Business growth is fueled by digital transformation...
## Healthcare: CheXpert

<table>
<thead>
<tr>
<th>Pathology</th>
<th>Positive (%)</th>
<th>Uncertain (%)</th>
<th>Negative (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Finding</td>
<td>16627 (8.86)</td>
<td>0 (0.0)</td>
<td>171014 (91.14)</td>
</tr>
<tr>
<td>Enlarged Cardiom.</td>
<td>9020 (4.81)</td>
<td>10148 (5.41)</td>
<td>168473 (89.78)</td>
</tr>
<tr>
<td>Cardiomegaly</td>
<td>23002 (12.26)</td>
<td>6597 (3.52)</td>
<td>158042 (84.23)</td>
</tr>
<tr>
<td>Lung Lesion</td>
<td>6856 (3.65)</td>
<td>1071 (0.57)</td>
<td>179714 (95.78)</td>
</tr>
<tr>
<td>Lung Opacity</td>
<td>92669 (49.39)</td>
<td>4341 (2.31)</td>
<td>90631 (48.3)</td>
</tr>
<tr>
<td>Edema</td>
<td>48905 (26.06)</td>
<td>11571 (6.17)</td>
<td>127165 (67.77)</td>
</tr>
<tr>
<td>Consolidation</td>
<td>12730 (6.78)</td>
<td>23976 (12.78)</td>
<td>150935 (80.44)</td>
</tr>
<tr>
<td>Pneumonia</td>
<td>4576 (2.44)</td>
<td>15658 (8.34)</td>
<td>167407 (89.22)</td>
</tr>
<tr>
<td>Atelectasis</td>
<td>29333 (15.63)</td>
<td>29377 (15.66)</td>
<td>128931 (68.71)</td>
</tr>
<tr>
<td>Pneumothorax</td>
<td>17313 (9.23)</td>
<td>2663 (1.42)</td>
<td>167665 (89.35)</td>
</tr>
<tr>
<td>Pleural Effusion</td>
<td>75696 (40.34)</td>
<td>9419 (5.02)</td>
<td>102526 (54.64)</td>
</tr>
<tr>
<td>Pleural Other</td>
<td>2441 (1.3)</td>
<td>1771 (0.94)</td>
<td>183429 (97.76)</td>
</tr>
<tr>
<td>Fracture</td>
<td>7270 (3.87)</td>
<td>484 (0.26)</td>
<td>179887 (95.87)</td>
</tr>
<tr>
<td>Support Devices</td>
<td>105831 (56.4)</td>
<td>898 (0.48)</td>
<td>80912 (43.12)</td>
</tr>
</tbody>
</table>
Accelerated Lifestyle of Mobility
100 MP Camera & HD4K Lens

Ear Piece, CPU & Sensor Hub

BCI Patch

Microphone Implant

5G IMT-A 10GB/sec Microfiber Antenna
“I skate to where the puck is going to be – not where it has been”

Wayne Gretzky
Cisco’s portfolio evolution: The new network
To enable automation and IT operations

Intent-based Networking
Users, Devices, Apps, Security Intent & Policy

Multi-Domain Solutions
Enterprise, Data Center, Service Provider, Security

APIs and Programmability
Automation, Agility, Scale DevOps & CI/CD
Digital transformation at every level

Business

Applications

Infrastructure
This changes how networking is done. Software skills are critical.
Innovate with a programmable infrastructure
Write once, deploy, run everywhere

Catalyzes new applications
Elevates the role networks play in business
Changes how networking is done
Apps and infrastructure
Historically managed separately
The IT Team of the Future

World of Infrastructure Engineers + World of Software Developers

Cisco will help build this
Certifications drive transformative skills

90% Of CEOs say their company is facing disruptive change driven by digital technologies

70% Of CEOs say their company doesn’t have the skills to adapt

78% Of technology execs/managers believe technical certifications are a critical success factor
Cisco’s new certification suite
Cisco Certifications

Engineering
- Associate Level: CCNA
- Specialist Level: CCNP
- Professional Level: CCIE

Software
- Associate Level: DEVNET
- Specialist Level: DEVNET
- Professional Level: DEVNET
- Expert Level: DEVNET
Certified employees are valued assets

99% of organizations use certifications to make hiring decisions

- Increased performance of certified employees
  - +59% higher quality of service
  - +42% better selection of technology solutions
  - +41% more efficient operations
Cisco Networking Academy

2.15M Currently Enrolled Globally

Preparing people for IT careers since 1997

- 12,100 Academies
- 180 Countries
- 10.9M Students Served
- 26,500 Instructors

October 2019