Global Market Study on E-clinical Solution Software: Asia to Witness Highest Growth by 2020

Description: E-clinical solution is software that helps researchers easily manage and analyze clinical data. It helps clinical research organizations, pharmaceutical, biotechnology, medical device, and research organizations to magnify their clinical research investment through the use of innovative technologies. Clinical trials are research studies to inspect safety and efficacy of drugs, medical devices, and therapeutic products for humans before they are launched in the market. Growing penetration of computers and the Internet worldwide is driving the application of e-clinical solution software in the clinical trials industry. E-clinical solution software is used widely in the management of clinical trials due to its effectiveness over paper process.

North America dominates the global market for e-clinical solution software due to increasing number of clinical trials in the region. The market in Asia is expected to show high growth rates over the next five years. China and India are expected to be the fastest growing e-clinical solution software markets in Asia. Major key driving forces for the e-clinical solution software market in emerging countries are large pool of patients, increasing healthcare awareness, and increasing clinical trial outsourcing in these regions.

Increasing number of clinical trials, rising need for improved data standardization and reducing the time consumed during clinical trial process, and increasing spending on clinical research and development in the pharmaceutical industry are key growth drivers for the e-clinical solution software market. In addition, increasing clinical trial outsourcing is expected to provide opportunities for new market entrants, which would further drive growth of the e-clinical solution software market. On the other hand, long approval times for clinical trials, high costs of implementation, and lack of skilled manpower are major concerns for the industry. Pharmaceutical and biopharmaceutical companies require approval from competent regulatory authorities in every country before starting a clinical trial. Another challenge faced by the e-clinical solution software market is the lack of high-speed broadband facilities in remote areas. Rising number of mergers, acquisitions, collaborations, and partnerships are major trends in the global e-clinical solution software market.

This report provides in-depth analysis and estimation of the e-clinical solution software market for the period 2014–2020, considering 2013 as the base year for calculation. In addition, data pertaining to current market dynamics, including market drivers, restraints, trends, and strategic developments has been provided in the report. The e-clinical solution software market is categorized on the basis of mode of delivery, end user, product, and geography. Based on mode of delivery, the e-clinical solution software market comprises web-based e-clinical solution software, cloud-based e-clinical solution software, and licensed enterprise e-clinical solution software. Based on product type, the market comprises clinical data management system, clinical trial management system, electronic clinical outcome assessment solution, randomization and trial supply, and safety solution.

In the geographical analysis, the report identifies and analyzes market size and forecast of North America, Europe, Asia and Rest of the World (RoW). North America is further segmented into the U.S and rest of North America. Similarly, Europe is further segmented into Germany, France and Poland. Asia is further segmented into South Korea and China. Major major players in the e-clinical solution software market are Oracle Corporation, Medidata Solutions, PAREXEL International Corporation, BioClinica, OmniComm Systems. These key market players have been profiled on the basis of attributes such as company overview, recent developments, growth strategies, sustainability and financial overview.

Contents: Chapter 1 Preface
1.1 Report Description
1.2 Research Methodology
1.3 Assumptions
Chapter 2 Market Synopsis

Chapter 3 Porter’s Five Forces Analysis
3.1 Bargaining Power of Suppliers
3.2 Bargaining Power of Buyers
3.3 Threat of New Entrants
3.4 Threat of Substitutes
3.5 Intensity of Rivalry

Chapter 4 Industry Overview
4.1 Market Definition
4.2 Market Drivers
   4.2.1 Increasing number of clinical trials
   4.2.2 Rising spending on clinical research and development in the pharmaceutical industry
   4.2.3 Growing clinical trial outsourcing
   4.2.4 Rising need for improved data standardization and reducing the time consumed during clinical trial process
4.3 Impact Analysis of Market Drivers
4.4 Market Restraints
   4.4.1 High costs of implementation and lack of skilled manpower
   4.4.2 Lack of high-speed broadband facilities and IT professionals in remote areas
   4.4.3 Long approval times for clinical trials
4.5 Impact Analysis of Market Restraints
4.6 Market Trends
   4.6.1 Rising number of collaborations and partnerships
   4.6.2 Increasing number of mergers and acquisitions

