Asia Pacific (India, China, Australia, South Korea & Others) Insulin Market (Rapid Acting, Short Acting, Pre-Mixed, Long Acting, Type I & II Diabetes, Analogs & Recombinant Insulin) Analysis And Segment Forecasts To 2020

# **Grand View Research**

Market Research & Consulting



Grand View Research, Inc. 28 2nd Street, Suite 3036 San FranAsia Pacificco, CA 94105 United States

Phone: 1-415-349-0058

Email: sales@grandviewresearch.com



#### **About Us**

Grand View Research is a market research and consulting company that provides syndicated research reports, customized research reports, and consulting services. To help clients make informed business deAsia Pacificions, we offer market intelligence studies ensuring relevant and fact-based research across a range of industries including Technology, Chemicals, Materials, and Energy. With a deep-seated understanding of many business environments, Grand View Research provides strategic objective insights. We periodically update our market research studies to ensure our clients get the most recent, relevant, and valuable information. Grand View Research has a strong base of analysts and consultants from assorted areas of expertise. Our industry experience and ability to zero-in on the crux of any challenge gives you and your organization the ability to secure a competitive advantage.

### Copyright © 2014 Grand View Research Inc., USA

All Rights Reserved. This document contains highly confidential information and is the sole property of Grand View Research. No part of it may be circulated, copied, quoted, or otherwise reproduced without the approval of Grand View Research.



# **Table of Content**

# **Chapter 1** Executive Summary

# **Chapter 2** Asia Pacific Insulin Industry Outlook

- 2.1 Market Segmentation
- 2.2 Market Size and Growth Prospects
- 2.3 Insulin Market dynamics
  - 2.3.1 Market Driver Analysis
    - 2.3.1.1 Growing prevalence of diabetes
    - 2.3.1.2 Presence of a strong product pipeline portfolio
    - 2.3.1.3 Growing prevalence of lifestyle induced disorders such as obesity
  - 2.3.2 Market Restraint Analysis
    - 2.3.2.1 High costs
    - 2.3.2.2 Emergence of new drugs as substitutes to insulin
- 2.4 Key Opportunities Prioritized
- 2.6 Insulin PESTEL Analysis
- 2.7 Insulin Market Pipeline Overview

# **Chapter 3** Asia Pacific Insulin Application Outlook

- 3.1 Insulin Revenue Share by Application, 2013 & 2020
- 3.2 Type II and Other Diabetes Market
  - 3.2.1 Insulin for Type II and Other Diabetes Market, 2012 2020 Revenue, ASP and Volume
- 3.3 Type I Diabetes Market
  - 3.3.1 Insulin for Type I Diabetes Market, 2012 2020 Revenue, ASP and Volume

# **Chapter 4** Asia Pacific Insulin Product Outlook

- 4.1 Insulin Revenue Share by Source, 2013 & 2020
- 4.2 Rapid Acting Analog Market
  - 4.2.1 Rapid Acting Analog Market, 2012 2020 Revenue, ASP and Volume
- 4.3 Long Acting Analog Market
  - 4.3.1 Long Acting Analog Market, 2012 2020 Revenue, ASP and Volume
- 4.4 Premixed Analog Market



- 4.4.1 Premixed Analog Market, 2012 2020 Revenue, ASP and Volume
- 4.5 Premixed Insulin Market
  - 4.5.1 Premixed Insulin Market, 2012 2020, Revenue, ASP and Volume
- 4.6 Short Acting Insulin Market
  - 4.6.1 Short Acting Insulin Market, 2012 2020 Revenue, ASP and Volume
- 4.7 Intermediate Acting Insulin Market
  - 4.7.1 Intermediate Acting Insulin Market, 2012 2020 Revenue, ASP and Volume

# **Chapter 5** Asia Pacific Insulin Source Outlook

- 5.1 Insulin Revenue Share by Source, 2013 & 2020
- 5.2 Human Recombinant Insulin Market
  - 5.2.1 Human Recombinant Insulin Market, 2012 2020 Revenue, ASP and Volume
- 5.3 Analogs Market
  - 5.3.1 Analogs Market, 2012 2020 Revenue, ASP and Volume

# **Chapter 6** Insulin Regional Outlook

- 6.2 Asia Pacific Insulin Market Share, by Country, 2013 & 2020
  - 6.4.2 India Market Revenue, ASP and Volume
  - 6.4.3 China Market Revenue, ASP and Volume
  - 6.4.4 Australia Market Revenue, ASP and Volume
  - 6.4.5 New Zealand Market Revenue, ASP and Volume
  - 6.4.6 South Korea Market Revenue, ASP and Volume
  - 6.4.7 Taiwan Market Revenue, ASP and Volume
  - 6.4.8 Philippines Market Revenue, ASP and Volume
  - 6.4.9 Vietnam Market Revenue, ASP and Volume
  - 6.4.10 Indonesia Market Revenue, ASP and Volume
  - 6.4.11 Japan Market Revenue, ASP and Volume
  - 6.4. 12 Malaysia Market Revenue, ASP and Volume
  - 6.4.13 Thailand Market Revenue, ASP and Volume

# **Chapter 7** Competitive Landscape – Company Profiles

- 7.1 Sanofi Aventis
  - 7.1.1 Company Overview
  - 7.1.2 Financial Performance



7.1.3 **Product Benchmarking** 7.1.4 **Strategic Initiatives** 7.2 **Takeda Pharmaceuticals** 7.2.1 **Company Overview** 7.2.2 **Financial Performance** 7.2.3 **Product Benchmarking** 7.2.4 **Strategic Initiatives** 7.3 Eli Lilly 7.3.1 **Company Overview** 7.3.2 **Financial Performance** 7.3.3 **Product Benchmarking** 7.3.4 **Strategic Initiatives** 7.4 **Oramed Pharmaceuticals Inc.** 7.4.1 **Company Overview** 7.4.2 **Product Benchmarking** 7.4.3 **Strategic Initiatives** 7.5 Nanjing Xinbai Pharmaceutical Co., Ltd. 7.5.1 **Company Overview** 7.5.2 **Financial Performance** 7.5.3 **Strategic Initiatives** 7.6 Gan & Lee Pharmaceuticals Co. Ltd. 7.6.1 **Company Overview** 7.6.2 **Financial Performance** 7.6.3 **Product Benchmarking** 7.6.4 **Strategic Initiatives** 7.7 **Boehringer Ingelheim** 7.7.1 **Company Overview** 7.7.2 **Financial Performance** 7.7.3 **Product Benchmarking** 7.7.4 **Strategic Initiatives** 7.8 Merck & Co. Inc. 7.8.1 **Company Overview** 7.8.2 **Financial Performance** 7.8.3 **Product Benchmarking** 7.8.4 **Strategic Initiatives** 



