+44 20 8123 2220
info@marketpublishers.com

Telemedicine and M-Health Convergence Market

https://marketpublishers.com/r/TCF37A70AB3EN.html
Date: September 2013
Pages: 879
Price: US$ 3,800.00 (Single User License)
ID: TCF37A70AB3EN

Abstracts

LEXINGTON, Massachusetts (September 11, 2013) – WinterGreen Research announces that it has published a new study Telemedicine and M-Health Market Convergence Shares, Strategy, and Forecasts, Worldwide, 2013 to 2019. The 2013 study has 879 pages, 299 tables and figures. Worldwide markets are poised to achieve significant growth as the telemedicine systems merge with the smart phone systems of engagement to provide a way to improve clinical care delivery to patients with chronic disease, decreasing hospitalizations and visits to the emergency room. There is a convergence of telemedicine and m-health as the patients become more responsible for their own care delivery and their own health

Clinical telemedicine services converge with m-health systems of engagement to lower cost of care and improve quality of care. Tele-medicine and M-Health Market Convergence driving forces relate to an overall trend toward ordinary people taking more responsibility for their own health. This trend has been more prevalent for women in the past 100 years than for men because women used to die very young and they had to learn how to keep themselves healthy. Women have been able to reverse this trend of dying young and to live longer than men in the past 40 years, illustrating that paying attention to health is important.

Healthcare patient, physician, and facility decision support markets are forecast based n the broad availability of smartphones combined with the IBM Watson technology that Watson offers Interactive Care Insights for Oncology. The cognitive systems use insights gleaned from the deep experience of Memorial Sloan-Kettering clinicians. Watson is positioned to permit clinicians to provide individualized treatment.

More options are based on patient medical information. IBM Watson in combination with Memorial Sloan-Kettering Cancer Center has information that represents the synthesis of a vast array of updated and vetted treatment. It is able to compute individual

treatment guidelines. This represents a revolution in cancer treatment care and presages a major revolution in all healthcare treatment and diagnosis.

Because Watson is able to leverage published research it can stay more current than any clinician or group of clinicians can. Watson-is a cognitive computing system. The aim of Watson is to streamline the healthcare delivery process. Watson supports the healthcare decision making process. The system has the ability to ensure evidence-based care is provided.

Both tele-medicine and m-health contribute to healthcare delivery in the home. M-health will surely be delivered over the smart phone. Tele-medicine is evolving toward smart phone device delivery as well.

The cost of tele-medicine for the US veterans administration is $1,600 per patient per annum. This is substantially less than other NIC programs and nursing home care which can easily run to $100,000 per annum. VHA's experience is that an enterprise-wide home tele-medicine implementation is an appropriate and cost-effective way of managing chronic care patients in both urban and rural settings.

Chronic disease conditions are best treated early on when there is a change in patient condition and an early intervention can make a difference. It is even better to treat them in a wellness treatment environment before there are indications of chronic disease, before symptoms develop, by addressing lifestyle issues early on.

Left to their own judgments, some patients typically are apt to make terrible decisions relating to their personal health either because of ignorance, genetic inheritance, or because of lifestyle habit. The ability to accurately access patient condition via a combination of advanced testing and telemonitoring creates the opportunity to intervene when what is called for clinically can make a difference, and permits provision for education regarding healthy living in a way that is likely to create compliance with clinician recommendations.

Home telemonitoring programs need to use advanced technology. Effective monitors support patient education. They support timely clinician intervention based on real vital signs data gathered on a daily basis. Health care for patients with congestive heart failure has been shown to be successful in reducing hospitalizations and trips to the emergency department, making these critical measures unnecessary in many cases.

Home patient monitoring means two things: the imminent rise of the expert patient whom the health authorities anticipate would self-manage his long-term medical conditions and the prominence of mobile devices as the go-between for clinicians and patients.

Telemedicine markets are emerging software markets. The consumer tablet computers are poised to become ubiquitous and inexpensive. As this happens telemedicine is becoming a fee for services much as a cell phone. The software runs on industry standard tablet computing devices. Clinicians gather patients information on a daily basis and provide consultation and intervention as needed for chronic conditions.

Telemedicine now delivered on proprietary devices is becoming obsolete. The Honeywell / Samsung strategic alliance represents the model that works. Telemedicine market analysis indicates that the price points are way below device costs and that companies are seeking to gain market share by working with clients.