Chapter 5 Global Market Size and Forecast

Chapter 6 Market Size and Forecast by Mode of Delivery
6.1 Web-based e-clinical solution software
6.2 Licensed Enterprise e-clinical solution software
6.3 Cloud-based e-clinical solution software

Chapter 7 Market Size and Forecast by Product
7.1 Clinical Data Management
7.2 Clinical Trial Management System
Chapter 8 Market Size and Forecast by End User

8.1 Pharmaceutical
8.2 Clinical Research Organization
8.3 Healthcare Providers

Chapter 9 Market Size and Forecast by Geography

9.1 North America
  9.1.1 U.S.
9.2 Europe
  9.2.1 Germany
  9.2.2 France
  9.2.3 Poland
9.3 Asia
  9.3.1 China
  9.3.2 South Korea
9.4 Rest of the World

Chapter 10 Competitive Scenario
10.1 Competitive Benchmarking

Chapter 11 Company Profiles
11.1 Oracle Corporation
  11.1.1 Company Overview
  11.1.2 Products and Services
  11.1.3 Financial Performance
  11.1.4 Recent Developments
11.2 Merge Healthcare Incorporated
  11.2.1 Company Overview
  11.2.2 Products and Services
  11.2.3 Financial Performance
  11.2.4 Recent Developments
11.3 Medidata Solutions Inc.
11.9.2 Products and Services
11.9.3 Financial Performance
11.9.4 Recent Developments

11.10 CRF Health Inc.
11.10.1 Company Overview
11.10.2 Products and Services
11.10.3 Financial Performance
11.10.4 Recent Developments

List of Tables

TABLE 2 Clinical trials conducted in different countries by December 2011 and May 2014
TABLE 3 R&D investment in pharmaceutical industry, by country (US$ Mn) in 2010 and 2011
TABLE 4 Drivers for e-clinical solution software market: Impact analysis
TABLE 5 Estimated average timelines for clinical trial approval in various countries
TABLE 6 Restraints for e-clinical solution software market: Impact analysis
TABLE 7 Major collaborations and partnerships by e-clinical solution software companies (January 2011-May 2014)
TABLE 8 Major mergers and acquisitions in e-clinical solution software market (January 2011- May 2014)
TABLE 9 Global e-clinical solution software market size by region, 2009–2013 (US$ Mn)
TABLE 10 Global e-clinical solution software market size by region, 2014–2020 (US$ Mn)
TABLE 11 Global e-clinical solution software market size by mode of delivery, 2009–2013 (US$ Mn)
TABLE 12 Global e-clinical solution software market size by mode of delivery, 2014–2020 (US$ Mn)
TABLE 13 Global e-clinical solution software market size by end user, 2009–2013 (US$ Mn)
TABLE 14 Global e-clinical solution software market size by end user 2014–2020 (US$ Mn)
TABLE 15 Global e-clinical solution software market size by product, 2009–2013 (US$ Mn)
TABLE 16 Global e-clinical solution software market size by product, 2014–2020 (US$ Mn)
TABLE 17 Web-based e-clinical solution software market size by region, 2009–2013 (US$ Mn)
TABLE 18 Web-based e-clinical software solution market size by region, 2014–2020 (US$ Mn)
TABLE 19 Licensed Enterprise e-clinical solution software market size by region, 2009–2013 (US$ Mn)
TABLE 20 Licensed Enterprise e-clinical solution software market size by region, 2014–2020 (US$ Mn)
TABLE 21 Cloud based e-clinical solution software market size by region, 2009–2013 (US$ Mn)
TABLE 22 Cloud-based e-clinical software solution market size by region, 2014–2020 (US$ Mn)
TABLE 23 Clinical data management in e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 24 Clinical data management in e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 25 Clinical trial management system in e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 26 Clinical trial management system in e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 27 Electronic clinical outcome assessment solution in e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 28 Electronic clinical outcome assessment solution in e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 29 Randomization and trial supply management in e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 30 Randomization and trial supply management in e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 31 Safety solution in e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 32 Safety solution in e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 33 Pharmaceutical industry in e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 34 Pharmaceutical industry in e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 35 Clinical research organization in e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 36 Clinical research organization in e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 37 Healthcare providers in e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 38 Healthcare providers in e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 39 North America e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 40 North America e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 41 U.S. e-clinical solution software market size by mode of delivery, 2009–2013 (US$ Mn)

