

Tissue Engineered Skin Substitutes Market Size, Share & Trends Analysis Report By Product (Synthetic, Biosynthetic, Biological), By Application (Acute Wounds, Chronic Wounds), By End Use, By Region, And Segment Forecasts, 2020 - 2027

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Abstracts

The global tissue engineered skin substitutes market size is expected to reach USD 947.3 million by 2027, expanding at a CAGR of 4.7%, according to a new report by Grand View Research, Inc. Technological advancements, high demand for skin grafts, and rising prevalence of acute wounds are the key driving factors for the market.

Rising demand for skin grafts is a major factor boosting market growth. The recent trend of burn care and treatment has shifted to a more comprehensive approach which not only focuses on recovery from burn injury but also on improvement in long-term function and form of the healed injury and quality of life. Owing to this trend the demand for use of grafting and other substitutes in treatment and management of acute burns has increased and is rising at a constant pace.

Skin grafts are majorly used on partial and full thickness burns and have an important role in treatment of burn injuries. The grafts can be biological or synthetic in nature. Biological sources of skin grafts include cadaver skin, skin from the patient itself, and skin obtained from another donor either an allograft or xenograft. Moreover, these grafts provide more intact extracellular matrix, which aids in healing of wounds. Skin grafts allow excellent re-epithelization due to the presence of basement membrane and also show increased control over scaffold composition. It also has advantages over other dressing materials in terms of absorbency and frequency of dressing change. Aforementioned benefits are anticipated to drive the overall growth of the market.

Further key findings from the report suggest:

In terms of revenue, the biological segment held the market share in 2019 as the graft is prepared from patient's skin and it easily matches with the infected site

The acute wounds segment held the largest market share in 2019 as skin grafts are, generally, used in the treatment of burn injuries and surgeries. Thus, increasing prevalence of burn cases is anticipated to drive the market

The hospital segment held the largest market share in 2019 and is expected to witness the fastest growth rate over the forecast period due to the increasing number of surgeries

In Asia Pacific, the market is expected to witness the fastest growth rate over the forecast period owing to the rising prevalence of chronic and acute wounds in this region

Prominent key players present in the tissue engineered skin substitutes market are Amaranthus BioScience Holdings; Organogenesis, Inc.; KCI Licensing, Inc.; Smith and Nephew; BSN medical; M?Inlycke Health Care AB; Integra LifeSciences Corporation; Medtronic; and Tissue Regenix.

Contents

CHAPTER 1 RESEARCH METHODOLOGY

- 1.1 Research Methodology
 - 1.1.1 Information procurement
- 1.2 Information or Data Analysis
- 1.3 Market Formulation & Validation
 - 1.3.1 Market: CAGR Calculation
- 1.4 Segment Share Calculation
- 1.5 List of Secondary Sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Outlook
- 2.2 Segment Outlook
 - 2.2.1 Market Segmentation
- 2.3 Competitive Insights
- 2.4 Market Snapshot

CHAPTER 3 TISSUE ENGINEERED SKIN SUBSTITUTES MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Market Lineage Outlook
- 3.2 Penetration & Growth Prospect Mapping
- 3.3 Product Pipeline Analysis
- 3.4 Regulatory Framework
- 3.5 Market Dynamics
 - 3.5.1 Market driver analysis
 - 3.5.1.1 High demand for skin grafts
 - 3.5.1.2 Rising prevalence of acute and chronic wounds
 - 3.5.1.3 Technological advancements
 - 3.5.2 Market restraint analysis
 - 3.5.2.1 High treatment cost
 - 3.5.2.2 Stringent regulations
- 3.6 Tissue Engineered Skin Substitutes Market Analysis Tools
 - 3.6.1 SWOT Analysis, by PEST
 - 3.6.2 Porter's five forces analysis

CHAPTER 4 TISSUE ENGINEERED SKIN SUBSTITUTES MARKET: SEGMENT ANALYSIS, BY PRODUCT, 2016 - 2027 (USD MILLION)

