Description:
Telemedicine, Tele-health, M-Health and Connected Health are all terms that pertain to the use of telecommunications and information technology in order to provide electronic assisted healthcare services. They form the ecosystem that contains all standards, businesses, and operations related to the industry of Electronic Healthcare, which include a wide range of stakeholders including patients, doctors, physicians, nurses, and more.

The fast growing area of Health Care IT Solutions is encompassing many different technologies including Internet of Things (IoT), broadband wireless, robotics, telepresence, artificial intelligence, machine communications, Big Data and Analytics. Connected health goes beyond healthcare services and administration, covering the entire value chain such as Laboratory Information Systems (LIS). Connected health business models are also transforming as the Cloud-based "as a Service" model facilitates the ability to treat many healthcare products as ongoing services. The evolving area of Real-Time Remote Medical Diagnosis Systems promise to revolutionize the detection and prescriptive abilities of healthcare diagnostics as IoT technologies integrate with Electronic Healthcare Records systems.

This research provides a technology and market assessment for E-Health, Telemedicine, Tele-health, and M-Health. The report provides an overview of these sectors, including technologies, applications, and related market potential. The report also provides a review of key players in each sector and future outlook for this industry segment. The report also addresses the critical ICT areas of Cloud and Data Management in support of digital healthcare. The report includes forecasts in key telemedicine market sectors for 2016 - 2021. All purchases of Mind Commerce reports
includes time with an expert analyst who will help you link key findings in the report to the business issues you’re addressing. This needs to be used within three months of purchasing the report.

**Target Audience:**
- Telecom service providers
- Wireless device manufacturers
- Healthcare technology suppliers
- Application developers and app stores
- Regulators and governmental agencies
- IoT infrastructure and service providers
- Anyone focused on the healthcare industry

**Report Benefits:**
- Forecasts through 2021
- Identify key players and solutions
- Understand evolving business models
- Identify leading solutions and applications
- Recognize the future of telemedicine in ICT
- Identify convergence with Big Data, and analytics
- Identify opportunities for Cloud-based healthcare

**Table Of Contents:**

1 Introduction
   1.1 Background
   1.2 Scope of Research
   1.3 Target Audience
   1.4 Companies Covered in Report

2 Executive Summary

3 Telemedicine Overview
   3.1 E Health
   3.2 Telemedicine
   3.3 Telehealth
   3.3.1 Advantages of Telehealth
   3.3.2 Telehealth Case Study
   3.4 M-Health
3.4.1 Advantages of M-Health
3.4.2 M-Health a Sub-set of TeleHealth
3.5 Connected Health
3.5.1 Advantages of Connected Health
3.5.2 Case Study in Broad-based Connected Health

4 Telemedicine Technologies

4.1 Communications Technologies
4.1.1 Third and Fourth Generation Cellular
4.1.2 WiFi
4.1.3 Bluetooth
4.1.4 Machine-to-Machine (M2M) Communications
4.1.5 Location Tracking Technologies
4.2 Imaging Technologies
4.2.1 X-ray
4.2.2 CT
4.2.3 Ultrasound
4.2.4 MRI
4.2.5 PET/CT
4.2.6 Bone Densitometry
4.2.7 Mammography
4.3 ICT Technologies
4.3.1 Internet of Healthcare Things (IoHT)
4.3.2 Wearable Technology
4.3.3 Cloud Computing
4.3.4 Big Data and Analytics

