

# The 2023-2028 Outlook for Regenerative Medicines in Japan

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## Abstracts

This study covers the latent demand outlook for regenerative medicines across the prefectures and cities of Japan. Latent demand (in millions of U.S. dollars), or potential industry earnings (P.I.E.) estimates are given across over 1,000 cities in Japan. For each city in question, the percent share the city is of its prefecture and of Japan as a whole is reported. These comparative benchmarks allow the reader to quickly gauge a city vis-à-vis others. This statistical approach can prove very useful to distribution and/or sales force strategies. Using econometric models which project fundamental economic dynamics within each prefecture and city, latent demand estimates are created for regenerative medicines. This report does not discuss the specific players in the market serving the latent demand, nor specific details at the product level. The study also does not consider short-term cyclicalities that might affect realized sales. The study, therefore, is strategic in nature, taking an aggregate and long-run view, irrespective of the players or products involved.

In this report we define the sales of regenerative medicines as including all commonly understood products falling within this broad category, irrespective of product packaging, formulation, size, or form. Companies participating in this industry include Aastrom Biosciences, Abbott, Abbvie Inc (Allergan Plc), Acelyt (KCI Concepts) (U.S.), Advanced Cell Technology, Alcon, Allegan, PLC, Allergan, AlloSource, Alphatec Spine, American Cryostem, Amgen, Anika Therapeutics, Anterogen, Arthrex, Astellas Pharma, Asterias Biotherapeutics, AstraZeneca, Athersys, Avita Medical, AxoGen, Azaya Therapeutics, Baxter, Bay Labs, Benda Pharmaceutical, BioTime, Bioventus, BlueRock Therapeutics, Boehringer Ingelheim GmbH (C.H.Boehringer Sohn AG & Co.KG, Ingelheim), BrainStorm Cell Therapeutics, Bristol-Myers Squibb, Caladrius Biosciences, Celgene Corporation, Cell Cure Neurosciences, Cellular Dynamics, Cephalon, Cesca Therapeutics, Chiesi Farmaceutici, Clinical Cell Culture (C3), CloudMedx, Cook

Biotech, Corline Biomedical AB, CryoLife, Cytomedix, Cytori Therapeutics, DePuy Synthes (Johnson & Johnson), Dow Agro Sciences, Eli Lilly and Company, ES Cell International Pte, Ltd., Exactech, F. Hoffmann-La Roche, Gamida Cell, General Electric (GE), Genzyme, GlaxoSmithKline, Healios K.K., Humacyte, InoCard, Instratek, Integra LifeSciences, iPierian, Inc., Isto Biologics (Isto Biologics Medical Systems, Inc.), Japan Tissue Engineering Company, JCR Pharmaceuticals Company, Johnson & Johnson, Kinetic Concepts, Koninklijke Philips, LifeMap Sciences, Inc., Lifenet Health, Macropore Biosurgery, Inc., MedImmune, Medipost, Medline Industries, Medtronic, Merck & Company, Mesoblast, MiMedx Group, Nikon CeLL innovation Co., Ltd. (NCLi), NovaBone Products, Novartis, Nutech, NuVasive, Ocata Therapeutics, Inc., Octane Biotech, OncoCyte, Organogenesis, OrthoCyte Corporation, Orthofix, Osiris Therapeutics, Oxford BioMedica, Pfizer, Pharmicell Company, ReCyte Therapeutics, Inc., Regenerys, Ltd., Renova Therapeutics, Sangamo Therapeutics, Sanofi, Shanghai Sunway Biotech, Shenzhen SiBiono GeneTech, Shimadzu Recursion Pharmaceuticals, Inc., Shire, Sigma-Aldrich, Smith & Nephew, Spark Therapeutics, St. Jude Medical, Stability, LLC., Stem cells, Inc., Stryker Corporation, Sun Pharma, Takara Bio, Takeda, Theracell Advanced BIOTECHNOLOGY, Ltd., Thermo Fisher Scientific, TiGenix, Tissue Regenix, U.S. Stem Cell, UniQure, Vericel, Vertex Pharmaceuticals, Visiomed, Wright Medical Group, Xcellerex, and Zimmer Biomet. In addition to the sources indicated, additional information available to the public via news and/or press releases published by players in the industry was considered in defining and calibrating this category. All figures are in a common currency (U.S. dollars, millions) and are not adjusted for inflation (i.e., they are current values). Exchange rates used to convert to U.S. dollars are averages for the year in question. Future exchange rates are assumed to be constant in the future at the current level (the average of the year of this publication's release in 2022).

