

# Nonalcoholic Steatohepatitis (NASH) - Market Insights, Epidemiology and Market Forecast-2028

https://marketpublishers.com/r/N9EB31D67C2EN.html

Date: November 2018

Pages: 100

Price: US\$ 6,250.00 (Single User License)

ID: N9EB31D67C2EN

# **Abstracts**

This report can be delivered to the clients within 7-10 Business Days

DelveInsight's 'Nonalcoholic Steatohepatitis (NASH) - Market Insights, Epidemiology and Market Forecast-2028' report delivers an in-depth understanding of the disease, historical & forecasted epidemiology as well as the market trends of NASH in the United States, EU5 (Germany, Spain, Italy, France and United Kingdom), and Japan.

The Report provides the current treatment practices, emerging drugs, market share of the individual therapies, current and forecasted market size of Nonalcoholic Steatohepatitis from 2016 to 2028 segmented by seven major markets. The Report also covers current treatment practice/algorithm, market drivers, market barriers and unmet medical needs to curate best of the opportunities and assess underlying potential of the market.

Geography Covered

The United States

EU5 (Germany, France, Italy, Spain and the United Kingdom)

Japan

Study Period: 2016-2028

Nonalcoholic Steatohepatitis - Disease Understanding and Treatment Algorithm



Nonalcoholic Steatohepatitis (NASH) is the progressive form of liver injury that carries a risk of progressive fibrosis, cirrhosis, and end-stage liver disease. It is an advanced form of non-alcoholic fatty liver disease (NAFLD), caused by buildup of fat in the liver. When this buildup causes inflammation and damage, it is known as NASH, which can lead to scarring of the liver. Scarring of the liver is a potentially life-threatening condition called cirrhosis. NASH usually comes under the category of silent diseases that has very few or no symptoms typically because it doesn't cause any symptoms until it's too late.

The classification of fibrosis stages of NASH is as follows: No Fibrosis (F0), NASH Fibrosis (F1, F2 and F3), and NASH Cirrhosis (F4). According to various studies, such as Schuppan D et.al. [2019], Siddharth Singh et.al. [2014], and others NASH has been defined to keep progressing from early stages (F0 and F1) to advanced stages (F2, F3, F4) over time. The development of NASH with cirrhosis increases the risk of NASH Decompensated Cirrhosis and ultimately to death.

The DelveInsight Nonalcoholic Steatohepatitis (NASH) market report gives the thorough understanding of the NASH by including details such as disease definition, classification, symptoms, etiology, pathophysiology, diagnostic trends. It also provides treatment algorithms and treatment guidelines for NASH in the US, Europe, and Japan.

Nonalcoholic Steatohepatitis - Epidemiology

The Nonalcoholic Steatohepatitis epidemiology division provide the insights about historical and current patient pool and forecasted trend for every 8 major countries. It helps to recognize the causes of current and forecasted trends by exploring numerous studies and views of key opinion leaders. This part of the DelveInsight report also provides the diagnosed patient pool and their trends along with assumptions undertaken.

The disease epidemiology covered in the report provides historical as well as forecasted epidemiology [segmented by Total Prevalent Cases of Non-Alcoholic Fatty Liver Disease, Total Prevalent cases of Nonalcoholic Steatohepatitis and Nonalcoholic Steatohepatitis Segmentation by Fibrosis Stage] scenario of Nonalcoholic Steatohepatitis in the 7MM countries covering United States, EU5 countries (Germany, Spain, Italy, France and United Kingdom), and Japan from 2016-2028.

According to DelveInsight, increase in obesity, diabetes population will significantly



increase the prevalent cases of NAFLD with the CAGR of 1.02% for the study period i.e. 2016-2028 in the 7MM. Of all the prevalent cases of NAFLD in the 7MM, approximately 19% of the population fulfilled the criteria for NASH. These cases are expected to increase throughout the study period [2016-2028], reaching nearly 47 million cases in 2028. We estimate highest prevalence of NASH in the United States, accounting for almost 50% of the total prevalent cases, followed by Japan. On the other hand, it is assessed that among the European countries, Germany accounted for the highest prevalent population, followed by Italy. Among all the 7MM countries, Spain had the lowest prevalent population.

### Nonalcoholic Steatohepatitis - Drug Chapters

This segment of the Nonalcoholic Steatohepatitis (NASH) report encloses the detailed analysis of marketed drugs and late stage (Phase-III and Phase-II) pipeline drugs. It also helps to understand the clinical trial details, expressive pharmacological action, agreements and collaborations, approval and patent details, advantages and disadvantages of each included drug and the latest news and press releases.