5 Market Demand and Potential for Telemedicine

5.1 Consumer Side Demand
5.2 Connected Health
5.3 M-Health
5.4 Service Providers Side Demand
5.5 Market Sizing
5.5.1 M-Health
5.6 E-Health Market Growth Drivers
5.6.1 Technology Evolution
5.6.2 Service Cost
5.6.3 Policies
5.6.4 Research and Development
5.6.5 Government Support
5.7 Telemedicine SWOT Analysis
5.7.1 Strengths
5.7.1.1 Official Technology Support from Policymakers
5.7.1.2 Time Savings
5.7.2 Weaknesses
5.7.2.1 Varying levels of Success
5.7.2.2 Human Culture
5.7.2.3 More Research Needed
5.7.2.4 Need for more Confidentiality
5.7.3 Opportunities
5.7.4 Growing Potential
5.7.4.1 Strong Opportunities for Pharmaceutical Companies
5.7.4.2 Integrated Opportunities
5.7.4.3 Potential Opportunities for Enhancement of User Experience
5.7.5 Threats
5.7.5.1 Legislation
5.7.5.2 Internet for the Elderly
5.8 Stakeholder Analysis
5.8.1 Individuals
5.8.1.1 Patients
5.8.1.2 Informal Care Givers
5.8.2 Health Provider Organizations (HPOs) and Staff
5.8.2.1 Physicians
5.8.2.2 Tele Service Centers
5.8.2.3 Primary Care Organizations
5.8.2.4 Specialist Care Organizations
5.8.2.5 Hospitals
5.8.2.6 Pharmaceutical Companies
5.8.2.7 Medical Transportation Services
5.8.2.8 Nursing Homes
5.8.2.9 Care Professionals
5.8.2.10 Telemedicine Suppliers
5.8.2.11 Public/Private Healthcare Institutions
5.8.2.12 Disease Management Companies
5.8.2.13 Rehabilitation Centers
5.8.2.14 Payers
5.8.2.14.1 Healthcare Payers
5.8.2.14.2 Social Care Payers
5.8.2.15 Social Security Offices
6 E-Health Solutions

6.1 Cardiology
6.1.1 Solution Providers
6.1.1.1 CompuMed Enterprise Telemedicine Solutions
6.1.1.2 Advanced Cardiac Diagnostics
6.1.1.3 VoxelHeart
6.1.1.4 Meddiff Technologies Pvt. Ltd.
6.1.1.5 VALIS Telemedicine Solutions

6.2 Dermatology
6.2.1 Solution Providers
6.2.1.1 TELEDerm
6.2.1.2 Time for Medicine
6.2.1.3 TeleSkin
6.2.1.4 3Derm Systems

6.3 Neurology
6.3.1 Solution Providers
6.3.1.1 Access Psychiatry Solutions, LLC
6.3.1.2 Specialists on Call Inc

6.4 Orthopedics
6.4.1 Solution Providers
6.4.1.1 VIMED
6.4.1.2 MEYTEC GmbH

6.5 Oncology
6.5.1 Solution Providers
6.5.1.1 Reid Telehealth

6.6 Pathology
6.6.1 Solution Providers
6.6.1.1 Remote Medical Technologies
6.6.1.2 Leica Biosystems
6.6.1.3 Meyer Instruments, Inc.
6.6.1.4 Optra Systems, Inc
6.6.1.5 Ver2 Digital Medicine

6.7 Radiology
6.7.1 Solutions Providers
6.7.1.1 MRI Diagnostics
6.7.1.2 Meridian Teleradiology
6.7.1.3 All-American Teleradiology, LLC
6.7.1.4 Real Radiology

6.8 Dentistry
6.8.1 Service Providers
6.8.1.1 i2i TeleSolutions & TeleMedicine Pvt.Ltd

7 Healthcare System Applications

7.1 Clinical Information Systems (CIS)
7.1.1 Solutions Providers
7.1.1.1 Agfa HealthCare
7.1.1.2 iMDsoft
7.1.1.3 Sysmex Corporation
7.1.1.4 JVS Technologies Pvt. Ltd.
7.1.1.5 Medline Clinical Technology

7.2 Electronic Health Record (EHR)
7.2.1 Solutions Providers
7.2.1.1 Anthelio Healthcare Solutions (Formerly PHNS)
7.2.1.2 NoemaLife
7.2.1.3 Merge Healthcare Inc.
7.2.1.4 gloStream
7.2.1.5 Elad Health

