Humanitarians, Identifying 37 Critical Needs



Prioritization Criteria

Scope of challenge and number of people impacted

Magnitude of anticipated benefits

Breadth and complexity of potentially applicable technologies

Probability of success

Scalability of the solution



Initial Challenges to be Addressed

Challenge	Description
<i>Reliable Electricity</i>	Availability of electric power for lighting and other electronic devices in resource-constrained environments. <i>Important for education, communications, and economic development.</i>
<i>Data Connectivity of Rural District Health Offices</i>	Capability of exchanging data among remote field offices and central health facilities. <i>Important for accessing treatment protocols, creating and monitoring health trends, and sharing results of treatments.</i>
<i>Patient ID Tied to Health Records</i>	Consistent availability of patient medical records. <i>Important for ongoing treatment of patients, especially migrants and those with long-term diseases.</i>



Some Potential Focus Areas

<i>Reliable Electricity</i>	<i>Data Connectivity</i>	<i>Patient ID</i>
One Kilowatt Power Generator	Extend Backbone Connectivity of Major Cities to Rural Areas	Biometrics as Patient ID
Intelligent Charging and Load Management System	Establish Common Standards and Protocols	Medical Records – Data Storage and Management
Improved Utilization of Current Electricity Sources	Monitoring and Maintenance of Network and Equipment	Legal and Ethical Issues on Collection and Storage of Patient Data
Smart Next-Generation Energy Systems	Establish Viable Business Models that Drive Deployment	Establishment of Standards