The treatment of NASH depends on the stage of the disease. Currently, there is no approved therapy for the treatment of NASH, yet doctors prescribe certain off-label drugs (supportive therapies) for its management. Lifestyle modifications are however the first line treatment. Lifestyle modifications include going for weight loss combined with active exercise program. Diet is also planned accordingly.

Medications are then prescribed in the later stages when lifestyle modifications do not produce significant results. Insulin sensitizing agents are prescribed in certain cases, however, metformin produced good results but on a temporary basis, due to which it is not recommended much. Pioglitazone is recommended in selected cases for patients already suffering with type II diabetes.

Vitamin E produces very significant results and is prescribed in most cases. Vitamin E is a first line therapy only for patients without diabetes. It is not recommended for patients with diabetes, NASH cirrhosis or cryptogenic cirrhosis. Statins are also prescribed in cases when a person has the cardiovascular risk associated with NASH. Statins are not recommended until histologic data are available.

Detailed chapters of upcoming therapies such as Elafibranor (Genfit), OCA (Intercept Pharmaceuticals), Selonsertib (Gilead Sciences), Cenicriviroc (Allergan-Tobira), GS-9674 (Gilead Sciences), Aramchol\_005 (Galmed), MSDC-0602K (Cirius



Therapeutics), Emricasan (Conatus Pharmaceuticals), and others which are expected to launch during the forecast period [2019-2028] have also been covered in the report.

Nonalcoholic Steatohepatitis Market Outlook

The Nonalcoholic Steatohepatitis (NASH) market outlook of the report helps to build the detailed comprehension of the historic, current and forecasted trend of the market by analyzing the impact of current therapies on the market, unmet needs, drivers and barriers and demand of better technology.

This segment gives a through detail of market trend of each marketed drug and latestage pipeline therapy by evaluating their impact based on annual cost of therapy, inclusion and exclusion criteria's, mechanism of action, compliance rate, growing need of the market, increasing patient pool, covered patient segment, expected launch year, competition with other therapies, brand value, their impact on the market and view of the key opinion leaders. The calculated market data are presented with relevant tables and graphs to give a clear view of the market at first sight.

The market for the treatment of Nonalcoholic Steatohepatitis (NASH) will experience significant annual growth over the 2016-2028 study period, as major-market sales increase up to USD 30,096.1 million by 2028. As the number of effective treatment for the NASH increases during the forecast period, the supportive therapies (off-label) market share will start to decrease, from a peak of 100% in 2016 to ~11% in 2028. Elafibranor (Genfit) will be the first drug for the treatment of NASH which will targeting the NASH Fibrosis (F1, F2 & F3) patients and Obeticholic acid (OCA; Intercept Pharmaceutical) will give competition to Elafibranor. Intercept's OCA is expected to grab maximum market share, owing to its development to target all stages of NASH (F1 to F4), except F0 and with the increasing demand for therapies to treat advanced stage of NASH, i.e. cirrhosis.

Nonalcoholic Steatohepatitis Drugs Uptake

This section focusses on the rate of uptake of the potential drugs recently launched in the market or will get launched in the market during the study period from 2016-2028. The analysis covers market uptake by drugs; patient uptake by therapies and sales of each drug.

This helps in understanding the drugs with the most rapid uptake, reasons behind the maximal use of new drugs and allows the comparison of the drugs on the basis of



market share and size which again will be useful in investigating factors important in market uptake and in making financial and regulatory decisions.

Key players in the market of NASH are Genfit, Intercept Pharmaceuticals, Gilead Sciences, Allergan (Tobira Therapeutics), Galmed Pharmaceuticals, Bristol-Myers Squibb, Cirius Therapeutics, Conatus Pharmaceuticals, Galectin Therapeutics, Immuron, NGM Biopharmaceuticals, Akcea Therapeutics and others. We expect that the launch of emerging therapies will fill the treatment void in the near future. The targeted therapies will have stronger penetration than the off-label therapies and the market is expected to reach in billions.

Intercept's Obeticholic Acid (OCA) is expected to grab maximum market share, owing to its development to target all stages of NASH (F1 to F4), except F0 and with the increasing demand for therapies to treat advanced stage of NASH, i.e. cirrhosis, this drug is expected to influence the market size with a greater percentage.