7.9 Dongbao Enterprises Group Co. Ltd. 7.9.1 **Company Overview** 7.9.2 **Financial Performance** 7.9.3 **Product Benchmarking** 7.9.4 **Strategic Initiatives** 7.10 **Halozyme Therapeutics** 7.10.1 **Company Overview** 7.10.2 **Financial Performance** 7.10.3 **Product Benchmarking** 7.10.4 **Strategic Initiatives** 7.11 **Novo Nordisk** 7.11.1 **Company Overview** 7.11.2 **Financial Performance (Net Sales for Insulin)** 7.11.3 **Product Benchmarking Strategic Initiatives** 7.11.4 7.12 **Bristol-Myers Squibb** 7.12.1 **Company Overview** 7.12.2 **Financial Performance** 7.12.3 **Strategic Initiatives** 7.13 **Biocon** 7.13.1 **Company Overview** 7.13.2 **Financial Performance** 7.13.3 **Product Benchmarking** 7.13.4 **Strategic Initiatives** 7.14 **Wanbang Biopharmaceuticals** 7.14.1 **Company Overview** 7.14.2 **Financial Performance** 7.14.3 **Product Benchmarking** 

# **Chapter 9** Methodology and Scope

- 9.1 Research Methodology
- 9.2 Research Scope & Assumptions
- 9.3 Limitations



# **List of Tables**

| TABLE 1  | Insulin – Industry summary & Critical Success Factors (CSFs)                     |
|----------|--|
| TABLE 2  | ASIA PACIFIC Insulin Market, by Product Types, 2012 - 2020 (USD Million)         |
| TABLE 3  | ASIA PACIFIC Insulin Market, by Product Types, 2012 - 2020 ('000 Units)          |
| TABLE 4  | ASIA PACIFIC Insulin Market, by Source, 2012 – 2020 (USD Million)                |
| TABLE 5  | Insulin – Key market driver analysis   |
| TABLE 1  | ASIA PACIFIC Diabetes Prevalence (national prevalence %), 2013 & 2035            |
| TABLE 2  | Insulin – Key market restraint analysis  |
| TABLE 3  | Insulin Market – Pipeline Overview   |
| TABLE 4  | ASIA PACIFIC Insulin Market, by Applications, 2012 – 2020 (USD Million)          |
| TABLE 5  | Insulin Types and Brands   |
| TABLE 6  | ASIA PACIFIC Insulin Market, by Geography, 2012 – 2020 (USD Million)             |
| TABLE 7  | ASIA PACIFIC Insulin Market, by Countries, 2012 – 2020 (USD Million)             |
| TABLE 8  | ASIA PACIFIC Insulin Market, by Products, 2012 – 2020 (USD Million)              |
| TABLE 9  | ASIA PACIFIC Insulin Market, by Products, 2012 – 2020 ('000 Units)               |
| TABLE 10 | ASIA PACIFIC Insulin Market, by Applications, 2012 – 2020 (USD Million)          |
| TABLE 11 | ASIA PACIFIC Insulin Market, by Source Types, 2012 – 2020 (USD Million)          |
| TABLE 12 | ASIA PACIFIC Insulin Market, by Source Types, 2012 – 2020 ('000 Units)           |
| TABLE 13 | India Insulin Market, by Products, 2012 – 2020 (USD Million)                     |
| TABLE 14 | India Private Insulin Market, by Product Types, 2012 - 2020 (USD million)        |
| TABLE 15 | India Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) |
| TABLE 16 | India Private Insulin Market, by Product Types, 2012 - 2020 ('000 units)         |
| TABLE 17 | India Public Insulin Market, by Product Types, 2012 - 2020 (USD million)         |
| TABLE 18 | India Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit)  |
| TABLE 19 | India Public Insulin Market, by Product Types, 2012 - 2020 ('000 units)          |
| TABLE 20 | India Insulin Market, by Source Types, 2012 - 2020 (USD million)                 |
| TABLE 21 | India Insulin Market, by Source Types, 2012 - 2020 ('000 Units)                  |
| TABLE 22 | India Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)               |
| TABLE 23 | China Insulin Market, by Products, 2012 – 2020 (USD Million)                     |
| TABLE 24 | China Private Insulin Market, by Product Types, 2012 - 2020 (USD million)        |
| TABLE 25 | China Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) |
| TABLE 26 | China Private Insulin Market, by Product Types, 2012 - 2020 ('000 units)         |
| TABLE 27 | China Public Insulin Market, by Product Types, 2012 - 2020 (USD million)         |
| TABLE 28 | China Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit)  |
| TABLE 29 | China Public Insulin Market, by Product Types, 2012 - 2020 ('000 units)          |
| TABLE 30 | China Insulin Market, by Source Types, 2012 - 2020 (USD million)                 |



| TABLE 31 | China Insulin Market, by Source Types, 2012 - 2020 ('000 Units)                        |
|----------|--|
| TABLE 32 | China Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)                     |
| TABLE 33 | Vietnam Insulin Market, by Products, 2012 – 2020 (USD Million)                         |
| TABLE 48 | Vietnam Private Insulin Market, by Product Types, 2012 - 2020 (USD million)            |
| TABLE 49 | Vietnam Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit)     |
| TABLE 52 | Vietnam Public Insulin Market, by Product Types, 2012 - 2020 (USD million)             |
| TABLE 53 | Vietnam Public Insulin Market, by Product Types, 2012 - 2020 ('000 units)              |
| TABLE 54 | Vietnam Insulin Market, by Source Types, 2012 - 2020 (USD million)                     |
| TABLE 55 | Vietnam Insulin Market, by Source Types, 2012 - 2020 ('000 Units)                      |
| TABLE 56 | Vietnam Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)                   |
| TABLE 57 | Philippines Insulin Market, by Products, 2012 – 2020 (USD Million)                     |
| TABLE 58 | Philippines Private Insulin Market, by Product Types, 2012 - 2020 (USD million)        |
| TABLE 59 | Philippines Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) |
| TABLE 60 | Philippines Private Insulin Market, by Product Types, 2012 - 2020 ('000 units)         |
| TABLE 61 | Philippines Public Insulin Market, by Product Types, 2012 - 2020 (USD million)         |
| TABLE 62 | Philippines Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit)  |
| TABLE 63 | Philippines Public Insulin Market, by Product Types, 2012 - 2020 ('000 units)          |
| TABLE 64 | Philippines Insulin Market, by Source Types, 2012 - 2020 (USD million)                 |
| TABLE 65 | Philippines Insulin Market, by Source Types, 2012 - 2020 ('000 Units)                  |
| TABLE 66 | Philippines Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)               |
| TABLE 67 | Indonesia Insulin Market, by Products, 2012 – 2020 (USD Million)                       |
| TABLE 68 | Indonesia Private Insulin Market, by Product Types, 2012 - 2020 (USD million)          |
| TABLE 69 | Indonesia Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit)   |
| TABLE 70 | Indonesia Private Insulin Market, by Product Types, 2012 - 2020 ('000 units)           |
| TABLE 71 | Indonesia Public Insulin Market, by Product Types, 2012 - 2020 (USD million)           |
| TABLE 72 | Indonesia Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit)    |
| TABLE 73 | Indonesia Public Insulin Market, by Product Types, 2012 - 2020 ('000 units)            |
| TABLE 74 | Indonesia Insulin Market, by Source Types, 2012 - 2020 (USD million)                   |
| TABLE 75 | Indonesia Insulin Market, by Source Types, 2012 - 2020 ('000 Units)                    |
| TABLE 76 | Indonesia Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)                 |
| TABLE 77 | Thailand Insulin Market, by Products, 2012 – 2020 (USD Million)                        |
| TABLE 78 | Thailand Private Insulin Market, by Product Types, 2012 - 2020 (USD million)           |
| TABLE 79 | Thailand Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit)    |
| TABLE 80 | Thailand Private Insulin Market, by Product Types, 2012 - 2020 ('000 units)            |



