

**Name of Journal:** *World Journal of Hepatology*

**Manuscript No:** 55644

**Manuscript Type:** META-ANALYSIS

**11**  
**Racial disparities in nonalcoholic fatty liver disease clinical trial enrollment: a systematic review and meta-analysis**

Patel P *et al.* Racial disparities in NAFLD trials

Parita Patel, Charles Muller, Sonali Paul

## Match Overview

1	<b>Internet</b> 110 words crawled on 08-Dec-2018 <a href="http://www.eventscribe.com">www.eventscribe.com</a>	3%
2	<b>Crossref</b> 44 words Hannah P. Kim, Robert L. Bradford, Emily Pfaff, Alfred S. Barritt. "371 – Using a Machine Learning Program - the Cli ..."	1%
3	<b>Internet</b> 40 words crawled on 10-Mar-2020 <a href="http://worldwidescience.org">worldwidescience.org</a>	1%
4	<b>Crossref</b> 24 words Brandon J Perumpail, Muhammad Ali Khan, Eric R Yoo, George Cholankeril, Donghee Kim, Aijaz Ahmed. "Clinical ..."	1%
5	<b>Crossref</b> 24 words Winston Dunn. "The obesity epidemic and nonalcoholic fatty liver disease in children", <i>Current Gastroenterology Reports</i>	1%
6	<b>Internet</b> 23 words crawled on 17-May-2020 <a href="http://www.wjgnet.com">www.wjgnet.com</a>	1%
7	<b>Internet</b> 21 words crawled on 15-Jul-2020 <a href="http://www.endotext.org">www.endotext.org</a>	1%



ALL IMAGES VIDEOS

26,400 Results Any time

### Racial and Ethnic Disparities in Nonalcoholic Fatty Liver ...

<https://www.sciencedirect.com/science/article/pii/S1542356517311837>

Racial and Ethnic Disparities in Nonalcoholic Fatty Liver Disease Prevalence, Severity, and Outcomes in the United States: A Systematic Review and Meta-analysis Author links open overlay panel Nicole E. Rich \* Stefany Oji \* Arjmand R. Mufti \* Jeffrey D. Browning \* Neehar D. Parikh † Mobolaji Odewole \* Helen Mayo § Amit G. Singal \*

Cited by: 61 Author: Nicole E. Rich, Stefany Oji, Arjmand R. Mufti... Publish Year: 2017

### Racial Differences in Nonalcoholic Fatty Liver Disease in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3690150>

Nonalcoholic fatty liver disease (NAFLD) is characterized by excessive accumulation of triglycerides in the liver in the absence of excessive alcohol consumption. NAFLD comprises a spectrum of hepatic disorders, ranging from steatosis to steatohepatitis (NASH) and cirrhosis ( 1, 2 ).

Cited by: 83 Author: Andrea L. C. Schneider, Mariana Lazo, Eliza... Publish Year: 2014

### Systematic Review with Meta-Analysis: The Effects of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6927028>

Dec 11, 2019 · Systematic Review with Meta-Analysis: The Effects of Probiotics in Nonalcoholic Fatty Liver Disease Meng-Wei Xiao , 1 , 2 Shi-Xin Lin , 3 Zhao-Hua Shen , 1 , 2 Wei-Wei Luo , ...

Cited by: 1 Author: Meng-Wei Xiao, Shi-Xin Lin, Zhao-Hua Shen... Publish Year: 2019

### P1504 - Racial Disparities in Fatty Liver Disease Clinical ...

<https://www.eventscribe.com/2018/ACG/ajaxcalls/...>

Retrospective or observational studies, case reports or reviews, and studies with non-human subjects or non-English language were excluded. Hispanic trial participation was compared to the estimated NAFLD disease prevalence in Hispanics, estimated to be 23% based on a recent meta-analysis 1.

### Systematic Review with Meta-Analysis: The Effects of ...

<https://www.hindawi.com/journals/grp/2019/1484598>

Background and Aims. Probiotics was considered as a potential therapy for nonalcoholic fatty liver disease (NAFLD) without approval and comprehensive assessment in recent years, which call for a meta-analysis. Methods . We performed electronic and manual searches including English and Chinese databases published before April 2019, with the use of mesh term and free text of &#x201C;nonalcoholic ...

Cited by: 1 Author: Meng-Wei Xiao, Shi-Xin Lin, Zhao-Hua Shen... Publish Year: 2019

### Effects of probiotics on nonalcoholic fatty liver disease ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6764034>

Sep 25, 2019 · Effects of probiotics on nonalcoholic fatty liver disease: a systematic review and meta-analysis Yao Tang , Juan Huang , Wen yue Zhang , Si Qin , Yi xuan Yang , ...