Apart from OCA, Selonsertib, and Emricasan, two other drugs which are expected to enter the NASH therapeutic market targeting cirrhosis stage of NASH, include GR-MD-02 by Galectin Therapeutics and Immuron's IMM-124E. Both of these drugs are expected will grab a significant proportion in the market size.

Furthermore, the expected launch of drugs, which are in the Phase II stage of clinical development shall significantly drive the market size forward. Emricasan (IDN-6556; Conatus Pharmaceuticals) is one of the drugs currently in Phase II, which will occupy more share in the therapeutic market of NASH as compared to two of the drugs in the Phase III, i.e. Cenicriviroc and Selonsertib.

It is expected that the market size of currently available off-label therapies for the treatment of NASH shall decrease, owing to the launch of upcoming therapies in forecast period [2019-2028]. Moreover, the ratio of drugs that will target all the NASH stages (F1 to F4) to those that are restricted towards the treatment of only one-or two of the stages, will be significant. Overall, the increasing prevalence, awareness of the disease and promising emerging pipeline therapies will fuel the market size during the forecasted period of 2019-2028.

Nonalcoholic Steatohepatitis Report Insights

**Patient Population** 



Therapeutic Approaches Pipeline Analysis Market Size and Trends Market Opportunities Impact of upcoming Therapies Nonalcoholic Steatohepatitis Report Key Strengths 10 Years Forecast 7MM Coverage **Epidemiology Segmentation Key Cross Competition** Market Size by Therapies **Drugs Uptake** Nonalcoholic Steatohepatitis Report Assessment Pipeline Product Profiles Key Products and Key Players Market Drivers and Barriers

# **Key Benefits**

This DelveInsight report will help to develop Business Strategies by understanding the trends shaping and driving Nonalcoholic Steatohepatitis



market

Organize sales and marketing efforts by identifying the best opportunities for Nonalcoholic Steatohepatitis market

To understand the future market competition in the Nonalcoholic Steatohepatitis market.



## **Contents**

#### 1. KEY INSIGHTS

# 2. NON-ALCOHOLIC STEATOHEPATITIS (NASH) MARKET OVERVIEW AT A GLANCE

- 2.1. Market Share (%) Distribution of NASH in 2016
- 2.2. Market Share (%) Distribution of NASH in 2028

# 3. DISEASE BACKGROUND AND OVERVIEW: NON-ALCOHOLIC STEATOHEPATITIS

- 3.1. Introduction
- 3.2. Signs and Symptoms of NASH
- 3.3. Causes and Risk Factors
- 3.4. Classification of NASH
- 3.5. Pathophysiology
  - 3.5.1. Pathogenesis
  - 3.5.2. Hedgehog signaling
- 3.6. Diagnosis
  - 3.6.1. Physical examination
  - 3.6.2. Laboratory examination
  - 3.6.3. Blood tests
  - 3.6.4. Imaging tests
  - 3.6.5. Liver biopsy
  - 3.6.6. Current diagnostic Trends (Noninvasive fibrosis tests)
  - 3.6.7. Functional Diagnostic tools of NASH

#### 4. EPIDEMIOLOGY AND PATIENT POPULATION

#### 4.1. Key Findings

#### 5. 7MM EPIDEMIOLOGY

- 5.1. Total Prevalent Cases of NAFLD in 7MM
- 5.2. Total Prevalent cases of NASH in 7MM

#### 6. UNITED STATES EPIDEMIOLOGY



- 6.1. Assumptions and Rationale
- 6.2. Total Prevalent Cases of NAFLD in the United States
- 6.3. Total Prevalent cases of NASH in the United States
- 6.4. NASH Segmentation by Fibrosis Stage in the United States