| TABLE 81  | Thailand Public Insulin Market, by Product Types, 2012 - 2020 (USD million)            |
|-----------|--|
| TABLE 82  | Thailand Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit)     |
| TABLE 83  | Thailand Public Insulin Market, by Product Types, 2012 - 2020 ('000 units)             |
| TABLE 84  | Thailand Insulin Market, by Source Types, 2012 - 2020 (USD million)                    |
| TABLE 85  | Thailand Insulin Market, by Source Types, 2012 - 2020 ('000 Units)                     |
| TABLE 86  | Thailand Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)                  |
| ABLE 87   | Australia Insulin Market, by Products, 2012 – 2020 (USD Million)                       |
| TABLE 88  | Australia Private Insulin Market, by Product Types, 2012 - 2020 (USD million)          |
| TABLE 89  | Australia Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit)   |
| TABLE 90  | Australia Private Insulin Market, by Product Types, 2012 - 2020 ('000 units)           |
| TABLE 91  | Australia Public Insulin Market, by Product Types, 2012 - 2020 (USD million)           |
| TABLE 92  | Australia Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit)    |
| TABLE 93  | Australia Public Insulin Market, by Product Types, 2012 - 2020 ('000 units)            |
| TABLE 94  | Australia Insulin Market, by Source Types, 2012 - 2020 (USD million)                   |
| TABLE 95  | Australia Insulin Market, by Source Types, 2012 - 2020 ('000 Units)                    |
| TABLE 96  | Australia Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)                 |
| TABLE 97  | New Zealand Insulin Market, by Products, 2012 – 2020 (USD Million)                     |
| TABLE 98  | New Zealand Private Insulin Market, by Product Types, 2012 - 2020 (USD million         |
| TABLE 99  | New Zealand Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) |
| TABLE 100 | New Zealand Private Insulin Market, by Product Types, 2012 - 2020 ('000 units)         |
| TABLE 101 | New Zealand Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) |
| TABLE 102 | New Zealand Public Insulin Market, by Product Types, 2012 - 2020 (USD million)         |
| TABLE 103 | New Zealand Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit)  |
| TABLE 104 | New Zealand Public Insulin Market, by Product Types, 2012 - 2020 ('000 units)          |
| TABLE 105 | New Zealand Insulin Market, by Source Types, 2012 - 2020 (USD million)                 |
| TABLE 106 | New Zealand Insulin Market, by Source Types, 2012 - 2020 ('000 Units)                  |
| TABLE 107 | New Zealand Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)               |
| TABLE 108 | South Korea Insulin Market, by Products, 2012 – 2020 (USD Million)                     |
| TABLE 109 | South Korea Private Insulin Market, by Product Types, 2012 - 2020 (USD million)        |
| TABLE 110 | South Korea Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) |
| TABLE 111 | South Korea Private Insulin Market, by Product Types, 2012 - 2020 ('000 units)         |
| TABLE 112 | South Korea Public Insulin Market, by Product Types, 2012 - 2020 (USD million)         |



South Korea Insulin Prices in Public Sector, by Product Types, 2012 – 2020 **TABLE 113** (USD/Unit) TABLE 114 South Korea Public Insulin Market, by Product Types, 2012 - 2020 ('000 units) South Korea Insulin Market, by Source Types, 2012 - 2020 (USD million) TABLE 115 South Korea Insulin Market, by Source Types, 2012 - 2020 ('000 Units) **TABLE 116** TABLE 117 South Korea Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million) **TABLE 118** Japan Insulin Market, by Products, 2012 – 2020 (USD Million) **TABLE 119** Japan Private Insulin Market, by Product Types, 2012 - 2020 (USD million) Japan Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) **TABLE 120 TABLE 121** Japan Private Insulin Market, by Product Types, 2012 - 2020 ('000 units) **TABLE 122** Japan Public Insulin Market, by Product Types, 2012 - 2020 (USD million) **TABLE 123** Japan Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit) Japan Public Insulin Market, by Product Types, 2012 - 2020 ('000 units) TABLE 124 **TABLE 125** Japan Insulin Market, by Source Types, 2012 - 2020 (USD million) **TABLE 126** Japan Insulin Market, by Source Types, 2012 - 2020 ('000 Units) **TABLE 127** Japan Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million) Taiwan Insulin Market, by Products, 2012 – 2020 (USD Million) **TABLE 128** Taiwan Private Insulin Market, by Product Types, 2012 - 2020 (USD million) **TABLE 129** Taiwan Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) **TABLE 130** Taiwan Private Insulin Market, by Product Types, 2012 - 2020 ('000 units) **TABLE 131 TABLE 132** Taiwan Public Insulin Market, by Product Types, 2012 - 2020 (USD million) **TABLE 133** Taiwan Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit) **TABLE 134** Taiwan Public Insulin Market, by Product Types, 2012 - 2020 ('000 units) Taiwan Insulin Market, by Source Types, 2012 - 2020 (USD million) **TABLE 135** Taiwan Insulin Market, by Source Types, 2012 - 2020 ('000 Units) **TABLE 136 TABLE 137** Taiwan Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million) Malaysia Insulin Market, by Products, 2012 – 2020 (USD Million) **TABLE 138 TABLE 139** Malaysia Private Insulin Market, by Product Types, 2012 - 2020 (USD million) **TABLE 140** Malaysia Insulin Prices in Private Sector, by Product Types, 2012 – 2020 (USD/Unit) **TABLE 141** Malaysia Private Insulin Market, by Product Types, 2012 - 2020 ('000 units) **TABLE 142** Malaysia Public Insulin Market, by Product Types, 2012 - 2020 (USD million) **TABLE 143** Malaysia Insulin Prices in Public Sector, by Product Types, 2012 – 2020 (USD/Unit) **TABLE 144** Malaysia Public Insulin Market, by Product Types, 2012 - 2020 ('000 units) **TABLE 145** Malaysia Insulin Market, by Source Types, 2012 - 2020 (USD million) **TABLE 146** Malaysia Insulin Market, by Source Types, 2012 - 2020 ('000 Units) **TABLE 147** Malaysia Insulin Market, by Diabetes Types, 2012 - 2020 (USD Million)



# **List of Figures**

| FIG. 1  | Insulin: Market Segmentation   |
|---------|--|
| FIG. 2  | Asia Pacific Insulin Market Revenue, 2012 – 2020 (USD million)                               |
| FIG. 3  | Insulin Market Dynamics  |
| FIG. 4  | Diabetes prevalence of top 10 countries in 2013 in the age group of 20 to 79 years (million) |
| FIG. 5  | Insulin Market – Porter's Analysis   |
| FIG. 6  | Insulin Market – PESTEL Analysis   |
| FIG. 7  | Insulin revenue share by application, 2013 & 2020  |
| FIG. 8  | Insulin for Type II and Other Diabetes Market, 2012 – 2020 (USD Million)                     |
| FIG. 9  | Insulin for Type I Diabetes Market, 2012 – 2020 (USD Million)                                |
| FIG. 10 | Insulin revenue share by products, 2013 & 2020   |
| FIG. 11 | Rapid Acting Analog Market, 2012 – 2020 (USD Million)  |
| FIG. 12 | Long Acting Analog Market, 2012 – 2020 (USD Million)   |
| FIG. 13 | Premixed Analog Market, 2012 – 2020 (USD Million)  |
| FIG. 14 | Premixed Insulin Market, 2012 – 2020 (USD Million)   |
| FIG. 15 | Short Acting Insulin Market, 2012 – 2020 (USD Million)                                       |
| FIG. 16 | Intermediate Acting Insulin Market, 2012 – 2020 (USD Million)                                |
| FIG. 17 | Insulin revenue share by source, 2013 & 2020   |
| FIG. 18 | Human Recombinant Insulin Market, 2012 - 2020 (USD Million)                                  |
| FIG. 19 | Analogs Market, 2012 – 2020 (USD Million)  |
| FIG. 20 | Insulin revenue share by geography, 2013 & 2020  |
| FIG. 21 | Asia Pacific insulin revenue share by country, 2013 & 2020                                   |
|         |  |