## Contents

### **1 INTRODUCTION**

#### 1.1 OVERVIEW

#### 1.2 WHAT IS LATENT DEMAND AND THE P.I.E.?

#### 1.3 THE METHODOLOGY

##### 1.3.1 STEP 1. PRODUCT DEFINITION AND DATA COLLECTION

##### 1.3.2 STEP 2. FILTERING AND SMOOTHING

##### 1.3.3 STEP 3. FILLING IN MISSING VALUES

##### 1.3.4 STEP 4. VARYING PARAMETER, NON-LINEAR ESTIMATION

##### 1.3.5 STEP 5. FIXED-PARAMETER LINEAR ESTIMATION

##### 1.3.6 STEP 6. AGGREGATION AND BENCHMARKING

#### 1.4 FREQUENTLY ASKED QUESTIONS (FAQ)

##### 1.4.1 CATEGORY DEFINITION

##### 1.4.2 UNITS

##### 1.4.3 METHODOLOGY

### **2 SUMMARY OF FINDINGS**

#### 2.1 LATENT DEMAND IN JAPAN

#### 2.2 TOP 100 CITIES SORTED BY RANK

#### 2.3 LATENT DEMAND BY YEAR IN JAPAN

### **3 AICHI**

#### 3.1 LATENT DEMAND BY YEAR - AICHI

#### 3.2 CITIES SORTED BY RANK - AICHI

#### 3.3 CITIES SORTED ALPHABETICALLY - AICHI

### **4 AKITA**

#### 4.1 LATENT DEMAND BY YEAR - AKITA

#### 4.2 CITIES SORTED BY RANK - AKITA

#### 4.3 CITIES SORTED ALPHABETICALLY - AKITA

### **5 AOMORI**

#### 5.1 LATENT DEMAND BY YEAR - AOMORI

5.2 CITIES SORTED BY RANK - AOMORI

5.3 CITIES SORTED ALPHABETICALLY - AOMORI

## **6 CHIBA**

6.1 LATENT DEMAND BY YEAR - CHIBA

6.2 CITIES SORTED BY RANK - CHIBA

6.3 CITIES SORTED ALPHABETICALLY - CHIBA

## **7 EHIME**

7.1 LATENT DEMAND BY YEAR - EHIME

7.2 CITIES SORTED BY RANK - EHIME

7.3 CITIES SORTED ALPHABETICALLY - EHIME

## **8 FUKUI**

8.1 LATENT DEMAND BY YEAR - FUKUI

8.2 CITIES SORTED BY RANK - FUKUI

8.3 CITIES SORTED ALPHABETICALLY - FUKUI

## **9 FUKUOKA**

9.1 LATENT DEMAND BY YEAR - FUKUOKA

9.2 CITIES SORTED BY RANK - FUKUOKA

9.3 CITIES SORTED ALPHABETICALLY - FUKUOKA

## **10 FUKUSHIMA**

10.1 LATENT DEMAND BY YEAR - FUKUSHIMA

10.2 CITIES SORTED BY RANK - FUKUSHIMA

10.3 CITIES SORTED ALPHABETICALLY - FUKUSHIMA

## **11 GIFU**

11.1 LATENT DEMAND BY YEAR - GIFU

11.2 CITIES SORTED BY RANK - GIFU

11.3 CITIES SORTED ALPHABETICALLY - GIFU

## **12 GUMMA**

- 12.1 LATENT DEMAND BY YEAR - GUMMA
- 12.2 CITIES SORTED BY RANK - GUMMA
- 12.3 CITIES SORTED ALPHABETICALLY - GUMMA

## **13 HIROSHIMA**

- 13.1 LATENT DEMAND BY YEAR - HIROSHIMA
- 13.2 CITIES SORTED BY RANK - HIROSHIMA
- 13.3 CITIES SORTED ALPHABETICALLY - HIROSHIMA

## **14 HOKKAIDO**

- 14.1 LATENT DEMAND BY YEAR - HOKKAIDO
- 14.2 CITIES SORTED BY RANK - HOKKAIDO
- 14.3 CITIES SORTED ALPHABETICALLY - HOKKAIDO