#### 7. EU5 EPIDEMIOLOGY

- 7.1. Germany Epidemiology
  - 7.1.1. Assumptions and Rationale
  - 7.1.2. Total Prevalent Cases of NAFLD in Germany
  - 7.1.3. Total Prevalent cases of NASH in Germany
  - 7.1.4. NASH Segmentation by Fibrosis Stage in Germany
- 7.2. France Epidemiology
  - 7.2.1. Assumptions and Rationale
  - 7.2.2. Total Prevalent Cases of NAFLD in France
  - 7.2.3. Total Prevalent cases of NASH in France
  - 7.2.4. NASH Segmentation by Fibrosis Stage in France
- 7.3. Italy Epidemiology
  - 7.3.1. Assumptions and Rationale
  - 7.3.2. Total Prevalent Cases of NAFLD in Italy
  - 7.3.3. Total Prevalent Cases of NASH in Italy
  - 7.3.4. NASH Segmentation by Fibrosis Stage in Italy
- 7.4. Spain Epidemiology
  - 7.4.1. Assumptions and Rationale
  - 7.4.2. Total Prevalent Cases of NAFLD in Spain
  - 7.4.3. Total Prevalent cases of NASH in Spain
- 7.4.4. NASH Segmentation by Fibrosis Stage in Spain
- 7.5. United Kingdom Epidemiology
  - 7.5.1. Assumptions and Rationale
  - 7.5.2. Total Prevalent Cases of NAFLD in the United Kingdom
  - 7.5.3. Total Prevalent cases of NASH in the United Kingdom
  - 7.5.4. NASH Segmentation by Fibrosis Stage in the United Kingdom
- 7.6. Japan Epidemiology
  - 7.6.1. Assumptions and Rationale
  - 7.6.2. Total Prevalent Cases of NAFLD in Japan
  - 7.6.3. Total Prevalent cases of NASH in Japan
  - 7.6.4. NASH Segmentation by Fibrosis Stage in Japan



#### 8. TREATMENT GOALS

#### 9. TREATMENT ALGORITHM

# 10. EXPERTS OPINIONS FOR OFF-LABEL (SUPPORTIVE THERAPIES) DRUGS FOR THE TREATMENT OF NASH

#### 11. TREATMENT GUIDELINES

- 11.1. American Association for the Study of Liver Diseases (AASLD) Current Recommendations for NAFLD/NASH
- 11.2. EASL-EASD-EASO\* Clinical Practice Guidelines for the management of non-alcoholic fatty liver disease
- 11.3. Guideline for NAFLD/NASH, by the Japanese Society of Gastroenterology (JSG) in cooperation with "The Japan Society of Hepatology"

#### **12. UNMET NEEDS**

#### 13. KEY CROSS COMPETITORS

#### 14. EMERGING DRUGS

- 14.1. Elafibranor (GFT505): Genfit
  - 14.1.1. Drug Description
  - 14.1.2. Other Development Activities
  - 14.1.3. Advantages & Disadvantages
  - 14.1.4. Clinical Development
  - 14.1.5. Clinical Trials Information
  - 14.1.6. Safety and Efficacy
  - 14.1.7. Product Profile
- 14.2. Obeticholic Acid (OCA, Ocaliva): Intercept Pharmaceuticals
  - 14.2.1. Drug Description
  - 14.2.2. Other Development Activities
  - 14.2.3. Advantages & Disadvantages
  - 14.2.4. Clinical Development
  - 14.2.5. Clinical Trials Information
  - 14.2.6. Safety and Efficacy
  - 14.2.7. Product Profile
- 14.3. Selonsertib (SEL, Formerly GS-4997): Gilead Sciences



- 14.3.1. Drug Description
- 14.3.2. Other Development Activities
- 14.3.3. Advantages & Disadvantages
- 14.3.4. Clinical Development
- 14.3.5. Clinical Trials Information
- 14.3.6. Safety and Efficacy
- 14.3.7. Product Profile
- 14.4. Cenicriviroc (CVC): Allergan (Tobira Therapeutics)
  - 14.4.1. Drug Description
  - 14.4.2. Other Development Activities
  - 14.4.3. Advantages and Disadvantages
  - 14.4.4. Clinical Development
  - 14.4.5. Clinical Trials Information
  - 14.4.6. Safety and Efficacy
  - 14.4.7. Product Profile
- 14.5. GS-9674: Gilead Sciences
  - 14.5.1. Drug Description
  - 14.5.2. Other Developmental Activities
  - 14.5.3. Clinical Development
  - 14.5.4. Clinical Trials Information
  - 14.5.5. Safety and Efficacy
  - 14.5.6. Product Profile
- 14.6. GS-0976: Gilead Sciences
  - 14.6.1. Drug Description
  - 14.6.2. Other Development Activities
  - 14.6.3. Clinical Development
  - 14.6.4. Clinical Trials Information
  - 14.6.5. Safety and Efficacy
  - 14.6.6. Product Profile
- 14.7. Aramchol\_005: Galmed Pharmaceuticals Ltd.
  - 14.7.1. Drug Description
  - 14.7.2. Other Development Activities
  - 14.7.3. Clinical Development
  - 14.7.4. Clinical Trials Information
  - 14.7.5. Safety and Efficacy
  - 14.7.6. Product Profile
- 14.8. BMS-986036 (Pegylated FGF21): Bristol-Myers Squibb (BMS)
  - 14.8.1. Drug Description
- 14.8.2. Other Development Activities