# **Chapter 1** Executive Summary

TABLE 1 Insulin - Industry summary & Critical Success Factors (CSFs)

| Key market intelligence                     | Market revenues: 2013 – USD xx Mi  | Market revenues: 2013 – USD xx Million, 2020 – USD xx Million  |   |  |  |  |  |  |  |  |  |
|---|--|--|---|--|--|--|--|--|--|--|--|
|   | Region   | 2013   | 2020                                    |  |  |  |  |  |  |  |  |
|   | China  | 38.0%  | xx %                                    |  |  |  |  |  |  |  |  |
| Top Regional revenue contributors (revenue) | Japan  | Xx%  | xx%                                     |  |  |  |  |  |  |  |  |
|   | India  | xx%  | xx%                                     |  |  |  |  |  |  |  |  |
|   | Australia  | xx%  | xx%                                     |  |  |  |  |  |  |  |  |
| Key industry trends                         | diabetic drugs.  | <ul> <li>Growing prevalence of diabetes coupled with growing market penetration rates of analogs and oral anti diabetic drugs.</li> <li>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</li></ul> |   |  |  |  |  |  |  |  |  |
| Key market opportunities                    |  | xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx   |   |  |  |  |  |  |  |  |  |
| Key market players                          | · · · · · · · · · · · · · · · · · · ·  | Aventis, Takeda Pharmaceuticals, Or<br>er, Bristol-Myers Squibb and Halozym  | '                                       |  |  |  |  |  |  |  |  |
| PESTEL Analysis                             | xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  | >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>   | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |  |  |  |  |  |  |  |  |
| CSF   | > Introduction of proprietary production of pr | cts  | ***********                             |  |  |  |  |  |  |  |  |

Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

Insulin is a hormone and is the internal secretion of the pancreas formed by a group of cells referred to as the islets of Langerhans. The primary functions of this hormone are to enable the entry of glucose into the cells and provide energy and to help maintain blood glucose levels at appropriate levels. Insulin is administered to patients suffering from type I and type II diabetes. Type I diabetes was previously known as juvenile or insulin dependent diabetes and is marked by the body's inability to produce insulin. Patients with type II diabetes may also use insulin in cases where the body's demand for insulin surpasses insulin production. The Asia Pacific insulin market was valued at USD 4,867.1 million in 2013 and is expected to grow at a CAGR of xx% over the next six years.



TABLE 2 Asia Pacific Insulin Market, by Product, 2012 - 2020 (USD Million)

| Product             | 2012    | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | CAGR<br>(2014-<br>20) |
|---------------------|---------|------|------|------|------|------|------|------|------|-----------------------|
| Rapid acting        | 1,019.0 | XX   | xx%                   |
| Long acting         | xx      | XX   | XX   | XX   | xx   | XX   | XX   | XX   | XX   | xx%                   |
| Premixed            | xx      | xx   | XX   | XX   | xx   | XX   | XX   | xx   | XX   | xx%                   |
| Premixed analog     | xx      | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Short acting        | xx      | xx   | XX   | XX   | xx   | XX   | XX   | xx   | xx   | xx%                   |
| Intermediate acting | xx      | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Total               | xx      | XX   | XX   | xx   | xx   | XX   | XX   | xx   | xx   | xx%                   |

Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

TABLE 3 Asia Pacific Insulin Market, by Product, 2012 - 2020 ('000 Units)

| Product             | 2012     | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | CAGR<br>(2014-<br>20) |
|---------------------|----------|------|------|------|------|------|------|------|------|-----------------------|
| Rapid acting        | 34,367.1 | xx   | xx%                   |
| Long acting         | xx       | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Premixed            | xx       | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Premixed analog     | xx       | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Short acting        | xx       | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Intermediate acting | xx       | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Total               | xx       | xx   | xx   | XX   | XX   | XX   | XX   | XX   | XX   | xx%                   |

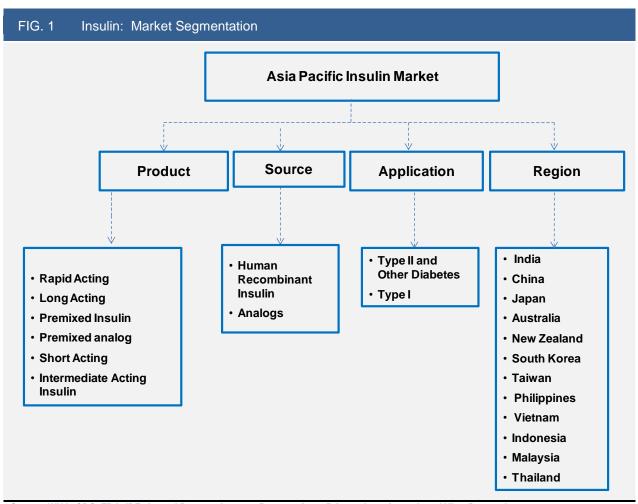
Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

XX dominated the overall market in terms of revenue, accounting for xx% of the total market in 2013. Analog revenue share is expected to increase to xx% by 2020. Type II and other diabetes forms, dominated the overall market in terms of revenue share in 2013 at xx%. High usage rates of insulin in treating type II diabetes coupled with the introduction of new drugs catering to this segment accounted for its large market share.



# **Chapter 2** Insulin Industry Outlook

### 2.1 Market Segmentation



Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

We have estimated the overall insulin industry by segmenting the market on three levels. We have split the market based on products, source types, application and geography. The product segments analyzed in this report include rapid acting analogs, long acting analogs, premixed insulin, premixed analogs, short acting insulin and intermediate acting insulin. We have also segmented and estimated the market based on source, which includes human recombinant insulin and analogs. Application segments analyzed in this study include type II and others and type I diabetes. In addition, regional market estimates and forecasts for all the previously mentioned product and application segments are available in this report.



## 2.2 Market Size and Growth Prospects



Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

The Asia Pacific insulin market was valued at USD 4,867.1 million in 2013 and is expected to grow at a CAGR of xx% over the next six years. Growing global prevalence of diabetes (both type I and type II) is expected to be primary key driver for this market over the next six years. According to the estimates of International Diabetes Federation, global prevalence of diabetes is expected to increase from 366 million in 2011 to 552 million by 2030 and such a rapid growth in prevalence is expected to have a high impact on market growth over the forecast period. Other drivers of this market include growing prevalence of lifestyle induced disorders such as obesity, increasing global base of geriatric population and R&D initiatives aimed at developing new products.