Author: Yao Tang, Yao Tang, Juan Huang, Juan ... Publish Year: 2019

### Epidemiology of non-alcoholic fatty liver disease-related ...

<https://hrjournal.net/article/view/3431>

Non-alcoholic fatty liver disease (NAFLD) is now the most common cause of liver disease worldwide, and represents an increasingly important cause of hepatocellular carcinoma (HCC). As the prevalence of NAFLD has increased, the burden of NAFLD-related HCC has been rising in parallel.

### Non-alcoholic fatty liver disease: What the clinician ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4177476>

Sep 28, 2014 · Core tip: This is a review in non-alcoholic fatty liver disease (NAFLD) that puts the disease into context, highlights the recent advances in pathology, and gives special focus to the diagnosis and management of those patients. We present NAFLD patients in a holistic view, understanding that it may cases thinking outside the liver, namely in the cardiovascular and neoplastic risk, may have a ...

Cited by: 111 Author: Mariana Verdelho Machado, Helena Cortez... Publish Year: 2014

### Meta analysis: underutilization and disparities of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3777750>

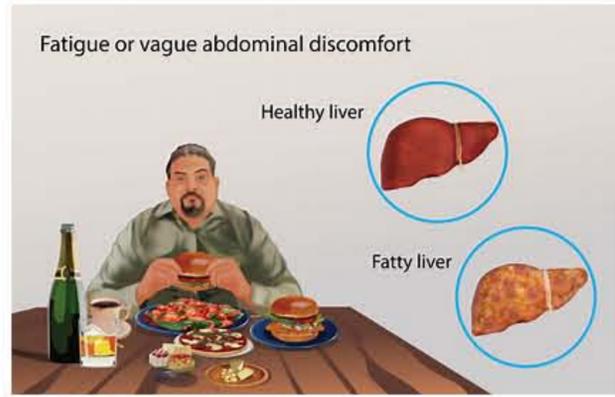
Racial and socioeconomic disparities have been well described in the survival of patients with HCC 4. Although prior studies have suggested difference in tumor biology and/or surveillance rates, our meta-analysis highlights the importance of socio-demographic disparities in treatment utilization.

Cited by: 63 Author: Debra Tan, Adam Yopp, Muhammad S Beg,... Publish Year: 2013

Some results are removed in response to a notice of local law requirement. For more information, please see [here](#).

## Fatty Liver

Medical Condition



Excessive build-up of fat in the liver.

- Very common (More than 3 million cases per year in US)
- No vaccine available
- Requires lab test or imaging
- Treatment from medical professional advised
- Can last several weeks or months

The causes are alcoholism, obesity, diabetes and infections. Symptoms are weakness, weightloss and abdominal discomfort. Treatment includes attending the underlying cause.

### Symptoms

Fatty liver could be symptomless for many years or decades. Notable symptoms include:

- Enlarged liver
- Pain in the area of liver
- Tiredness
- Loss of appetite
- Weight loss
- Weakness
- Nausea
- Trouble concentrating and making decisions
- Confusion
- Dark colored skin on the neck or under the arms
- In alcoholic liver disease, the symptoms worsen following a period of heavy drinking

### Treatments

There is no specific treatment for fatty liver. It is a reversible condition that can be managed by making some lifestyle modifications to treat the underlying cause. Medications to manage conditions such as increased blood sugar and cholesterol levels may be prescribed.

#### Self care

- If the cause is alcohol abuse, quit drinking.
- If the cause is a prolonged diet containing foods with a high proportion of calories coming from lipids, undergo a weight loss program.

### Causes

Fatty liver occurs when the body creates excessive fat or cannot quickly metabolize fat. Common causes of fatty liver include:

- Alcoholism
- Gender: Women are more prone to fatty liver than men, because of difference in working of liver
- Family history
- Pregnancy
- Obesity and overweight
- High blood cholesterol levels
- Diabetes
- Hepatitis C infection
- Increased amounts of iron in the body
- Certain medications such as aspirin, steroids, tetracycline
- Autoimmune disease
- Malnutrition
- Weight loss

### People also search for

Non-Alcoholic Fatty Liver Disease

Myocarditis

Alcoholic liver disease

Cirrhosis of the Liver

Steatosis

See more

Data from Focus Medica. Reviewed by a panel of doctors. [Learn more](#)

Consult a medical professional for advice

[Suggest an edit](#)

29,400 Results Any time

### Racial Differences in Nonalcoholic Fatty Liver Disease in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3690150>

To characterize the prevalence of **Non-Alcoholic Fatty Liver Disease (NAFLD)** by race in a nationally representative sample of the U.S. population and to investigate potential explanatory factors for **racial disparities**. Cross-sectional study of 4,037 non-Hispanic ...