- 14.8.3. Clinical Development
- 14.8.4. Clinical Trials Information
- 14.8.5. Safety and Efficacy
- 14.8.6. Product Profile
- 14.9. IMM-124E: Immuron
  - 14.9.1. Drug Description
  - 14.9.2. Other Developmental Activities
  - 14.9.3. Clinical Development
  - 14.9.4. Clinical Trials Information
  - 14.9.5. Safety and Efficacy
  - 14.9.6. Product Profile
- 14.10. GR-MD-02: Galectin Therapeutics
- 14.10.1. Drug Description
- 14.10.2. Other Developmental Activities
- 14.10.3. Clinical Development
- 14.10.4. Clinical Trials Information
- 14.10.5. Safety and Efficacy
- 14.10.6. Product Profile
- 14.11. Emricasan (IDN-6556): Conatus Pharmaceuticals
  - 14.11.1. Drug Description
  - 14.11.2. Other Developmental Activities
  - 14.11.3. Clinical Development
  - 14.11.4. Clinical Trials Information
  - 14.11.5. Safety and Efficacy
  - 14.11.6. Product Profile
- 14.12. MSDC-0602K: Cirius Therapeutics
  - 14.12.1. Drug Description
  - 14.12.2. Other Developmental Activities
  - 14.12.3. Clinical Development
  - 14.12.4. Clinical Trials Information
  - 14.12.5. Safety and Efficacy
  - 14.12.6. Product Profile
- 14.13. NGM282: NGM Biopharmaceuticals
  - 14.13.1. Drug Description
  - 14.13.2. Other Developmental Activities
  - 14.13.3. Clinical Development
  - 14.13.4. Clinical Trials Information
  - 14.13.5. Safety and Efficacy
- 14.13.6. Product Profile



- 14.14. JKB-121 (Nalmefene): TaiwanJ Pharmaceuticals
  - 14.14.1. Drug Description
  - 14.14.2. Other Developmental Activities
  - 14.14.3. Clinical Development
  - 14.14.4. Clinical Trials Information
  - 14.14.5. Safety and Efficacy
  - 14.14.6. Product Profile
- 14.15. Semaglutide: Novo Nordisk
  - 14.15.1. Drug Description
  - 14.15.2. Other Developmental Activities
  - 14.15.3. Clinical Development
  - 14.15.4. Clinical Trials Information
- 14.15.5. Product Profile
- 14.16. LMB763: Novartis Pharmaceuticals
  - 14.16.1. Product Description
  - 14.16.2. Other Developmental Activities
  - 14.16.3. Clinical Development
  - 14.16.4. Clinical Trials Information
  - 14.16.5. Product Profile
- 14.17. LJN452 (Tropifexor): Novartis Pharmaceuticals
- 14.17.1. Drug Description
- 14.17.2. Other Developmental Activities
- 14.17.3. Clinical Development
- 14.17.4. Clinical Trials Information
- 14.17.5. Product Profile
- 14.18. MT-3995 (Apararenone): Mitsubishi Tanabe Pharma
  - 14.18.1. Drug Description
  - 14.18.2. Clinical Development
  - 14.18.3. Clinical Trials Information
  - 14.18.4. Product Profile
- 14.19. MN-001 (Tipelukast): MediciNova
  - 14.19.1. Drug Description
  - 14.19.2. Other Developmental Activities
  - 14.19.3. Clinical Development
  - 14.19.4. Clinical Trials Information
  - 14.19.5. Safety and Efficacy
  - 14.19.6. Product Profile
- 14.20. MGL-3196: Madrigal Pharmaceuticals
  - 14.20.1. Drug Description