- 4.1 Definitions & Scope
- 4.2 Product Market Share Analysis, 2019 & 2027
- 4.3 Segment Dashboard
- 4.4 Tissue Engineered Skin Substitutes Market, by Product, 2016 to 2027
- 4.5 Market Size Forecasts and Trend Analysis
 - 4.5.1 Biological
 - 4.5.1.1 Biological market, 2016 - 2027 (USD Million)
 - 4.5.2 Biosynthetic
 - 4.5.2.1 Biosynthetic market, 2016 - 2027 (USD Million)
 - 4.5.2 Synthetic
 - 4.5.2.1 Synthetic market, 2016 - 2027 (USD Million)

CHAPTER 5 TISSUE ENGINEERED SKIN SUBSTITUTES MARKET: SEGMENT ANALYSIS, BY APPLICATION, 2016 - 2027 (USD MILLION)

- 5.1 Definitions & Scope
- 5.2 Application Market Share Analysis, 2019 & 2027
- 5.3 Segment Dashboard
- 5.4 Tissue Engineered Skin Substitutes Market, by Application, 2016 to 2027
- 5.5 Market Size Forecasts & Trend Analysis
 - 5.5.1 Acute wounds
 - 5.5.1.1 Acute wounds market, 2016 - 2027 (USD Million)
 - 5.5.1.2 Surgery & trauma wounds
 - 5.5.1.2.1 Surgery & trauma wounds market, 2016 - 2027 (USD Million)
 - 5.5.1.3 Burn injuries
 - 5.5.1.3.1 Burn injuries market, 2016 - 2027 (USD Million)
 - 5.5.2 Chronic wounds
 - 5.5.2.1 Chronic wounds market, 2016 - 2027 (USD Million)
 - 5.5.2.2 Diabetic foot ulcers
 - 5.5.2.2.1 Diabetic foot ulcersmarket, 2016 - 2027 (USD Million)
 - 5.5.2.3 Venous leg ulcers
 - 5.5.2.3.1 Venous leg ulcers market, 2016 - 2027 (USD Million)
 - 5.5.2.4 Pressure ulcers
 - 5.5.2.4.1 Pressure ulcers market, 2016 - 2027 (USD Million)
 - 5.5.2.5 Other chronic wounds
 - 5.5.2.5.1 Other chronic woundsmarket, 2016 - 2027 (USD Million)

CHAPTER 6 TISSUE ENGINEERED SKIN SUBSTITUTES MARKET: SEGMENT ANALYSIS, BY END USE, 2016 - 2027 (USD MILLION)

- 6.1 Definitions & Scope
- 6.2 End Use Market Share Analysis, 2019 & 2027
- 6.3 Segment Dashboard
- 6.4 Tissue Engineered Skin Substitutes Market, by End Use, 2016 to 2027
- 6.5 Market Size Forecasts & Trend Analysis
 - 6.5.1 Hospitals
 - 6.5.1.1 Hospitals market, 2016 - 2027 (USD Million)
 - 6.5.2 Wound care centers
 - 6.5.2.1 Wound care centers market, 2016 - 2027 (USD Million)
 - 6.5.2 Others
 - 6.5.2.1 Others market, 2016 - 2027 (USD Million)

CHAPTER 7 TISSUE ENGINEERED SKIN SUBSTITUTES MARKET: REGIONAL MARKET ANALYSIS, BY PRODUCT, APPLICATION, AND END USE, 2016 - 2027 (USD MILLION)

- 7.1 Definitions & Scope
- 7.2 Regional Market Share Analysis, 2019 & 2027
- 7.3 Regional Market Snapshot
- 7.4 Market Size Forecasts & Trend Analysis
 - 7.4.1 North America
 - 7.4.1.1 North America tissue engineered skin substitutes market, 2016 - 2027 (USD Million)
 - 7.4.1.2 U.S.
 - 7.4.1.2.1 U.S. tissue engineered skin substitutes market, 2016 - 2027 (USD Million)
 - 7.4.1.3 Canada
 - 7.4.1.3.1 Canada tissue engineered skin substitutes market, 2016 - 2027 (USD Million)
 - 7.4.2 Europe
 - 7.4.2.1 Europe tissue engineered skin substitutes market, 2016 - 2027 (USD Million)
 - 7.4.2.2 U.K.
 - 7.4.2.2.1 U.K. tissue engineered skin substitutes market, 2016 - 2027 (USD Million)
 - 7.4.2.3 Germany
 - 7.4.2.3.1 Germany tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.3 Asia Pacific