## 2.3 Insulin – Market dynamics

#### FIG. 3 Insulin: Market Dynamics **Technology trends** · Introduction of rapid acting and long acting analogs and the subsequent rise in market penetration rates is expected to drive market growth during the forecast period. Introduction of new products such as ultra long acting analogs, SGLT-2 inhibitors and strong pipeline of oral antidiabetics Regulatory trends Disease prevalence trends Xxxxxxxxxxxxxxxxxxxxxxxxxxxx Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX **Insulin market** XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX **Customer trends** Xxxxxxxxxxxxxxxxxxxxxxxx XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX



### 2.3.1 Market Driver Analysis

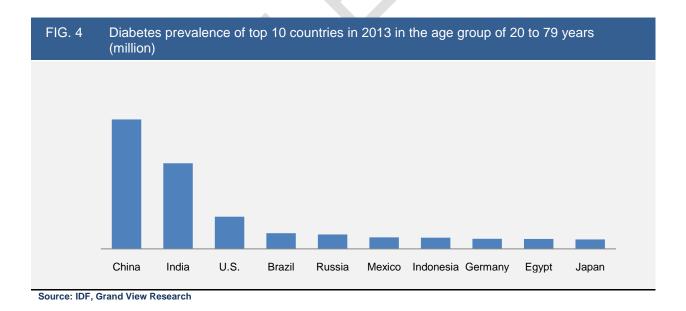
**TABLE 4 Insulin – Key market driver analysis** 

|   | 2014-16 | 2016-18 | 2018-20 |
|---|---------|---------|---------|
| Market drivers                          |         | Impact  |         |
| Growing prevalence of diabetes          |         |         |         |
| xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |         |         |         |
| xxxxxxxxxxxxxxxxxxxxxxxx                |         |         |         |

Source: WHO, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

#### 2.3.1.1 Growing prevalence of diabetes

The growing worldwide prevalence of diabetes (both type I and type II) is expected to be the primary driver of this market during the forecast period. According to the estimates of International Diabetes Federation, the Asia Pacific prevalence of diabetes is expected to increase from 366 million in 2011 to 552 million by 2030 and such a rapid growth in prevalence is expected to have a high impact on market growth over the forecast period. The below graph illustrates the prevalence of diabetes in the top 10 countries:





## 2.4 Industry Analysis - Porter's

#### FIG. 5 Insulin Market – Porter's Analysis Threat of new entrants Threat of new entrants is expected to remain high throughout the forecast period for this market. Patent expiration of key products such as Lantus in 2015 is expected to attract generic manufacturers to enter the market with cost effective biosimilars. Government support and the need for cheaper antidiabetics is also expected to encourage new manufacturers to enter this market over the next six years. Supplier power Industry rivalry **Buyer power** Threat of substitutes

| 1 – 3> Weak<br>marketforces | 4 – 6><br>Medium market<br>forces | 7 – 10><br>Strong market<br>forces |
|-----------------------------|-----------------------------------|------------------------------------|
|-----------------------------|-----------------------------------|------------------------------------|



# 2.5 Insulin – PESTEL Analysis

## FIG. 6 Insulin Market – PESTEL Analysis

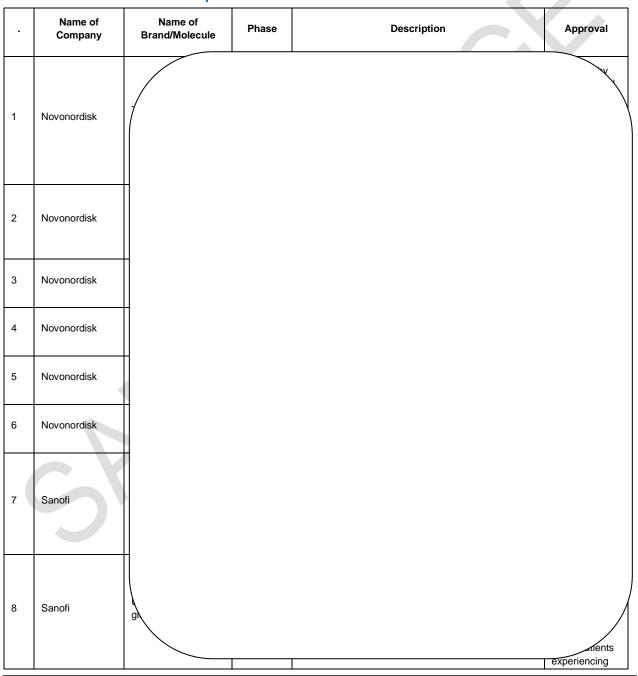
| Political  | Economic                                |
|--|---|
| Introduction of government reforms such as the 12 <sup>th</sup> Five Year Plan in<br>China, to promote healthcare facilities across the country are some<br>notable political trends witnessed in this market. | > Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
| Expansion of public health insurance in the emerging markets to build a<br>robust and sophisticated healthcare infrastructure is expected to drive<br>market growth during the forecast period.                | > xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  |
| Social   | Technological                           |
| > Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  | > Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
| > xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx   | > xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  |
| Legal  | Environmental                           |
| > Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  | > Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
| > xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx   | > xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  |
| Summary  |   |
| Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  |   |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  |   |



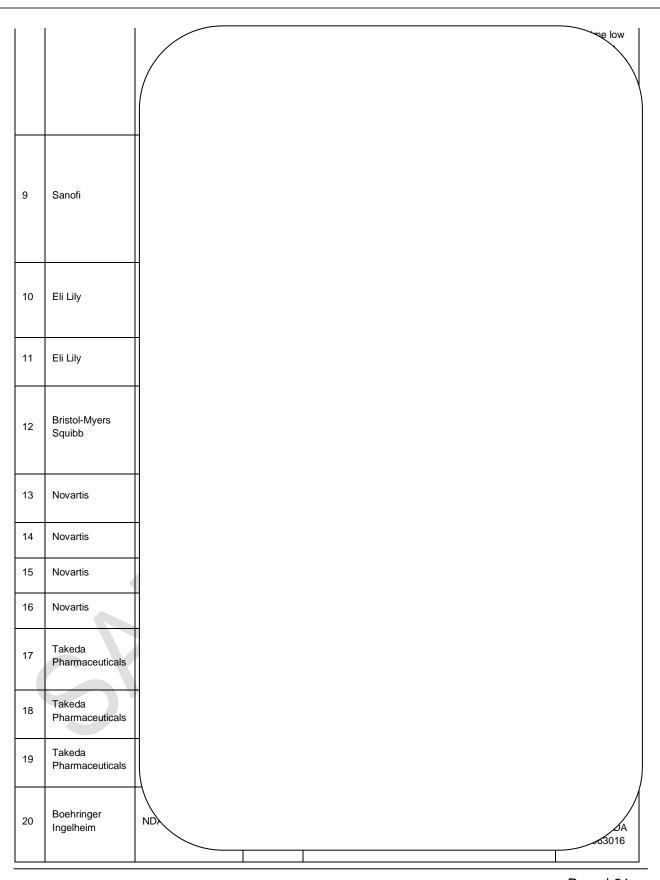
### 2.6 Insulin Market – Pipeline Overview

