

8

Name of journal: World Journal of Hepatology

ESPS Manuscript NO: 17696

Columns: Original Article

*Observational Study*

1

**Impact of Geography on organ allocation: Beyond the distance to the transplantation center**

Rony Ghaoui, Jane Garb, Fredric Gordon, Elizabeth Pomfret

**Abstract**

AIM: To illustrate the application and utility of Geographic Information System (GIS) in exploring patterns of liver transplantation. Specifically, we aim to describe the geographic distribution of transplant registrations and identify **disparities in access to liver transplantation across UNOS region 1**.

**METHODS:** Based on UNOS data, the number of listed transplant candidates by ZIP code from 2003 to 2012 for Region 1 was obtained. Choropleth (color-coded) maps were used to visualize the geographic distribution of transplant registrations across the region. Spatial interaction analysis was used to analyze the geographic pattern of total transplant registrations by ZIP code. Factors tested included ZIP code log population and log distance from each ZIP code to the nearest transplant center; ZIP code population density; distance from the nearest city over 50,000; and dummy variables for

**Match Overview**

1

**CrossCheck** 128 words  
"AASLD Abstracts", Hepatology, 2013.

4%

2

**Internet** 29 words  
crawled on 29-Oct-2013  
[www.rwjf.org](http://www.rwjf.org)

1%

3

**Internet** 23 words  
crawled on 25-Mar-2015  
[www.unos.org](http://www.unos.org)

1%

4

**CrossCheck** 19 words  
Parikh, Neehar D, David Hutton, Wesley Marrero, Kunal Sanghai, Yongcai Xu, and Mariel Lavieri. "Projections in Don

1%

5

**Internet** 16 words  
crawled on 02-Jun-2015  
[onlinelibrary.wiley.com](http://onlinelibrary.wiley.com)

&lt;1%

6

**CrossCheck** 10 words  
Nyingi Kemmer. "Liver Transplantation in the Ethnic Minority Population: Challenges and Prospects", Digestive Diseases

&lt;1%





The impact of Geography on organ allocation: Beyond the distance to th



网页

新闻

图片

视频

地图

更多

搜索工具

找到约 4,790,000 条结果 (用时 0.87 秒)

## Google 学术: The impact of Geography on organ allocation: Beyond the distance to the transplantation center

... interplay of socioeconomic status, distance to center, ... - Axelrod - 被引用次数: 49

... inequity in access to livers for transplantation - Yeh - 被引用次数: 50

Development of the new lung allocation system in the ... - Egan - 被引用次数: 279

## The Interplay of Socioeconomic Status, Distance to Center ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) > 翻译此页

作者: DA Axelrod - 2010 - 被引用次数: 47 - 相关文章

Patients living farther from the transplant center had reduced access to deceased ...  
revisions to the current geographic boundaries of organ allocation. ... longer distance to  
center, which may reflect effect of other factors beyond access to care ...

## Consumerist Responses to Scarcity of Organs for Transplant

journalsofethics.ama-assn.org/2013/11/pfor2-1311.html > 翻译此页

Because organ allocation systems operate primarily on a "local-first" basis, the impact of  
the organ shortage is far from uniform. ... If the organ is not accepted by a transplant  
center in the DSA, it is offered more broadly to centers ... reduction in waitlist mortality  
and reduced cost at the time of transplantation and beyond [3].

## Staff Working and Discussion Paper: The Ethics of Organ ...

https://bioethicsarchive.georgetown.edu/pcbe/.../davispaper.htm... > 翻译此页

C. Transplant Center Discretion and the Potential for Manipulation ... A. The Moral  
Relevance and Weight of Geography in Organ Allocation ... Does-or should-death mark a  
moral boundary, beyond which one no longer has interests, ... medicine and the point  
that particular allocation decisions have ripple effects throughout ...

## [PDF] The concept document - Organ Procurement and ...

optn.transplant.hrsa.gov/.../Liver\_Concepts\_2014.pdf > 翻译此页

2014年6月16日 - hospital where the organ is recovered and the transplant hospital where  
the ... to facilitate organ allocation and to provide individuals with the ... to develop policy  
to minimize the effects of geography on access to transplantation for listed ... for end-



[网页](#)[新闻](#)[图片](#)[视频](#)[地图](#)[更多 ▾](#)[搜索工具](#)

找到约 6,610,000 条结果 (用时 0.49 秒)

## Google 学术: Impact of Geography on organ allocation: Beyond the distance to the transplantation center

... interplay of socioeconomic status, distance to center, ... - Axelrod - 被引用次数: 50

... inequity in access to livers for transplantation - Yeh - 被引用次数: 52

Development of the new lung allocation system in the ... - Egan - 被引用次数: 286

### The Interplay of Socioeconomic Status, Distance to Center ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ [翻译此页](#)

作者: DA Axelrod - 2010 - 被引用次数: 50 - [相关文章](#)

Background and objectives: Variation in kidney transplant access across the ... to transplant centers in the local geographic area of recovery (donation service ..., distance to center, which may reflect effect of other factors beyond access to ...

### [PDF] The concept document - Organ Procurement and ...

[optn.transplant.hrsa.gov/.../Liver\\_Concepts\\_2014.pdf](http://optn.transplant.hrsa.gov/.../Liver_Concepts_2014.pdf) ▾ [翻译此页](#)

2014年6月16日 - hospital where the organ is recovered and the transplant hospital where the ... to facilitate organ allocation and to provide individuals with the ... to develop policy to minimize the effects of geography on access to transplantation for listed ..... for end-stage liver disease era: Looking beyond the transplant.

[网页](#)[新闻](#)[图片](#)[视频](#)[地图](#)[更多 ▾](#)[搜索工具](#)

找到约 6,520,000 条结果 (用时 0.77 秒)

## Google 学术: Impact of Geography on organ allocation: Beyond the distance to the transplantation center

... interplay of socioeconomic status, distance to center, ... - Axelrod - 被引用次数: 49

... inequity in access to livers for transplantation - Yeh - 被引用次数: 55

Development of the new lung allocation system in the ... - Egan - 被引用次数: 284

### The Interplay of Socioeconomic Status, Distance to Center ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ 翻译此页

作者: DA Axelrod - 2010 - 被引用次数: 50 - 相关文章

Background and objectives: Variation in kidney transplant access across the ... to transplant centers in the local geographic area of recovery (donation service ..... distance to center, which may reflect effect of other factors beyond access to ...

### [PDF] The concept document - Organ Procurement and ...

[optn.transplant.hrsa.gov/.../Liver\\_Concepts\\_2014.pdf](http://optn.transplant.hrsa.gov/.../Liver_Concepts_2014.pdf) ▾ 翻译此页

2014年6月16日 - hospital where the organ is recovered and the transplant hospital where the ... to facilitate organ allocation and to provide individuals with the ... to develop policy to minimize the effects of geography on access to transplantation for listed ..... for end-stage liver disease era: Looking beyond the transplant.