## **15 HYOGO**

- 15.1 LATENT DEMAND BY YEAR - HYOGO
- 15.2 CITIES SORTED BY RANK - HYOGO
- 15.3 CITIES SORTED ALPHABETICALLY - HYOGO

## **16 IBARAKI**

- 16.1 LATENT DEMAND BY YEAR - IBARAKI
- 16.2 CITIES SORTED BY RANK - IBARAKI
- 16.3 CITIES SORTED ALPHABETICALLY - IBARAKI

## **17 ISHIKAWA**

- 17.1 LATENT DEMAND BY YEAR - ISHIKAWA
- 17.2 CITIES SORTED BY RANK - ISHIKAWA
- 17.3 CITIES SORTED ALPHABETICALLY - ISHIKAWA

## **18 IWATE**

- 18.1 LATENT DEMAND BY YEAR - IWATE

18.2 CITIES SORTED BY RANK - IWATE

18.3 CITIES SORTED ALPHABETICALLY - IWATE

## **19 KAGAWA**

19.1 LATENT DEMAND BY YEAR - KAGAWA

19.2 CITIES SORTED BY RANK - KAGAWA

19.3 CITIES SORTED ALPHABETICALLY - KAGAWA

## **20 KAGOSHIMA**

20.1 LATENT DEMAND BY YEAR - KAGOSHIMA

20.2 CITIES SORTED BY RANK - KAGOSHIMA

20.3 CITIES SORTED ALPHABETICALLY - KAGOSHIMA

## **21 KANAGAWA**

21.1 LATENT DEMAND BY YEAR - KANAGAWA

21.2 CITIES SORTED BY RANK - KANAGAWA

21.3 CITIES SORTED ALPHABETICALLY - KANAGAWA

## **22 KOCHI**

22.1 LATENT DEMAND BY YEAR - KOCHI

22.2 CITIES SORTED BY RANK - KOCHI

22.3 CITIES SORTED ALPHABETICALLY - KOCHI

## **23 KUMAMOTO**

23.1 LATENT DEMAND BY YEAR - KUMAMOTO

23.2 CITIES SORTED BY RANK - KUMAMOTO

23.3 CITIES SORTED ALPHABETICALLY - KUMAMOTO

## **24 KYOTO**

24.1 LATENT DEMAND BY YEAR - KYOTO

24.2 CITIES SORTED BY RANK - KYOTO

24.3 CITIES SORTED ALPHABETICALLY - KYOTO

**25 MIE**

- 25.1 LATENT DEMAND BY YEAR - MIE
- 25.2 CITIES SORTED BY RANK - MIE
- 25.3 CITIES SORTED ALPHABETICALLY - MIE

**26 MIYAGI**

- 26.1 LATENT DEMAND BY YEAR - MIYAGI
- 26.2 CITIES SORTED BY RANK - MIYAGI
- 26.3 CITIES SORTED ALPHABETICALLY - MIYAGI

**27 MIYAZAKI**

- 27.1 LATENT DEMAND BY YEAR - MIYAZAKI
- 27.2 CITIES SORTED BY RANK - MIYAZAKI
- 27.3 CITIES SORTED ALPHABETICALLY - MIYAZAKI

**28 NAGANO**

- 28.1 LATENT DEMAND BY YEAR - NAGANO
- 28.2 CITIES SORTED BY RANK - NAGANO
- 28.3 CITIES SORTED ALPHABETICALLY - NAGANO

**29 NAGASAKI**

- 29.1 LATENT DEMAND BY YEAR - NAGASAKI
- 29.2 CITIES SORTED BY RANK - NAGASAKI
- 29.3 CITIES SORTED ALPHABETICALLY - NAGASAKI

