



gideon 

Global **I**nfectious **D**isease and **E**pidemiology **N**etwork

全球传染病与流行病网络资源

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EBSCO Information Service



EBSCO Health

关于 gideon

- 1992年由Dr. Uri Blackman 与 Dr. Stephen Berger共同创立 GIDEON Informatics, Inc，总部位于Los Angeles, CA USA
- 成立初期目标为收集全球公共卫生与传染病资源
- 使用人员遍及医学院师生、医院从业人员与军事机构
- 为当今最为完整之全球传染病与流行病在线数据库
- 成立初期仅43国使用，单位使用目前用户遍及全球

ABOUT STEPHEN BERGER MD, FOUNDER & MEDICAL ADVISOR



- Stephen A. Berger医生，曾在于特拉维夫医学中心担任过地理医学和临床微生物学的主管。他还被授与特拉维夫大学医学院荣誉退休医学副教授。
- 他纽约医学院取得他的医学博士学位，随即在纽约医学院附属医院接受内科住院医师培训后，加入美国海军第六舰队和圣奥尔本斯海军医院担任医务官。
- 随后，他在纽约的蒙特菲奥雷醫療中心（是紐約市布朗克斯區艾伯特·愛因斯坦醫學院的首要學術醫療中心和主要教學醫院）、波士顿的塔夫茨-新英格兰医学中心和纽约V-A医院取得传染病研究金资格；蒙特菲奥雷医院临床微生物学；和作为比利时布鲁塞尔W.H.O.操作实作的培训生。
- 他是同时具备由**美国内科医师学会的会员传染病和临床微生物学**的双重资格认证，并且同时获得**美国热带医学与卫生学会临床热带医学**知识证书认证的医师。

[FROM THE DESERT TO THE LAB: DR. BERGER](https://www.gideononline.com/2020/10/17/from-the-desert-to-the-lab-dr-berger/)

<https://www.gideononline.com/2020/10/17/from-the-desert-to-the-lab-dr-berger/>

URI BLACKMAN, FOUNDER & CEO



- Dr. Uri Blackman是GIDEON Informatics的创始人兼首席执行官，GIDEON Informatics是他在本科期间与Berger博士共同创立的在线医疗出版公司。旗舰产品GIDEON已在超过45个国家/地区的数百家机构中部署。
- Uri曾任UberMedia应用程序高级副总裁，在那他领导了移动应用程序部门增长，并使年收入增长两倍。在此之前，Uri曾是Download Accelerator的创建者Speedbit公司发展副总裁。在此期间，他成功完成并购过程，同时开发和管理了战略和收入关系。
- 乌里（Uri）成立了一家风险投资支持的在线房主保险公司。他还是两代Netscape浏览器的产品经理，后来负责管理Netscape网站上的计算和下载渠道以及AOL的业务发展。
- 乌里（Uri）是Tech Coast Angels的成员，天使投资了世界各地的许多科技公司。他曾是以色列国防军8200部队的指挥官，并获得了特拉维夫大学的计算机科学和哲学学士学位以及斯坦福大学商学院的MBA学位

GIDEON 主体内容

传染病与流行病

- 收录超過 235 個國家
- 超過 361 種傳染病 (包括疾病類別)
- 识别超過2000多种病原体
- 超過 400 種抗感染藥物和疫苗

微生物内容

- 過 1700 個微生物類群 - 細菌、桿菌和酵母菌

其他特色

- 图像，图表，交互式地图，链接的参考书，电子书
- 基于EBM询证基础-有参考文献支持 (可能的话还有&链接)
- Web响应式设计介面
- 每日更新-包括1920或更早版本的历史信息

**GIDEON收录感染科
医师常用ProMED信
息外，提供更全面、
更有EBM询证基础资
源之传染病决策支援
与微生物研究的平台。**

GIDEON 主体内容



点击Setting选项，选取Updates，即可看到每天最新数字。

GIDEON如何收集 & 参考文献来源

RESOURCES

LATEST OUTBREAKS ▶



GIDEON is updated on a continual basis using all relevant citations appearing in PubMed searches, periodic publications of the World Health Organization, abstracts of major international meetings, user feedback and latest additions from the following resources:

Health Department Reports
Technical Reports of the World Health Organization (WHO)
Texts and Monographs
Journals and Periodicals

HEALTH DEPARTMENT REPORTS

Bericht Uber das Gesundheitswesen in Osterreich [Austria]
Boletin Epidemiologico de Chile
Boletin Epidemiologico Nacional [Argentina]
Boletin Epidemiologico y Microbiologico [Spain]
Boletin Informativo [Bolivia]
Bulletin Epidemiologique Hebdomadaire [France]
Bulletin, Bundesamt fur Gesundheitswesen [Switzerland]
Bulletin Infectieziekten [Netherlands]
Canada Communicable Disease Report [Canada]
Carec Surveillance Report [Caribbean region]
CDR Weekly [United Kingdom]
Choroby Zakazne I Zatrucia W Polsce [Poland]
Communicable Diseases Intelligence [Australia]
Community Health & Disease Surveillance News Letter [Oman]
Comportamiento de Patologias Immunoprevenibles [Argentina]
Daten des Gesundheitswesens [Germany]
EpidAktuellt [Sweden]
Epidemiological Comments [South Africa]
Epidemiology Bulletin [Taiwan]
EPI-NYT [Denmark]
Heilbrigdissskyrslur [Iceland]
IASR [Japan]
Health Statistics Ireland [Ireland]
Monthly Epidemiological Bulletin [Israel]
Morbidity and Mortality Weekly Report [USA]
MSIS-rapport [Norway]
Notiziario dell'Instituto Superiore de Sanita [Italy]