7.3 Real Time Health Systems (RTHS)
7.3.1 Solution Providers
7.3.1.1 Terso Solutions
7.3.1.2 Extrahop Networks

7.4 Nursing Information Systems (NIS)
7.4.1 Service Providers
7.4.1.1 NIVATE Online

7.5 Computer Aided Diagnosis (CAD)
7.5.1 Solutions Providers
7.5.1.1 Scriptor Software, LLC
7.5.1.2 RaPID Medical Technologies LLC
7.5.1.3 Seventh Sense Software
7.5.1.4 custo med GmbH
7.6 Pharmacy Information Systems (PIS)
7.6.1 Solutions Providers
7.6.1.1 Integra: Pharmacy Management Systems
7.6.1.2 CompuMedical - Health Care IT Solutions
7.7 Laboratory Information Systems (LIS)
7.7.1 Solutions Providers
7.7.1.1 CliniComp, Intl.
7.8 M-Health Business Models
7.8.1 Solutions Providers
7.8.1.1 Appdragon Ltd
7.9 Remote Data Collection
7.10 Remote Monitoring
7.10.1 Service Providers
7.10.1.1 MobileCARE
7.11 Communication and Training for Healthcare Workers
7.11.1 Service Providers
7.11.1.1 PCC Hellas
7.12 Diagnostic and Treatment support
7.12.1 Service Providers
7.12.1.1 EyeNetra
7.12.1.2 Appian Medical

8 Telemedicine / Telehealth Business Models

8.1 Telemedicine at Schools
8.1.1 Service Providers
8.1.1.1 e-Psychiatry
8.1.1.2 eVirtualHealth
8.2 Telemedicine for Remote Caregivers
8.2.1 Service Providers
8.2.1.1 VirtuMedix
8.2.1.2 Televero Health
8.3 General Web-based E-medicine and Treatment
8.3.1 Service Providers
8.3.1.1 Meddiff Technologies Pvt. Ltd.
8.4 Home Monitoring
8.4.1 Service Providers
8.4.1.1 Trapollo
8.5 Community Care/Rural Health Centers
8.5.1 Service Providers
8.5.1.1 C3O Telemedicine
8.5.1.2 Telmedx
8.6 Pre-hospital Emergency Ambulance Service
8.6.1 Service Providers
8.6.1.1 Axio Biosolutions Private Limited
8.6.1.2 Medic Health
8.7 Critical Care Telemedicine
8.7.1 Service Providers
8.7.1.1 Integra
8.7.1.2 The Intensivist Group
8.8 ICU Patient Care
8.8.1 Service Providers
8.8.1.1 Advanced ICU Care
8.9 Elder People Monitoring Solutions
8.9.1 Service Providers
8.9.1.1 Lively Inc.
8.9.1.2 Vodafone

9 Connected Health Trends and Future Outlook

9.1 State of World Health
9.2 Telemedicine Technologies to Watch
9.2.1 New Purposes for Existing Technologies: SMS
9.2.2 New Purposes for Evolving Tech: Bluetooth Pills
9.2.3 Mobile Health Clinics
9.2.4 Real-Time Remote Medical Diagnosis System (RTRMDS)
9.2.5 Electronic Medical Records
9.2.6 Telemedicine Interoperability
9.3 Healthcare in the Cloud
9.4 Data Mining, Big Data, and Analytics in Healthcare
9.5 Wearable Technologies for Healthcare
9.6 Telemedicine as a Managed Service
9.7 Tele-pharmacy

10 Market Outlook and Forecasts

10.1 Market Outlook 2016 - 2021
10.2 Global Markets for Telemedicine: 2016 - 2021
10.3 Regional Markets for Telemedicine 2016 - 2021
10.4 Telemedicine Market by Technology 2016 - 2021
10.5 Telemedicine Submarkets 2016 - 2021
10.6 Telemedicine Markets by Stakeholders 2016 - 2021

11 Summary and Conclusions

List of Figures

Figure 1: Growth of School-based Healthcare Centers
Figure 2: Healthcare Centers: Urban, Rural, Suburban
Figure 3: WHO Healthcare by Country
Figure 4: Causes of Death 1900 vs. 2010
Figure 5: Global Telemedicine Market 2016 - 2021
Figure 6: Telemedicine Markets by Region 2016 - 2021
Figure 7: Telemedicine Markets by Technology 2016 - 2021
Figure 8: Telemedicine Submarkets 2016 - 2021
Figure 9: Telemedicine Markets by Stakeholders 2016 - 2021