TABLE 42 U.S. e-clinical solution software market size by mode of delivery, 2014–2020 (US$ Mn)

TABLE 43 U.S. e-clinical solution software market size by end user, 2009–2013 (US$ Mn)

TABLE 44 U.S. e-clinical solution software market size by end user, 2014–2020 (US$ Mn)

TABLE 45 Europe e-clinical solution software market size by region, 2009–2013 (US$ Mn)

TABLE 46 Europe e-clinical solution software market size by region, 2014–2020 (US$ Mn)

TABLE 47 Germany e-clinical solution software market size by mode of delivery, 2009–2013 (US$ Mn)

TABLE 48 Germany e-clinical solution software market size by mode of delivery, 2014–2020 (US$ Mn)
TABLE 49 Germany e-clinical solution software market size by end user, 2009–2013 (US$ Mn)
TABLE 50 Germany e-clinical solution software market size by end user, 2014–2020 (US$ Mn)
TABLE 51 France e-clinical solution software market size by mode of delivery, 2009–2013 (US$ Mn)
TABLE 52 France e-clinical solution software market size by mode of delivery, 2014–2020 (US$ Mn)
TABLE 53 France e-clinical solution software market size by end user, 2009–2013 (US$ Mn)
TABLE 54 France e-clinical solution software market size by end user, 2014–2020 (US$ Mn)
TABLE 55 Poland e-clinical solution software market size by mode of delivery, 2009–2013 (US$ Mn)
TABLE 56 Poland e-clinical solution software market size by mode of delivery, 2014–2020 (US$ Mn)
TABLE 57 Poland e-clinical solution software market size by end user, 2009–2013 (US$ Mn)
TABLE 58 Poland e-clinical solution software market size by end user, 2014–2020 (US$ Mn)
TABLE 59 Asia e-clinical solution software market size by region, 2009–2013 (US$ Mn)
TABLE 60 Asia e-clinical solution software market size by region, 2014–2020 (US$ Mn)
TABLE 61 China e-clinical solution software market size by mode of delivery, 2009–2013 (US$ Mn)
TABLE 62 China e-clinical solution software market size by mode of delivery, 2014–2020 (US$ Mn)
TABLE 63 China e-clinical solution software market size by end user, 2009–2013 (US$ Mn)
TABLE 64 China e-clinical solution software market size by end user, 2014–2020 (US$ Mn)
TABLE 65 South Korea e-clinical solution software market size by mode of delivery, 2009–2013 (US$ Mn)
TABLE 66 South Korea e-clinical solution software market size by mode of delivery, 2014–2020 (US$ Mn)
TABLE 67 South Korea e-clinical solution software market size by end user, 2009–2013 (US$ Mn)
TABLE 68 South Korea e-clinical solution software market size by end user, 2014–2020 (US$ Mn)
TABLE 69 Major Oracle Corporation categories and products
TABLE 70 Major Merge Healthcare categories and products
TABLE 71 Major Medidata Solutions products and applications
TABLE 72 Major PAREXEL International Corporation categories, products and services
TABLE 73 Major BioClinica categories and products
TABLE 74 Major ERT categories and products
TABLE 75 Major OmniComm Systems products and application
TABLE 76 Major PHT Corporation categories and products
TABLE 77 Major DATATRAK International products
TABLE 78 Major CRF Health categories, products and services