**30 NARA**

- 30.1 LATENT DEMAND BY YEAR - NARA
- 30.2 CITIES SORTED BY RANK - NARA
- 30.3 CITIES SORTED ALPHABETICALLY - NARA

**31 NIIGATA**

- 31.1 LATENT DEMAND BY YEAR - NIIGATA

31.2 CITIES SORTED BY RANK - NIIGATA

31.3 CITIES SORTED ALPHABETICALLY - NIIGATA

## **32 OITA**

32.1 LATENT DEMAND BY YEAR - OITA

32.2 CITIES SORTED BY RANK - OITA

32.3 CITIES SORTED ALPHABETICALLY - OITA

## **33 OKAYAMA**

33.1 LATENT DEMAND BY YEAR - OKAYAMA

33.2 CITIES SORTED BY RANK - OKAYAMA

33.3 CITIES SORTED ALPHABETICALLY - OKAYAMA

## **34 OKINAWA**

34.1 LATENT DEMAND BY YEAR - OKINAWA

34.2 CITIES SORTED BY RANK - OKINAWA

34.3 CITIES SORTED ALPHABETICALLY - OKINAWA

## **35 OSAKA**

35.1 LATENT DEMAND BY YEAR - OSAKA

35.2 CITIES SORTED BY RANK - OSAKA

35.3 CITIES SORTED ALPHABETICALLY - OSAKA

## **36 SAGA**

36.1 LATENT DEMAND BY YEAR - SAGA

36.2 CITIES SORTED BY RANK - SAGA

36.3 CITIES SORTED ALPHABETICALLY - SAGA

## **37 SAITAMA**

37.1 LATENT DEMAND BY YEAR - SAITAMA

37.2 CITIES SORTED BY RANK - SAITAMA

37.3 CITIES SORTED ALPHABETICALLY - SAITAMA



## **38 SHIGA**

- 38.1 LATENT DEMAND BY YEAR - SHIGA
- 38.2 CITIES SORTED BY RANK - SHIGA
- 38.3 CITIES SORTED ALPHABETICALLY - SHIGA

## **39 SHIMANE**

- 39.1 LATENT DEMAND BY YEAR - SHIMANE
- 39.2 CITIES SORTED BY RANK - SHIMANE
- 39.3 CITIES SORTED ALPHABETICALLY - SHIMANE

## **40 SHIZUOKA**

- 40.1 LATENT DEMAND BY YEAR - SHIZUOKA
- 40.2 CITIES SORTED BY RANK - SHIZUOKA
- 40.3 CITIES SORTED ALPHABETICALLY - SHIZUOKA

## **41 TOCHIGI**

- 41.1 LATENT DEMAND BY YEAR - TOCHIGI
- 41.2 CITIES SORTED BY RANK - TOCHIGI
- 41.3 CITIES SORTED ALPHABETICALLY - TOCHIGI

## **42 TOKUSHIMA**

- 42.1 LATENT DEMAND BY YEAR - TOKUSHIMA
- 42.2 CITIES SORTED BY RANK - TOKUSHIMA
- 42.3 CITIES SORTED ALPHABETICALLY - TOKUSHIMA

## **43 TOKYO**

- 43.1 LATENT DEMAND BY YEAR - TOKYO
- 43.2 CITIES SORTED BY RANK - TOKYO
- 43.3 CITIES SORTED ALPHABETICALLY - TOKYO

## **44 TOTTORI**

- 44.1 LATENT DEMAND BY YEAR - TOTTORI

44.2 CITIES SORTED BY RANK - TOTTORI

44.3 CITIES SORTED ALPHABETICALLY - TOTTORI

## **45 TOYAMA**

45.1 LATENT DEMAND BY YEAR - TOYAMA

45.2 CITIES SORTED BY RANK - TOYAMA

45.3 CITIES SORTED ALPHABETICALLY - TOYAMA

## **46 WAKAYAMA**

46.1 LATENT DEMAND BY YEAR - WAKAYAMA

46.2 CITIES SORTED BY RANK - WAKAYAMA

46.3 CITIES SORTED ALPHABETICALLY - WAKAYAMA

## **47 YAMAGATA**

47.1 LATENT DEMAND BY YEAR - YAMAGATA

47.2 CITIES SORTED BY RANK - YAMAGATA

47.3 CITIES SORTED ALPHABETICALLY - YAMAGATA

## **48 YAMAGUCHI**

48.1 LATENT DEMAND BY YEAR - YAMAGUCHI

48.2 CITIES SORTED BY RANK - YAMAGUCHI

48.3 CITIES SORTED ALPHABETICALLY - YAMAGUCHI

## **49 YAMANASHI**

49.1 LATENT DEMAND BY YEAR - YAMANASHI

49.2 CITIES SORTED BY RANK - YAMANASHI

49.3 CITIES SORTED ALPHABETICALLY - YAMANASHI

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