Cited by: 89 Author: Andrea L. C. Schneider, Mariana Lazo, Eliza...  
Publish Year: 2014

### Racial and Ethnic Disparities in Nonalcoholic Fatty Liver ...

<https://www.sciencedirect.com/science/article/pii/S1542356517311837>

Feb 01, 2018 · In a systematic review and meta-analysis, we found significant **racial** and **ethnic disparities** in **NAFLD prevalence** and severity in the United States, with the highest burden in Hispanics and lowest burden in Blacks. However, data are discordant on **racial** or ethnic differences in outcomes of patients with **NAFLD**.

Cited by: 73 Author: Nicole E. Rich, Stefany Oji, Arjmand R. Muft...  
Publish Year: 2017

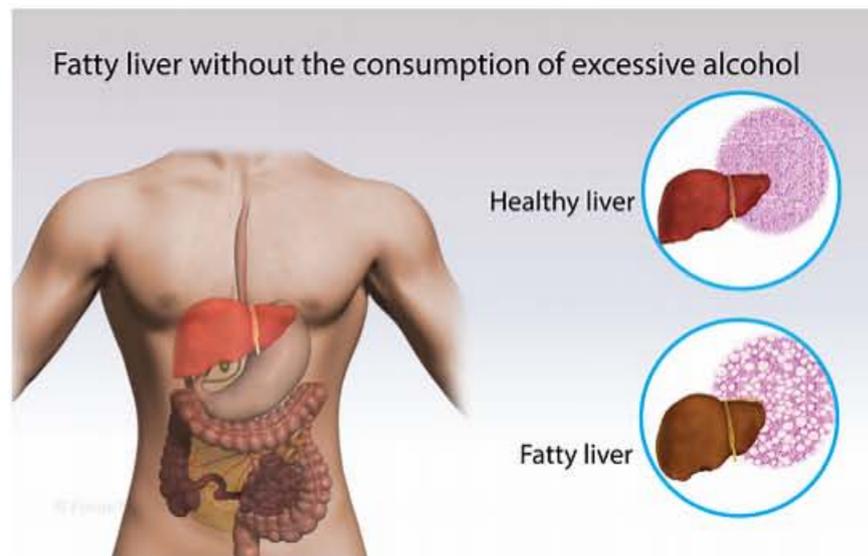
### Racial differences in nonalcoholic fatty liver disease in ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/oby.20426>

**Nonalcoholic fatty liver disease (NAFLD)** is characterized by excessive accumulation of triglycerides in the **liver** in the absence of excessive alcohol consumption. NAFLD comprises a spectrum of hepatic

## Non-Alcoholic Fatty Liver Disease

Medical Condition



A condition in which fat accumulates in the liver in people who drink little or no alcohol.

Very common (More than 3 million cases per year in US)

Requires lab test or imaging



ALL IMAGES VIDEOS

29,600 Results Any time ▾

### [Racial and Ethnic Disparities in Nonalcoholic Fatty Liver ...](#)

<https://www.sciencedirect.com/science/article/pii/S1542356517311837>

Feb 01, 2018 · In a systematic review and meta-analysis, we found significant **racial** and **ethnic disparities in NAFLD prevalence** and severity in the United States, with the highest burden in Hispanics and lowest burden in Blacks. However, data are discordant on **racial** or ethnic differences in outcomes of patients with **NAFLD**.

**Cited by:** 76 **Author:** Nicole E. Rich, Stefany Oji, Arjmand R. M...

**Publish Year:** 2017

### [Racial Differences in Nonalcoholic Fatty Liver Disease in ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3690150>

To characterize the prevalence of **Non-Alcoholic Fatty Liver Disease (NAFLD)** by race in a nationally representative sample of the U.S. population and to investigate potential explanatory factors for **racial disparities**. Cross-sectional study of 4,037 non-Hispanic ...

**Cited by:** 89 **Author:** Andrea L. C. Schneider, Mariana Lazo, El...

**Publish Year:** 2014

### [Health Disparities in Liver Disease](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2705477>

Indeed, a recent **review** article in this journal by Nguyen and Thuluvath provides a comprehensive overview of **racial** and ethnic **disparities in liver disease**. **Disparities** due to socioeconomic status – regardless of race and ethnicity – have also been demonstrated for important hepatic risk factors such as injection drug use ( 30 ), obesity and ...

**Cited by:** 18 **Author:** Jennifer Guy, Hal F. Yee

**Publish Year:** 2009

### [Nonalcoholic fatty liver disease: a systematic review ...](#)

<https://www.semanticscholar.org/paper/Nonalcoholic...>

**IMPORTANCE Nonalcoholic fatty liver disease** and its subtype **nonalcoholic** steatohepatitis affect approximately 30% and 5%, respectively, of the US population. In patients with **nonalcoholic** steatohepatitis, half of deaths are due to cardiovascular **disease** and malignancy, yet awareness of this

### Search Tools

Turn off Hover Translation (关闭取词)