List of Figures

FIG. 1 E-clinical solution software market: Porter's five forces analysis
FIG. 2 Major technologies in e-clinical solution software
FIG. 3 Total e-clinical solution
FIG. 4 Global e-clinical solution software market by region, 2013 (% share)
FIG. 5 Global e-clinical solution software market, by mode of delivery 2013 (% share)
FIG. 6 Global e-clinical solution software market, by end user 2013 (% share)
FIG. 7 Global e-clinical solution software market, by product 2013 (% share)
FIG. 8 Web based e-clinical solution software market, by region 2013 (% share)
FIG. 9 Global e-clinical solution software market, by region 2013 (% share)
FIG. 10 Global e-clinical software solution market, by region 2013 (% share)
FIG. 11 Clinical data management in e-clinical solution software market, by region, 2013 (% share)
FIG. 12 Clinical trial management system in e-clinical solution software market, by region, 2013 (% share)
FIG. 13 Electronic clinical outcome assessment solution in e-clinical solution software market, by region, 2013 (% share)
FIG. 14 Randomization and trial supply management in e-clinical solution software market, by region, 2013 (% share)
FIG. 15 Safety solution in e-clinical solution software market, by region, 2013 (% share)
FIG. 16 Pharmaceutical industry in e-clinical solution software market, by region, 2013 (% share)
FIG. 17 Clinical research organization in e-clinical solution software market, by region, 2013 (% share)
FIG. 18 Healthcare providers in e-clinical solution software market, by region, 2013 (% share)
FIG. 19 North America e-clinical solution software market, by region, 2013 (% share)
FIG. 20 U.S. e-clinical solution software market, by mode of delivery, 2013 (% share)
FIG. 21 U.S. e-clinical solution software market, by end user, 2013 (% share)
FIG. 22 Europe e-clinical solution software market, by region, 2013 (% share)
FIG. 23 Germany e-clinical solution software market, by mode of delivery, 2013 (% share)
FIG. 24 Germany e-clinical solution software market, by end user, 2013 (% share)
FIG. 25 France e-clinical solution software market, by mode of delivery, 2013 (% share)
FIG. 26 France e-clinical solution software market, by end user, 2013 (% share)
FIG. 27 Poland e-clinical solution software market, by mode of delivery, 2013 (% share)
FIG. 28 Poland e-clinical solution software market, by end user, 2013 (% share)
FIG. 29 Asia e-clinical solution software market, by region, 2013 (% share)
FIG. 30 China e-clinical solution software market, by mode of delivery, 2013 (% share)
FIG. 31 China e-clinical solution software market, by end user, 2013 (% share)
FIG. 32 South Korea e-clinical solution software market, by mode of delivery, 2013 (% share)
FIG. 33 South Korea e-clinical solution software market, by end user, 2013 (% share)
FIG. 34 Competitive benchmarking
FIG. 35 Oracle Corporation total revenue and net income 2011–2013 (US$ Mn)
FIG. 36 Merge Healthcare net sales and net income 2011–2013 (US$ Mn)
FIG. 37 Medidata Solutions total revenue and net income 2011–2013 (US$ Mn)
FIG. 38 PAREXEL International Corporation total service revenue and net income 2011–2013 (US$ Mn)
FIG. 39 BioClinica total revenue and net income 2010–2012 (US$ Mn)
FIG. 40 OmniComm Systems total revenue and net income 2011–2013 (US$ Mn)
FIG. 41 DATATRAK International revenue and net income 2011–2013 (US$ Mn)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3291836/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Global Market Study on E-clinical Solution Software: Asia to Witness Highest Growth by 2020
Web Address: http://www.researchandmarkets.com/reports/3291836/
Office Code: SCH35FSW

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF)</td>
<td></td>
</tr>
<tr>
<td>Single User:</td>
<td>USD 4900</td>
</tr>
<tr>
<td>1 - 5 Users:</td>
<td>USD 7600</td>
</tr>
<tr>
<td>Enterprisewide:</td>
<td>USD 10600</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]
First Name: ___________________________ Last Name: ________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World