- 14.20.2. Other Developmental Activities
- 14.20.3. Clinical Development
- 14.20.4. Clinical Trials Information
- 14.20.5. Safety and Efficacy
- 14.20.6. Product Profile
- 14.21. Lanifibranor (IVA33): Inventiva Pharma
  - 14.21.1. Drug Description
  - 14.21.2. Other Developmental Activities
  - 14.21.3. Clinical Development
  - 14.21.4. Clinical Trials Information
  - 14.21.5. Safety and Efficacy
- 14.21.6. Product Profile
- 14.22. Solithromycin (CEM-101): Cempra Inc (Melinta Therapeuctics)
  - 14.22.1. Drug Description
  - 14.22.2. Other Development Activities
  - 14.22.3. Clinical Development
  - 14.22.4. Clinical Trials Information
  - 14.22.5. Safety and Efficacy
  - 14.22.6. Product Profile
- 14.23. CF102 (Namodenoson): Can-Fite BioPharma
- 14.23.1. Drug Description
- 14.23.2. Other Developmental Activities
- 14.23.3. Clinical Development
- 14.23.4. Clinical Trials Information
- 14.23.5. Safety and Efficacy
- 14.23.6. Product Profile

#### 15. NONALCOHOLIC STEATOHEPATITIS (NASH): 7 MAJOR MARKET ANALYSIS

- 15.1. Key Findings
- 15.2. Market Size: Assumptions and Forecast Parameters
- 15.3. Market Size of Nonalcoholic Steatohepatitis (NASH) in 7MM
- 15.4. Market Distribution (%) of Nonalcoholic Steatohepatitis (NASH), in 2016, 2022 and 2028, in the 7MM

#### 16. THE UNITED STATES: MARKET OUTLOOK

- 16.1. The United States Market Size
  - 16.1.1. Total Market size of NASH



### 16.1.2. Market Size of NASH by Therapies

#### 17. EU5: MARKET OUTLOOK

- 17.1. Germany Market Size
  - 17.1.1. Total Market size of NASH
- 17.1.2. Market Size of NASH by Therapies
- 17.2. France Market Size
  - 17.2.1. Total Market size of NASH
  - 17.2.2. Market Size of NASH by Therapies
- 17.3. Italy Market Size
  - 17.3.1. Total Market size of NASH
  - 17.3.2. Market Size of NASH by Therapies
- 17.4. Spain Market Size
  - 17.4.1. Total Market size of NASH
  - 17.4.2. Market Size of NASH by Therapies
- 17.5. The United Kingdom Market Size
  - 17.5.1. Total Market size of NASH
  - 17.5.2. Market Size of NASH by Therapies

#### 18. JAPAN: MARKET OUTLOOK

- 18.1. Japan Market Size
  - 18.1.1. Total Market size of NASH
  - 18.1.2. Market Size of NASH by Therapies

#### 19. MARKET DRIVERS

#### 20. MARKET BARRIERS

- 21. APPENDIX
- 21.1. Report Methodology

#### 22. DELVEINSIGHT CAPABILITIES

### 23. DISCLAIMER

# 24. ABOUT DELVEINSIGHT







# **List Of Tables**

#### LIST OF TABLES

- Table 1: Symptoms of NASH
- Table 2: Risk factors of NASH
- Table 3: Grading and Staging the lesions of NAFLD
- Table 4: NASH Activity Grade: grade= total score: S + L + B (range: 0-8)
- Table 5: Diagnostic tests for fatty liver
- Table 6: Noninvasive fibrosis serum tests and scores to diagnose nonalcoholic steatohepatitis (NASH) and/or stage fibrosis in patients with nonalcoholic fatty liver
- disease (NAFLD)
- Table 7: Total Prevalent Cases of NAFLD in 7MM (2016-2028)
- Table 8: Total Prevalent cases of NASH in 7MM (2016-2028)
- Table 9: Total Prevalent Cases of NAFLD in the United States (2016-2028)
- Table 10: Total Prevalent cases of NASH in the United States (2016-2028)
- Table 11: NASH Segmentation by Fibrosis Stage in the United States (2016-2028)
- Table 12: Total Prevalent Cases of NAFLD in Germany (2016-2028)
- Table 13: Total Prevalent cases of NASH in Germany (2016-2028)
- Table 14: NASH Segmentation by Fibrosis Stage in Germany (2016-2028)
- Table 15: Total Prevalent Cases of NAFLD in France (2016-2028)
- Table 16: Total Prevalent cases of NASH in France (2016-2028)
- Table 17: NASH Segmentation by Fibrosis Stage in France (2016-2028)
- Table 18: Total Prevalent Cases of NAFLD in Italy (2016-2028)
- Table 19: Total Prevalent cases of NASH in Italy (2016-2028)
- Table 20: NASH Segmentation by Fibrosis Stage in Italy (2016-2028)
- Table 21: Total Prevalent Cases of NAFLD in Spain (2016-2028)
- Table 22: Total Prevalent cases of NASH in Spain (2016-2028)
- Table 23: NASH Segmentation by Fibrosis Stage in Spain (2016-2028)
- Table 24: Total Prevalent Cases of NAFLD in the United Kingdom (2016-2028)
- Table 25: Total Prevalent cases of NASH in the United Kingdom (2016-2028)
- Table 26: NASH Segmentation by Fibrosis Stage in the United Kingdom (2016-2028)
- Table 27: Total Prevalent Cases of NAFLD in Japan (2016-2028)
- Table 28: Total Prevalent cases of NASH in Japan (2016-2028)
- Table 29: NASH Segmentation by Fibrosis Stage in Japan (2016-2028)
- Table 30: Off-label NASH treatment
- Table 31 Experts Opinions for Off-Label (Supportive Therapies) drugs for the treatment
- of NASH
- Table 32 AASLD Current Recommendations for NAFLD/NASH



