Medical Imaging - India

• Number of Radiologists in developed countries/India:
  o USA: ~ 27,000 for 300 million
  o India: ~ 5,500 for 1080 million

• Radiologist compensation is linked with number of patients handled (consultants)

• PACS is not common in India (only 2 hospitals in Bangalore)

• EHR – Non-existing!!! (1 hospital in Bangalore)

Medical Imaging - India

• Indian Radiologist patient load is at least 15 times more compared to their counterparts in USA
• Radiologists consult at multiple sites given a day
• Most daily follow-ups happen on Mobile phone
• Mobile applications – image view/diagnosis ????

Medical Imaging - India

• Computer aided diagnosis – need of the hour in the Indian context
• Western models may not be a perfect fit for India.
• Imaging center in India: 1/2 Petabyte data per day
• Focus: more efficient, high throughput, and less resource hungry solutions.
Medical Imaging – India Teleradiology Solutions

http://www.telradsol.com/index.html

### TRS: Expanding Footprint

<table>
<thead>
<tr>
<th>Year</th>
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<th>Images Read</th>
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Medical Image Informatics

- The Key Challenge is to design solutions
  - Improved outcomes and yield
  - Non-invasive and non-ionizing solutions
  - Less procedure time, faster recovery
  - Higher throughput and less cost (m-Health)

**Tools:** Reliable and Safe