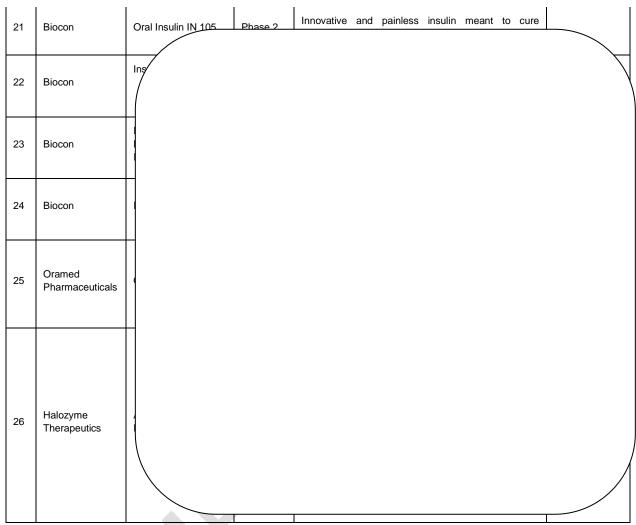
The presence of an extensive product pipeline portfolio is expected to serve this market as a lucrative future growth opportunity. Key players such as Novo Nordisk, Eli Lilly and Sanofi hold rigorous R&D initiatives and therefore have a strong product pipeline portfolio. A comprehensive list of all such products is presented in the table below:

**TABLE 5 Insulin Market – Pipeline Overview** 











# **Chapter 3** Insulin Application Outlook

### 3.1 Insulin Revenue Share by Application, 2013 & 2020

Type II and other diabetes dominated the overall market in terms of revenue share in 2013 at xx%. The high usage rates of insulin in treating type II diabetes coupled with the introduction of new drugs catering to this segment accounted for its large market share. However, growing use of insulin by type I diabetes patients is expected to increase this segment's revenue share from xx in 2013 to xx% in 2020.

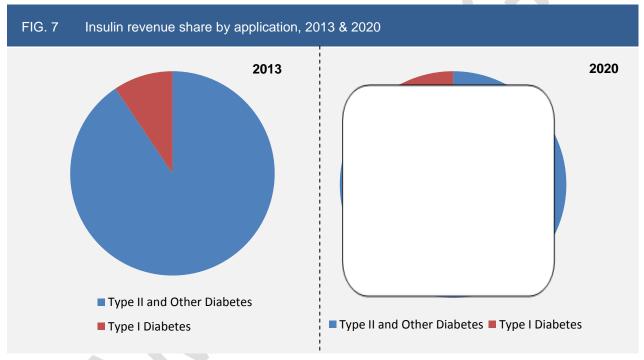


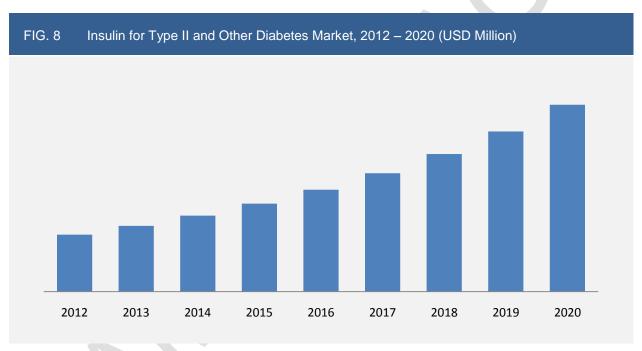


TABLE 6 Asia Pacific Insulin Market, by Applications, 2012 – 2020 (USD Million)

|                                   | 2012 | 2013    | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | CAGR<br>(2014-<br>20) |
|-----------------------------------|------|---------|------|------|------|------|------|------|------|-----------------------|
| Type II<br>Diabetes and<br>Others | xx   | 4,326.9 | xx   | xx%                   |
| Type I<br>Diabetes                | xx   | xx      | xx   | xx   | xx   | XX   | xx   | xx   | xx   | xx%                   |
| Total                             | XX   | XX      | XX   | XX   | XX   | XX   | XX   | XX   | XX   | xx%                   |

Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

# 3.1.1 Insulin for Type II and Other Diabetes Market, 2012 - 2020 (USD Million)



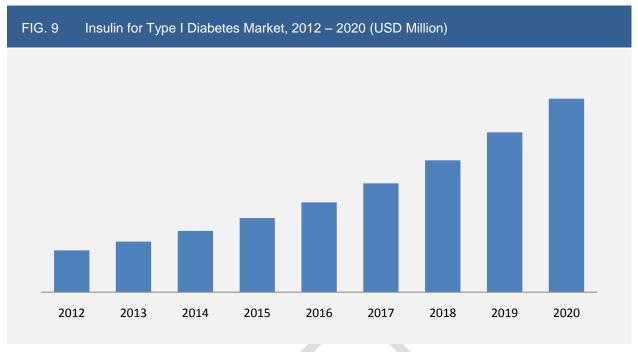
Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

# 3.2 Type I Diabetes Market

Type I diabetes or diabetes mellitus refers to a chronic condition in which the pancreas stops producing insulin. Insulin acts as a carrier of glucose into the cells and therefore, lack on insulin in the human body causes rise in sugar levels owing to the fact that glucose does not get delivered to the cells. The Asia Pacific type I diabetes market was valued at USD xx million in 2013 and is expected to reach an estimated value of USD xx million in 2020, growing at a CAGR of xx % during the forecast period.



# 3.2.1 Insulin for Type I Diabetes Market, 2012 - 2020 (USD Million)

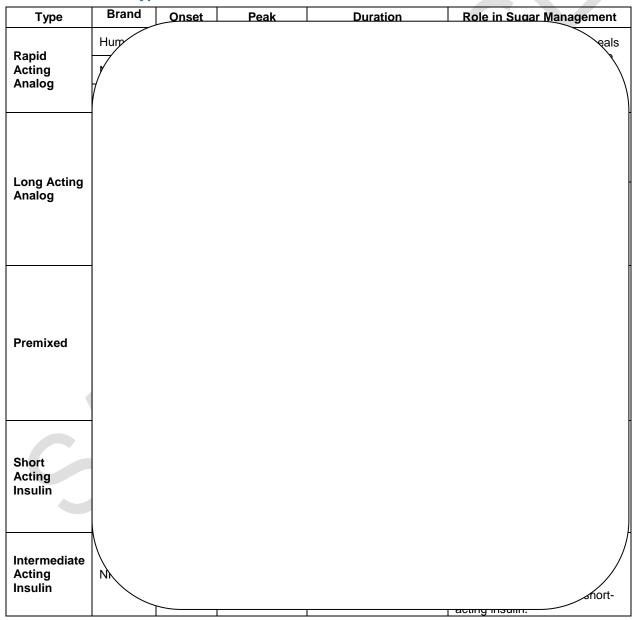




# **Chapter 4** Insulin Product Outlook

Key product segments analyzed and estimated in this study include rapid acting analog, long acting analog, premixed insulin, premixed analog, short acting insulin and intermediate insulin. Major characteristics and brands of each of these products are listed in the table below:

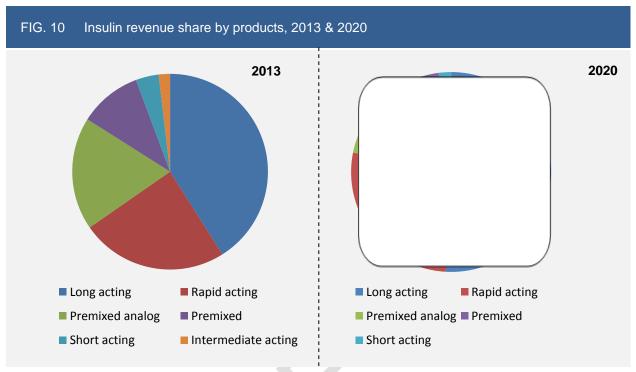
**TABLE 7 Insulin Types and Brands** 



Source: Webmd.com, Grand View Research



# 4.1 Insulin Revenue Share by Source, 2013 & 2020



Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

### 4.2 Rapid Acting Analog Market

The Asia Pacific rapid acting analog market was valued at USD xx million in 2013 and is expected to grow at a CAGR of xx % during the forecast period to reach an expected value of USD xx million in 2020.