Table 33 EASL–EASD–EASO Clinical Practice Guidelines for the management of NAFLD

Table 34 Guideline for NAFLD/NASH, by the Japanese Society of Gastroenterology (JSG)

- Table 35: Emerging Drugs Analysis- Phase III
- Table 36: Emerging Drugs Analysis-Phase II
- Table 37: Emerging Drugs Analysis-Phase II (Continued)
- Table 38: Emerging Drugs Analysis-Phase II (Continued)
- Table 39: Emerging Drugs Analysis-Phase II (Continued)
- Table 40: Emerging Drugs Analysis-Phase II (Continued)
- Table 41: Emerging Drugs Analysis-Phase II (Continued)
- Table 42: Emerging Drugs Analysis-Phase II (Continued)
- Table 43: Emerging Drugs Analysis-Phase II (Continued)
- Table 44: List of Some Other Emerging Drugs
- Table 45: Elafibranor, Clinical Trial Description, 2019
- Table 46: Obeticholic Acid, Clinical Trial Description, 2019
- Table 47: Selonsertib, Clinical Trial Description, 2019
- Table 48: Cenicriviroc, Clinical Trial Description, 2019
- Table 49: GS-9674, Clinical Trial Description, 2019
- Table 50: GS-0976, Clinical Trial Description, 2019
- Table 51: Aramchol 005, Clinical Trial Description, 2019
- Table 52: BMS-986036, Clinical Trial Description, 2019
- Table 53: IMM-124E, Clinical Trial Description, 2019
- Table 54: GR-MD-02, Clinical Trial Description, 2019
- Table 55: Emricasan, Clinical Trial Description, 2019
- Table 56: MSDC-0602K, Clinical Trial Description, 2019
- Table 57: NGM282, Clinical Trial Description, 2019
- Table 58: JKB-121, Clinical Trial Description, 2019
- Table 59: Semaglutide, Clinical Trial Description, 2019
- Table 60: LMB763, Clinical Trial Description, 2019
- Table 61: LJN452, Clinical Trial Description, 2019
- Table 62: MT-3995, Clinical Trial Description, 2019
- Table 63: MN-001, Clinical Trial Description, 2019
- Table 64: MGL-3196, Clinical Trial Description, 2019
- Table 65: Lanifibranor, Clinical Trial Description, 2019
- Table 66: Solithromycin, Clinical Trial Description, 2019
- Table 67: CF102, Clinical Trial Description, 2019
- Table 68: 7 Major Market Size of NASH in USD Million (2016-2028)
- Table 69: Market Size of NASH in the United States, USD Millions (2016-2028)



- Table 70: Therapy Based Market Size of NASH in the United States, USD Million (2016-2028)
- Table 71: Market Size of NASH in Germany, USD Millions (2016-2028)
- Table 72: Therapy Based Market Size of NASH in Germany, USD Million (2016-2028)
- Table 73: Market Size of NASH in France, USD Millions (2016-2028)
- Table 74: Therapy Based Market Size of NASH in France, USD Million (2016-2028)
- Table 75: Market Size of NASH in Italy, USD Millions (2016-2028)
- Table 76: Therapy Based Market Size of NASH in Italy, USD Million (2016-2028)
- Table 77: Market Size of NASH in Spain, USD Millions (2016-2028)
- Table 78: Therapy Based Market Size of NASH in Spain, USD Million (2016-2028)
- Table 79: Market Size of NASH in the United Kingdom, USD Millions (2016-2028)
- Table 80: Therapy Based Market Size of NASH in the United Kingdom, USD Million (2016-2028)
- Table 81: Market Size of NASH in Japan, USD Millions (2016-2028)
- Table 82: Therapy Based Market Size of NASH in Japan, USD Million (2016-2028)