7.4.3.1 Asia Pacific tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.3.2 Japan

7.4.3.2.1 Japan tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.3.3 China

7.4.3.3.1 China tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.4 Latin America

7.4.4.1 Latin America tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.4.2 Brazil

7.4.4.2.1 Brazil tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.4.3 Mexico

7.4.4.3.1 Mexico tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.5 Middle East & Africa

7.4.5.1 Middle East & Africa tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.5.2 South Africa

7.4.5.2.1 South Africa tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

7.4.5.3 Saudi Arabia

7.4.5.3.1 Saudi Arabia tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

CHAPTER 8 TISSUE ENGINEERED SKIN SUBSTITUTES MARKET: COMPETITIVE ANALYSIS

8.1 Recent Development & Impact Analysis, by Key Market Participants

8.2 Company Profiles

8.2.1 Amaranthus BioScience Holdings

8.2.1.1 Company overview

8.2.1.2 Financial performance

8.2.1.3 Product benchmarking

8.2.1.4 Strategic initiatives

8.2.2 Organogenesis, Inc.

- 8.2.2.1 Company overview
- 8.2.2.2 Financial performance
- 8.2.2.3 Product benchmarking
- 8.2.2.4 Strategic initiatives
- 8.2.3 KCI Licensing, Inc.
 - 8.2.3.1 Company overview
 - 8.2.3.2 Financial performance
 - 8.2.3.2 Product benchmarking
 - 8.2.3.3 Strategic initiatives
- 8.2.4 Smith & Nephew
 - 8.2.4.1 Company overview
 - 8.2.4.2 Financial performance
 - 8.2.4.3 Product benchmarking
 - 8.2.4.4 Strategic initiatives
- 8.2.5 BSN medical
 - 8.2.5.1 Company overview
 - 8.2.5.2 Financial performance
 - 8.2.5.3 Product benchmarking
 - 8.2.5.4 Strategic initiatives
- 8.2.6 M?Inlycke Health Care AB
 - 8.2.6.1 Company overview
 - 8.2.6.2 Financial performance
 - 8.2.6.3 Product benchmarking
 - 8.2.6.4 Strategic initiatives
- 8.2.7 Integra LifeSciences Corporation
 - 8.2.7.1 Company overview
 - 8.2.7.2 Financial performance
 - 8.2.7.3 Product benchmarking
 - 8.2.7.4 Strategic initiatives
- 8.2.8 Medtronic
 - 8.2.8.1 Company overview
 - 8.2.8.2 Financial performance
 - 8.2.8.3 Product benchmarking
 - 8.2.8.4 Strategic initiatives
- 8.2.9 Tissue Regenix
 - 8.2.9.1 Company overview
 - 8.2.9.2 Financial performance
 - 8.2.9.3 Product benchmarking
 - 8.2.9.4 Strategic initiatives

List Of Tables

LIST OF TABLES

Table 1. List of secondary sources

Table 2. Global tissue engineered skin substitutes market, by region, 2016 - 2027 (USD Million)

Table 3. Global tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 4. Global tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 5. Global tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 6. North America tissue engineered skin substitutes market, by country, 2016 - 2027 (USD Million)

Table 7. North America tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 8. North America tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 9. North America tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 10. U.S. tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 11. U.S. tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 12. U.S. tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 13. Canada tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 14. Canada tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 15. Canada tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 16. Europe tissue engineered skin substitutes market, by country, 2016 - 2027 (USD Million)

Table 17. Europe tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 18. Europe tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 19. Europe tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 20. U.K. tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 21. U.K. tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 22. U.K. tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 23. Germany tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 24. Germany tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 25. Germany tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 26. Asia Pacific tissue engineered skin substitutes market, by country, 2016 - 2027 (USD Million)

Table 27. Asia Pacific tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 28. Asia Pacific tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 29. Asia Pacific tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 30. Japan tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 31. Japan tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 32. Japan tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 33. China tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 34. China tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 35. China tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 36. Latin America tissue engineered skin substitutes market, by country, 2016 - 2027 (USD Million)