# 4.2.1 Rapid Acting Analog Market, 2012 - 2020 (USD Million)



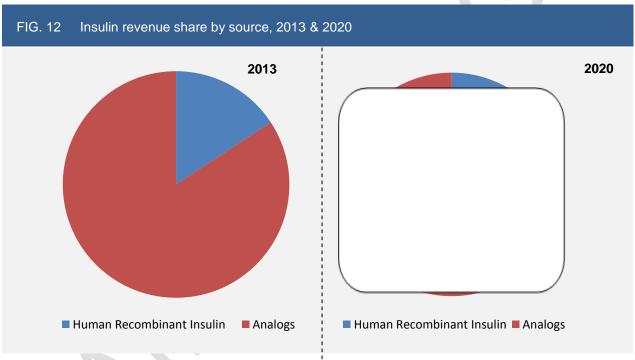


# **Chapter 5** Insulin Source Outlook

Key source segments analyzed and estimated in this study include human recombinant insulin and analogs.

## 5.1 Insulin Revenue Share by Source, 2013 & 2020

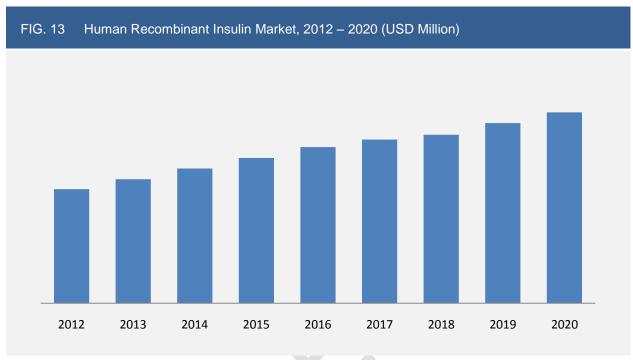
Analogs dominated the overall market in terms of revenue share at xx% in 2013. Moreover, its revenue share is expected to increase to xx % by 2020 owing to factors such as the following:





## 5.2 Human Recombinant Insulin Market

## 5.2.1 Human Recombinant Insulin Market, 2012 - 2020 (USD Million)





# **Chapter 6** Insulin Regional Outlook

#### 6.1 Asia Pacific

Key Asia Pacific countries analyzed in this study include India, China, Australia, New Zealand, South Korea, Taiwan, Philippines, Vietnam, Indonesia, Japan, Malaysia and Thailand.

## 6.1.1 Asia Pacific Insulin Revenue Share by Country, 2013 & 2020

Japan dominated the overall Asia Pacific insulin market with a revenue share of xx.x% owing to the high consumption of innovator brands in this country. Moreover, the presence of high patient disposable income and healthcare expenditure is expected to drive market growth during the forecast period. However, its share is expected to decline to xx.x% by 2020 on account of rapid growth experienced in emerging Asia Pacific markets of India and China.

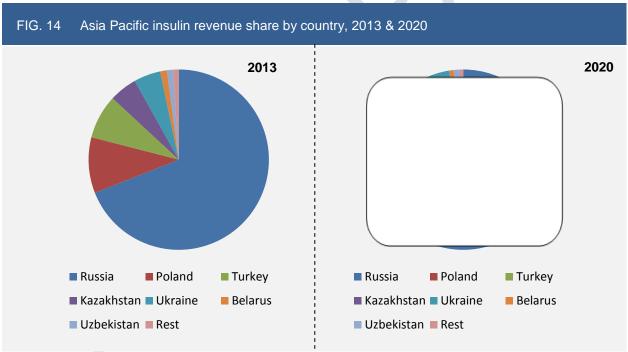




TABLE 8 Asia Pacific Insulin Market, by Countries, 2012 – 2020 (USD Million)

| Country     | 2012  | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | CAGR<br>(2014-<br>20) |
|-------------|-------|------|------|------|------|------|------|------|------|-----------------------|
| India       | 687.5 | xx   | xx%                   |
| China       | xx    | xx   | xx   | xx   | xx   | XX   | xx   | xx   | XX   | xx%                   |
| Australia   | xx    | xx   | xx   | xx   | xx   | xx   | xx   | xx   | XX   | xx%                   |
| New Zealand | xx    | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| South Korea | xx    | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Taiwan      | xx    | xx   | xx   | xx   | xx   | xx   | xx   | XX   | XX   | xx%                   |
| Philippines | xx    | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Vietnam     | xx    | xx   | xx   | xx   | xx   | XX   | xx   | xx   | xx   | xx%                   |
| Indonesia   | xx    | xx   | xx   | xx   | xx   | xx   | XX   | XX   | xx   | xx%                   |
| Japan       | xx    | xx   | xx   | xx   | xx   | XX   | xx   | xx   | XX   | xx%                   |
| Malaysia    | xx    | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Thailand    | xx    | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Rest        | xx    | xx   | xx   | xx   | xx   | xx   | xx   | xx   | XX   | xx%                   |
| Total       | xx    | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |

Source: WHO, CDC, FDA, IDF, Annual Reports, Investor Presentations, Primary Interviews, Grand View Research

TABLE 9 Asia Pacific Insulin Market, by Products, 2012 – 2020 (USD Million)

| Product              | 2012    | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | CAGR<br>(2014-<br>20) |
|----------------------|---------|------|------|------|------|------|------|------|------|-----------------------|
| Rapid acting         | 1,019.0 | xx   | xx%                   |
| Long<br>acting       | xx      | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Premixed             | xx      | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Premixed analog      | xx      | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Short acting         | xx      | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Intermedia te acting | xx      | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx   | xx%                   |
| Total                | хх      | хх   | хх   | xx   | xx   | XX   | XX   | xx   | XX   | xx%                   |



### 6.1.2 India

India insulin market was valued at USD xx million in 2013 and is expected to grow at a CAGR of xx% during the forecast period to reach an estimated value of USD xx million in 2020.