Telemedicine device and software companies recognize that their revenue stream will come from services delivery. Just as cell phones are paid for in conjunctions with the services contracts, so also the telemedicine applications will be paid by insurance. In some cases the insurance companies recognize that their long term costs are lower by delivering clinical intervention to try to impact lifestyle for patients with chronic disease conditions.

The telemedicine in the home is cheaper than the consequent emergency room visits and hospitalizations that occur if chronic conditions are ignored. There is a certain inevitability related to chronic disease condition care delivery. People that take care of themselves tend to stay healthy. People that are not attentive to protecting their health tend to have medical conditions that contribute to deteriorating health and benefit from early intervention when it is delivered in a manner to which the person can relate.

Telemedicine is, at its core, a way to extend clinical services to make them part of lifestyle consultation. . It provides a way to initiate two way communications with a patient, forever changing the doctor – patient relationship to a collaborative one. It means that physicians need to build collaboration skills or delegate those to their nurses which they have always done, but this time in a more effective manner, on that is supported by technology.

Telemedicine systems come from IBM, Intel, Honeywell, Vitarian, and Bosch Diagnostic Support Expert Systems. Tablets are poised to change telemedicine as are telepresence systems from Logitech among others. Clinical diagnosis is being impacted by the decision support systems. Clinical decision support systems (CDSS) have been a key aspect of telemedicine. Bosch offers the ability to track and update on a daily basis, questions that are able to address actual situations that patients face.

Diagnostic support expert systems promise to revolutionize healthcare. The mandated electronic health record (EHR) systems in all healthcare facilities, is a key enabler of diagnostic support expert systems. The objectives are to promote better and cheaper healthcare using diagnostic support based on the patient data collected from the telemedicine systems. With the large amount of new data collected by the newly installed EHR systems, computers like the Watson will be able to find optimal answers to clinical questions much more efficiently than the human mind.

Two major categories are diagnostic support tools and treatment support tools. Chronic conditions requires continuous diagnostic support because a continuous flow of information on patient change in conditions helps physicians make a better diagnosis based on the patient symptoms, medications, and medical records.

Treatment support helps clinicians stay compliant with known treatment guidelines such as avoiding known drug interactions, dispensing the right medication to the right patients, and staying on schedule with response to changes in patient condition.

According to Susan Eustis, lead author of the WinterGreen Research team that prepared the telemedicine market research study, “Differential diagnostic tools support differential telemedical treatment. The decision process take into account clinical findings form the home monitoring devices and from symptoms verbally communicated in a clinical services implementation.”

She continued, “Care delivery is enhanced by having clinicians be responsive to changes in patient condition that we know will lead to further patient deterioration if not treated immediately. A core part of responsible healthcare delivery is to use technology for healthcare reform. There is a focus on how to deliver care differently using telemedicine. No matter who pays for it, the use of telemedicine is anticipated to reduce the overall costs of healthcare delivery. Innovation is key to achieving improvements.”

For long-term success, telehealth solutions require sustainable financing models. Investments in telehealth technologies foster sustainability by enabling productivity and efficiency gains and other improvements that can more than justify investment costs.

Government and local authorities have long recognized the potential of telehealth technology as a tool for delivering health and social care services. This is an increasing imperative given the increasing age demographic and the backdrop of static or reducing funding. Telehealth initiatives must demonstrate credibility and viability beyond the pilot and trial programs in order to achieve the goal of increased capability through technology.

Device installer partners define benefits in terms of increased sales and consultancy. A sustaining finance model is an essential aspect of telehealth. Telemedicine is analogous to the telecommunications industry where a large upfront investment is required an, usage models and complementary technologies must emerge and finally they must be integrated into existing healthcare service delivery paradigms.

Workflows are required to integrate the telehealth components into the existing solutions. This is possibly the area of greatest challenge. Upfront costs are high. Once the telehealth solution has been implemented initiatives are cost effective.

Since insurance companies have the responsibility for taking care of all people, not just the healthy ones and the health conscious people, they benefit from encouraging the use of telemedicine. The US veterans' administration recognizes this reality and has in place extensive telemedicine programs. While some hospitals benefit from an increase in hospitalizations, insurers do not.

There is a services component to the business that makes it attractive to sell the devices below cost. The tablet market revolutionizes telemedicine.