# **List Of Figures**

#### LIST OF FIGURES

- Figure 1: Causes of NASH
- Figure 2: Causes of NASH: The emerging problem of Nonalcoholic Steatohepatitis

(NASH)

- Figure 3: Classification of NASH by Fibrosis stages
- Figure 4: Mechanisms of hepatic steatosis
- Figure 5: Lipotoxicity and the wound-healing response
- Figure 6: The hedgehog signaling pathway
- Figure 7: Total Prevalent cases of NAFLD in 7MM (2016-2028)
- Figure 8: Total Prevalent cases of NASH in 7MM (2016-2028)
- Figure 9: Total Prevalent Cases of NAFLD in the United States (2016-2028)
- Figure 10: Total Prevalent cases of NASH in the United States (2016-2028)
- Figure 11: NASH Segmentation by Fibrosis Stage in the United States (2016-2028)
- Figure 12: Total Prevalent Cases of NAFLD in Germany (2016-2028)
- Figure 13: Total Prevalent cases of NASH in Germany (2016-2028)
- Figure 14: NASH Segmentation by Fibrosis Stage in Germany (2016-2028)
- Figure 15: Total Prevalent Cases of NAFLD in France (2016-2028)
- Figure 16: Total Prevalent cases of NASH in France (2016-2028)
- Figure 17: NASH Segmentation by Fibrosis Stage in France (2016-2028)
- Figure 18: Total Prevalent Cases of NAFLD in Italy (2016-2028)
- Figure 19: Total Prevalent cases of NASH in Italy (2016-2028)
- Figure 20: NASH Segmentation by Fibrosis Stage in Italy (2016-2028)
- Figure 21: Total Prevalent Cases of NAFLD in Spain (2016-2028)
- Figure 22: Total Prevalent cases of NASH in Spain (2016-2028)
- Figure 23: NASH Segmentation by Fibrosis Stage in Spain (2016-2028)
- Figure 24: Total Prevalent Cases of NAFLD in the United Kingdom (2016-2028)
- Figure 25: Total Prevalent cases of NASH in the United Kingdom (2016-2028)
- Figure 26: NASH Segmentation by Fibrosis Stage in the United Kingdom (2016-2028)
- Figure 27: Total Prevalent Cases of NAFLD in Japan (2016-2028)
- Figure 28: Total Prevalent cases of NASH in Japan (2016-2028)
- Figure 29: NASH Segmentation by Fibrosis Stage in Japan (2016-2028)
- Figure 30: Management Goals in NAFLD
- Figure 31: Treatment Algorithm of NASH
- Figure 32: Medications for NASH
- Figure 33: Management of NAFLD based on histology
- Figure 34: Unmet needs for WM



- Figure 35: 7 Major Market Size of NASH in USD Million (2016-2028)
- Figure 36: 7 Major Market Distribution of NASH by therapies in 2016
- Figure 37: 7 Major Market Distribution of NASH by therapies in 2022
- Figure 38: 7 Major Market Distribution of NASH by therapies in 2028
- Figure 39: Market Size of NASH in the United States, USD Millions (2016-2028)
- Figure 40: Therapies Based market of NASH in the United States, USD Million (2016-2028)
- Figure 41: Market Size of NASH in Germany, USD Millions (2016-2028)
- Figure 42: Therapies Based market of NASH in Germany, USD Million (2016-2028)
- Figure 43: Market Size of NASH in France, USD Millions (2016-2028)
- Figure 44: Therapies Based market of NASH in France, USD Million (2016-2028)
- Figure 45: Market Size of NASH in Italy, USD Millions (2016-2028)
- Figure 46: Therapies Based market of NASH in Italy, USD Million (2016-2028)
- Figure 47: Market Size of NASH in Spain, USD Millions (2016-2028)
- Figure 48: Therapies Based market of NASH in Spain, USD Million (2016-2028)
- Figure 49: Market Size of NASH in the United Kingdom, USD Millions (2016-2028)
- Figure 50: Therapies Based market of NASH in the United Kingdom, USD Million (2016-2028)
- Figure 51: Market Size of NASH in Japan, USD Millions (2016-2028)
- Figure 52: Therapies Based market of NASH in Japan, USD Million (2016-2028)
- Figure 53: Market Drivers
- Figure 54: Market Barriers



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