TABLE 10 India Insulin Market, by Products, 2012 – 2020 (USD Million)

| Product             | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | CAGR<br>(2014-<br>20) |
|---------------------|------|------|------|------|------|------|------|------|------|-----------------------|
| Rapid acting        | 46.1 | xx   | xx%                   |
| Long acting         | xx   | хх   | xx   | xx%                   |
| Premixed            | xx   | XX   | хх   | XX   | xx   | XX   | xx   | xx   | xx   | xx%                   |
| Premixed analog     | xx   | xx%                   |
| Short acting        | xx   | xx%                   |
| Intermediate acting | xx   | xx%                   |
| Total               | XX   | xx%                   |



# **Chapter 7** Competitive Landscape

#### 7.1 Sanofi Aventis

# 7.1.1 Company Overview

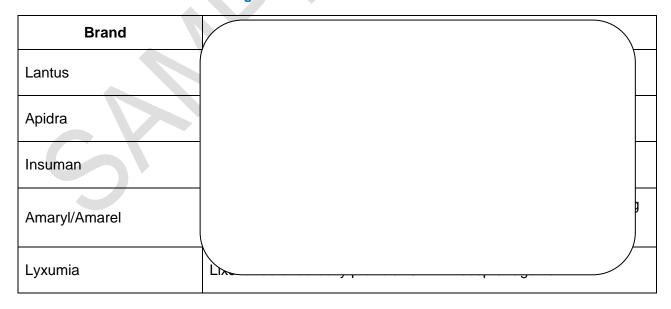
Established in 2004, Sanofi is a France-based multi-national conglomerate involved in the business of manufacturing, marketing and R&D of healthcare products across the world. As of 2014, the company has customer presence in 110 countries with 120 manufacturing units and more than 20 R&D centers across the globe. Sanofi mainly caters to segments such as pharmaceuticals, animal health and vaccines. Sanofi's product portfolio includes consumer healthcare products, insulin, generic drugs, enzymes, syrups, tablets, therapeutical solutions intended for use in curing diseases such as diabetes, oncology, multiple sclerosis and diseases related to animal health. Sanofi offers insulin and the medical devices to insert insulin including injection pens and reusable pens under the brand name of Solostar, Allstar and Clickstar.

#### 7.1.2 Financial Performance

| 2012           | 2013           |
|----------------|----------------|
| USD XX Billion | USD XX Billion |

<sup>1</sup> Euro = 1.38 USD

### 7.1.3 Product Benchmarking





### 7.1.4 Strategic Initiatives

- In April 2014, Sanofi launched new half-unit insulin reusable pen device under the name
   Junior Star, intended for use with Lantus, Apidra and Insuman
- In June 2013, Sanofi started the production from its new plant at India which has capacity of producing 30 million filled insulin pens per year

Note: The final report will contain profiles of the following companies based on the above mentioned attributes (revenue, products, applications and strategic developments):

- 1. Takeda Pharmaceuticals
- 2. Eli Lilly
- 3. Oramed Pharmaceuticals Inc.
- 4. Nanjing Xinbai Pharmaceutical Co., Ltd.
- 5. Gan & Lee Pharmaceuticals Co. Ltd.
- 6. Boehringer Ingelheim
- 7. Merck & Co. Inc.
- 8. Dongbao Enterprises Group Co. Ltd.
- 9. Halozyme Therapeutics
- 10. Novo Nordisk
- 11. Bristol-Myers Squibb
- 12. Biocon
- 13. Wanbang Biopharmaceuticals



# **Chapter 8** Methodology and Scope

### 8.1 Research Methodology

We have implemented a mix of primary and secondary research for our market estimate and forecast. Secondary research formed the initial phase of our study, where we conducted extensive data mining, referring to verified data sources such as independent studies, government and regulatory published material, technical journals, trade magazines paid data sources.

For forecasting, the following parameters were considered,

- Market drivers and restraints, along with their current and expected impact
- Technological scenario and expected developments
- End-use industry trends and dynamics
- Trends in consumer behavior
- Disease prevalence pattern
- Healthcare spending, per capita healthcare expenditure
- Healthcare reforms and regulatory frameworks
- Export import policies

We assigned weights to these parameters and have quantified their market impact using weighted average analysis, to derive an expected market growth rate.

All our estimates and forecasts were verified through exhaustive primary research with Key Industry Participants (KIPs) which typically include,

- Market leading companies
- Healthcare practitioners

The key objectives of primary research are as follows,

- To validate our data in terms of accuracy and acceptability
- To gain an insight in to the current market and future expectations



### 8.2 Research Scope & Assumptions

- The report provides market value for base year 2013 and a yearly forecast to 2020 in terms of revenue (USD Million). Market for each product has been provided on a regional basis for the above mentioned forecast period.
- Inflation has not been taken in to account for our estimates and forecasts.
- Key industry dynamics, regulatory scenario, major technological trends and application markets are evaluated to understand their impact on demand for the forecast period.
   Growth rates are estimated using correlation, regression and time-series analysis.
- We have used a mix of top-down and bottom-up approach for market sizing, analyzing key regional markets, dynamics and trends for various end-uses. ASIA PACIFIC market is estimated by integrating regional markets.
- All market estimates and industry analysis is then validated through exhaustive primary research with key industry participants and consumers.
- **Prices** were estimated on the basis of the following parameters:
  - Market penetration of each product
  - Reimbursement policies
  - Tender prices as procured from primary initiatives
  - Paid online databases and surveys
- As per our secondary research and primary validation through key industry experts, the
  industry expects that intermediate acting insulin market will be phased out by 2017 in
  developed markets and by 2018 in emerging and underdeveloped markets. However,
  these products will continue to find use in premixed segment. Moreover, on account of
  the previously mentioned statement the CAGR for this product for the forecast period is
  not calculated for this study.
- Volume and prices for the ASIA PACIFIC markets have not been calculated owing to high price differences across the countries. Moreover, the total product, application and source type markets are a summation of the individual countries mentioned in this study.
- 1 unit = 1000 international units



#### 8.3 Limitations

- Due to lack of organized data points in emerging and underdeveloped markets pertaining to their public sectors this study accounts for data points published by government agencies and world bodies such as WHO and IDF only
- All the tender prices were not available as governments of certain countries and the competitors are bound by confidentiality agreements
- Insulin in the public sector is available free of cost and in such cases tender prices are considered while estimating the market

### 8.4 List of Data Sources

List of **secondary** sources include but are not limited to:

- XXXXXX
- XXXXXX
- XXXXXX
- XXXXXX

List of **primary** sources include but are not limited to:

- XXXXXXX
- XXXXXXX
- XXXXXXX
- XXXXXXX

Asia Pacific Insulin Market Analysis And Segment Forecasts
To 2020

Grand View Research
Market Research & Consulting

**Disclaimer** 

In response to request/orders received, Grand View Research provides strategic business/market analysis services to a select group of customers that are limited to publications containing valuable market information. The publication is solely for our customers' internal use. It is acknowledged by our customer, by placing the order that no part of this strategic market

analysis service is for general publication or disclosure to third party.

Grand View Research doesn't make any warranty for the accuracy of the data as these are primarily based on interviews and therefore, liable for fluctuation. Also, Grand View Research

doesn't take responsibility for incorrect information supplied by manufacturers or users.

Any resale, lending, disclosure or reproduction of this publication can only be made with prior written permission from Grand View Research. Transmission and/or reproduction of this document by any means or in any form (includes photocopying, mechanical, electronic, recording or otherwise) are prohibited without the permission of Grand View Research.

**Registered Office Address** 

Grand View Research, Inc. 28 2nd Street, Suite 3036 San Francisco, CA 94105

**United States** 

Phone: 1-415-349-0058

Email: sales@grandviewresearch.com