Table 37. Latin America tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 38. Latin America tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

- 2027 (USD Million)

Table 39. Latin America tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 40. Brazil tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 41. Brazil tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 42. Brazil tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 43. Mexico tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 44. Mexico tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 45. Mexico tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 46. Middle East & Africa tissue engineered skin substitutes market, by country, 2016 - 2027 (USD Million)

Table 47. Middle East & Africa tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 48. Middle East & Africa tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 49. Middle East & Africa tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 50. South Africa tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 51. South Africa tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 52. South Africa tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

Table 53. Saudi Arabia tissue engineered skin substitutes market, by product, 2016 - 2027 (USD Million)

Table 54. Saudi Arabia tissue engineered skin substitutes market, by application, 2016 - 2027 (USD Million)

Table 55. Saudi Arabia tissue engineered skin substitutes market, by end use, 2016 - 2027 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Information procurement
- Fig. 3 Primary research pattern
- Fig. 4 Market research approaches
- Fig. 5 Value chain based sizing & forecasting
- Fig. 6 QFD modelling for market share assessment
- Fig. 7 Market formulation & validation
- Fig. 8 Disinfection caps market segmentation
- Fig. 9 Market summary
- Fig. 10 Market lineage outlook
- Fig. 11 Penetration & growth prospect mapping
- Fig. 12 Reimbursement pathway
- Fig. 13 Market driver relevance analysis (Current & future impact)
- Fig. 14 Market restraint relevance analysis (Current & future impact)
- Fig. 15 SWOT analysis, by factor (political & legal, economic and technological)
- Fig. 16 Porter's five forces analysis
- Fig. 17 Tissue engineered skin substitutes market: Product movement analysis
- Fig. 18 Tissue engineered skin substitutes market: Product scope & market share
- Fig. 19 Tissue engineered skin substitutes market product outlook: Key takeaways
- Fig. 20 Biological tissue engineered skin substitutes market, 2016 - 2027 (USD Million)
- Fig. 21 Biosynthetic tissue engineered skin substitutes market, 2016 - 2027 (USD Million)
- Fig. 22 Synthetic tissue engineered skin substitutes market, 2016 - 2027 (USD Million)
- Fig. 23 Tissue engineered skin substitutes market: Application movement analysis
- Fig. 24 Tissue engineered skin substitutes market: Application scope & market share
- Fig. 25 Tissue engineered skin substitutes market application outlook: Key takeaways
- Fig. 26 Acute wounds market, 2016 - 2027 (USD Million)
- Fig. 27 Surgery & trauma wounds market, 2016 - 2027 (USD Million)
- Fig. 28 Burn injury wounds market, 2016 - 2027 (USD Million)
- Fig. 29 Chronic wounds market, 2016 - 2027 (USD Million)
- Fig. 30 Diabetic foot ulcers market, 2016 - 2027 (USD Million)
- Fig. 31 Venous leg ulcers market, 2016 - 2027 (USD Million)
- Fig. 32 Pressure ulcers market, 2016 - 2027 (USD Million)
- Fig. 33 Other chronic wounds market, 2016 - 2027 (USD Million)
- Fig. 34 Tissue engineered skin substitutes market: End use movement analysis

Fig. 35 Tissue engineered skin substitutes market: End use scope & market share

Fig. 36 Tissue engineered skin substitutes market end use outlook: Key takeaways

Fig. 37 Hospitals market, 2016 - 2027 (USD Million)

Fig. 38 Wound care centers market, 2016 - 2027 (USD Million)

Fig. 39 Others market, 2016 - 2027 (USD Million)

Fig. 40 Regional Outlook, 2019 & 2027

Fig. 41 Regional market place: Key takeaways

Fig. 42 North America tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 43 U.S tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 44 Canada tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 45 Europe tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 46 U.K. tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 47 Germany tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 48 Asia Pacific tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 49 Japan tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 50 China tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 51 Latin America tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 52 Brazil tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 53 Mexico tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 54 Middle East & Africa tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 55 South Africa tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

Fig. 56 Saudi Arabia tissue engineered skin substitutes market, 2016 - 2027 (USD Million)

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