List of Tables

Table 1: Global Telemedicine Market 2016 - 2021
Table 2: Regional Markets for Telemedicine 2016 - 2021
Table 3: Telemedicine Market by Technology 2016 - 2021
Table 4: Telemedicine Submarkets 2016 - 2021
Table 5: Telemedicine Markets by Stakeholders 2016 - 2021

Companies Mentioned:

1. 3Derm Systems
2. Access Psychiatry Solutions, LLC
3. Advanced Cardiac Diagnostics
4. Advanced ICU Care
5. Advantage Teleradiology
6. Agfa HealthCare
7. All-American Teleradiology, LLC
8. Amicas
9. Aperio
10. Appdragon Ltd
11. Appian Medical
12. Arogya
13. Axio Biosolutions Private Limited
14. Boove Software
15. C3O Telemedicine
17. CompuMed Enterprise Telemedicine Solutions
18. CompuMedical - Health Care IT Solutions
19. custo med GmbH
20. DEXCL
21. Elad Health
22. e-Psychiatry
23. eVirtualHealth
24. Evolent Health
25. EyeNetra
26. gloStream
27. i2i TeleSolutions & TeleMedicine Pvt.Ltd
28. iMDsoft
29. Integra
30. Integra: Pharmacy Management Systems
31. JVS Technologies Pvt. Ltd.
32. Lively
33. Meddiff Technologies Pvt. Ltd.
34. Medic Health
35. Medline Clinical Technology
36. Meridian Teleradiology
37. Meyer Instruments, Inc.
38. MN Natural Medicine
39. MobileCARE
40. NIVATE Online
41. NoemaLife
42. Nursing Informatics Institutes
43. Optra Systems, Inc
44. PCC Hellas
45. PHNS
46. RaPID Medical Technologies LLC
47. Real Radiology
48. Reid Telehealth
49. Remote Medical Technologies
50. RemoteDerm.com
51. Scriptor Software, LLC
52. Seventh Sense Software
53. Solutions Providers
54. Specialists on Call, Inc.
55. Statim
56. Sysmex Middle East FZ - LLC
57. TELEDerm
58. Teleradiology Solutions Us
59. TeleSkin
60. Televero Health
61. Telmedx
62. The Intensivist Group
63. Time for Medicine
64. Trapollo
65. VALIS Telemedicine Solutions
66. VeloSolutions
67. Ver2 Digital Medicine
68. VIMED
69. VirtuMedix
70. Vodafone
71. VoxelHeart

License Types:

**Single User License (PDF)**

- This license allows for use of a publication by one person.
- This person may print out a single copy of the publication.
- This person can include information given in the publication in presentations and internal reports by providing full copyright credit to the publisher.
- This person cannot share the publication (or any information contained therein) with any other person or persons.
- Unless a Global License is purchased, a Single User License must be purchased for every person that wishes to use the publication within the same organization.
- Customers who infringe these license terms are liable for a Global license fee.

**Site License (PDF)**

- This license allows for use of a publication by all users within one corporate location, e.g. a regional office.
- These users may print out a single copy of the publication.
• These users can include information given in the publication in presentations and internal reports by providing full copyright credit to the publisher.
• These users cannot share the publication (or any information contained therein) with any other person or persons outside the corporate location for which the publication is purchased.
• Unless a Global License is purchased, a Site User License must be purchased for every corporate location by an organization that wishes to use the publication within the same organization.
• Customers who infringe these license terms are liable for a Global license fee.

Global License (PDF)*

• This license allows for use of a publication by unlimited users within the purchasing organization e.g. all employees of a single company.
• Each of these people may use the publication on any computer, and may print out the report, but may not share the publication (or any information contained therein) with any other person or persons outside of the organization.
• These employees of purchasing organization can include information given in the publication in presentations and internal reports by providing full copyright credit to the publisher.

*If Applicable.


Links