Once FDA approved software runs on a tablet, people with an existing unit can download software and be equipped with a way to interact with the clinical service that performs monitoring. Long term, the services will be a very attractive part of telemonitoring.

Telemedicine dedicated device and software markets at $843 million in 2012 are anticipated to reach $2.9 billion by 2019. M-Health markets related to telemedicine at $1.4 billion are anticipated to reach $1.5 trillion by 2019 due to the use of 7 billion smart phones and half that many connected tablet devices all over the world.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info

+44 20 8123 2220
info@marketpublishers.com

Shop, Market Research.com, Research and Markets, Electronics.CA, Bloomberg, and Thompson Financial.

WinterGreen Research is positioned to help customers face challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust WinterGreen Research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

Contents

3. TELEMEDICINE / M-HEALTH PRODUCT DESCRIPTION

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES AND FIGURES

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

About

This is the 568th report in a series of primary market research reports that provide forecasts in communications, telecommunications, the Internet, computer, software, telephone equipment, health equipment, and energy. Automated process and significant growth potential are priorities in topic selection.

The project leaders take direct responsibility for writing and preparing each report. They have significant experience preparing industry studies. Forecasts are based on primary research and proprietary data bases.

The primary research is conducted by talking to customers, distributors and companies. The survey data is not enough to make accurate assessment of market size, so WinterGreen Research looks at the value of shipments and the average price to achieve market assessments. Our track record in achieving accuracy is unsurpassed in the industry. We are known for being able to develop accurate market shares and projections.

The analyst process is concentrated on getting good market numbers. This process involves looking at the markets from several different perspectives, including vendor shipments. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by vendor in the study and addenda prepared after the study was published if that is appropriate.

Forecasts reflect analysis of the market trends in the segment and related segments. Unit and dollar shipments are analyzed through consideration of dollar volume of each market participant in the segment.

Installed base analysis and unit analysis is based on interviews and an information search. Market share analysis includes conversations with key customers of products, industry segment leaders, marketing directors, distributors, leading market participants, opinion leaders, and companies seeking to develop measurable market share.

Over 200 in depth interviews are conducted for each report with a broad range of key participants and industry leaders in the market segment. We establish accurate market forecasts based on economic and market conditions as a base. Use input/output ratios, flow charts, and other economic methods to quantify data. Use in-house analysts who meet stringent quality standards.

Interviewing key industry participants, experts and end-users is a central part of the study. Our research includes access to large proprietary databases. Literature search includes analysis of trade publications, government reports, and corporate literature.

Findings and conclusions of this report are based on information gathered from industry sources, including manufacturers, distributors, partners, opinion leaders, and users. Interview data was combined with information gathered through an extensive review of internet and printed sources such as trade publications, trade associations, company literature, and online databases. The projections contained in this report are checked from top down and bottom up analysis to be sure there is congruence from that perspective.

The base year for analysis and projection is 2010. With 2010 and several years prior to that as a baseline, market projections were developed for 2011 through 2017. These projections are based on a combination of a consensus among the opinion leader contacts interviewed combined with understanding of the key market drivers and their impact from a historical and analytical perspective. The analytical methodologies used to generate the market estimates are based on penetration analyses, similar market analyses, and delta calculations to supplement independent and dependent variable analysis. All analyses are displaying selected descriptions of products and services.

This research includes referencde to an ROI model that is part of a series that provides IT systems financial planners access to information that supports analysis of all the numbers that impact management of a product launch or large and complex data center. The methodology used in the models relates to having a sophisticated analytical technique for understanding the impact of workload on processor consumption and cost.

WinterGreen Research has looked at the metrics and independent research to develop assumptions that reflect the actual anticipated usage and cost of systems. Comparative analyses reflect the input of these values into models.

The variables and assumptions provided in the market research study and the ROI models are based on extensive experience in providing research to large enterprise organizations and data centers. The ROI models have lists of servers from different manufacturers, Systems z models from IBM, and labor costs by category around the world. This information has been developed from WinterGreen research proprietary data bases constructed as a result of preparing market research studies that address the software, energy, healthcare, telecommunicatons, and hardware businesses.

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Telemedicine and M-Health Convergence Market

Product link: https://marketpublishers.com/r/TCF37A70AB3EN.html

Price: US$ 3,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/TCF37A70AB3EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**All fields are required

Custumer signature ____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970