

# Geospatial Transforming Health & Well-Being – Opportunities For Future Entrepreneurs

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- Strong Policy Support
  - Expected to grow from USD110 billion to USD280 billion by 2020
  - Government emphasis on eHealth
  - Increase in expenditure (both public and private players)



- Challenges in HealthCare sector
  - Resource shortage(Manpower, Infrastructure)
  - Paper based or Obsolete/Legacy IT systems
  - Inconsistent data standards
  - Delivery of healthcare services to rural/remote areas



# India – Healthcare

- Opportunities
  - Large Investments
  - Leverage ICT to improve delivery and reduce cost
  - Strong potential for impact



# Geospatial Analysis

- Large amount of data can be captured using IOT/wearable devices
- Collaboration between different data sets
- Big data and geospatial analytics based solutions for rapid and accurate detection and treatment
- Improve outcomes and impact of programs



# Case Study - National Survey on HIV/AIDS

- HIV/AIDS among HRGs
- 300 districts across India
- 200,000 respondents
- Offline data collection in remote areas



# National Survey on HIV/AIDS



# National Survey on HIV/AIDS

Lab Code	Case ID	Collected by	Survey Start Date	Cluster Name	Geo Co-ordinates	Diff. b/w Venue and CTS GIS (in Meters)	Date Of Collection	Interview Completed	Paper/Live/Partial Entry	Paper Entry Reason	Survey Abort Reason	IME
33302	3341110153		30/12/14 16:47:30			1361.73	30/12/2014	yes	Complete live Entry			3584
33302	3341110152		30/12/14 16:25:42			-	30/12/2014	yes	Complete live Entry			3584
33302	3341110150		30/12/14 16:05:13			1361.73	30/12/2014	yes	Complete live Entry			3584
33302	3341110151		30/12/14 16:04:59			-	30/12/2014	yes	Complete live Entry			3529
33302	3341110149		29/12/14 19:47:11			40.49	29/12/2014	yes	Complete live Entry			3584





# National Survey on HIV/AIDS



# Outcome

- Transparency in data capture
- Real Time alerts - Monitoring and Data Quality
- Nationwide sample selection time reduced from 6 months to a few days
- 25% reduction in sample size
- Survey Report covering 30 states was done in 3 months against 2 years for previous survey





Thank You