JOURNALS AND PERIODICALS

AIDS
American Journal of Clinical Pathology
American Journal of Diseases of Children
American Journal of Epidemiology
American Journal of Medicine
American Journal of Public Health
American Journal of Tropical Medicine and Hygiene
Annals of Internal Medicine
Antimicrobial Agents and Chemotherapy
Applied Microbiology
Archives of Internal Medicine
British Medical Journal
Bulletin of the Pan American Health Organization
Bulletin of the World Health Organization
Clinical Infectious Diseases
Clinical Microbiology Reviews
European Journal of Microbiology and Infectious Diseases
Harefuah
Infectious Disease Clinics
Infectious Disease Clinics of North America
International Journal of Systematic Bacteriology
Israel Journal of Medical Sciences
JAMA
Journal of Antimicrobial Chemotherapy
Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology
Journal of Clinical Microbiology
Journal of Clinical Pathology
Journal of Hospital Infection
Journal of Internal Medicine
Journal of Infectious Diseases
Journal of Pediatrics
Journal of Travel Medicine
Lancet
Medical Journal of Australia
Medicine
New England Journal of Medicine
Pediatric Clinics of North America
The Pediatric Infectious Disease Journal
Pediatrics
Reviews of Infectious Diseases

<https://www.gideononline.com/features/resources/>

GIDEON 医学顾问群

- Dr. Michele Barry, Medicine at Stanford
- Dr. John Bartlett, Johns Hopkins
- Dr. Stephen Berger, Tel Aviv Medical Center
- Dr. Jay Keystone, University of Toronto
- Dr. Gerald Mandell, University of Virginia
- Dr. Ethan Rubinstein, University of Manitoba
- Dr. Dan Shapiro, Lahey Clinic
- Dr. Alan Tice, University of Hawaii

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- IG Publishing 医疗和健康护理电...
- 新时代中国特色社会主义思想知...
- APAP 数据库 试用
- Qinsight 试用
- “可知”中文图书荐购平台 试用
- DynaMed and Micromedex
- Sanford Guide (热病) 试用
- 环球生物医学数据库 试用
- 爱教材 (Itext) 电子书 试用

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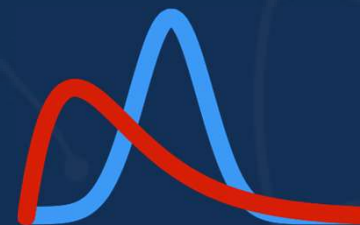
Demo

临床情境

- 今天九院醫院有位35歲男病患來掛急診，從病人病徵上發現他有：發燒(Fever)、頭痛 (Headache)、肌痛 (Myalgia)、关节痛 (Arthralgia)、喉咙痛 (Sore throat)、腹部疼痛(Abdominal Pain)、呕吐(Vomiting)、结膜炎(Conjunctivitis)、肝功能異常 (hepatic dysfunction)、斑丘疹 (maculopapular rash)，然後還有流鼻血 (nosebleeds)、吐血(vomiting of blood)、便血等出血症狀。
- 問了一下，原來他今年3/15-3/22間曾去過中非洲剛果回來，3/24回國後開始感到不舒服。

GIDEON如何提供诊断的發生概率百分比？

运用医学界常用的贝叶斯统计(Bayesian)方法来计算其概率



$$P(A | B) = \frac{P(B | A)P(A)}{P(B)}$$

当医生输入患者症状列表和走访国家/地区时，
GIDEON执行以下操作：

1. 访问有关国家的疾病清单
2. 按相对发病率对疾病进行排名
3. 删除与指定症状不符的疾病
4. 将每种疾病的可能性乘以症状的可能性
5. 按“4”中的相对产品大小对疾病进行重新排序

$$P [S / D1] \times PD1$$

$$P-D1 [给定的S] = \frac{P [S / D1] \times PD1}{P [S / D1] \times PD1 + P [S / D2] \times PD2 \dots + P [S / Dn] \times PDn}$$

$$P [S / D1] \times PD1 + P [S / D2] \times PD2 \dots + P [S / Dn] \times PDn$$

-其中P =概率 S =症状复数 D1 =疾病1 D2 =疾病2 [等]

在微生物模块中，PD =有机体概率，S =表型复合体

两个基本的电子表格将数据输入该公式：

- 1) 疾病发病率与国家名称
- 2) 症状的可能性与疾病名称的关系

贝叶斯矩阵统计矩阵(Bayesian)方法公式

GIDEON提供發生概率百分比准确率是否已过测试？

GIDEON并未自行提出这样准确率的宣称，但透过下列来自Pudmed研究文献的佐证，可以看到更公正客观来自医界的调研。

2005(日本) <https://pubmed.ncbi.nlm.nih.gov/17292033/>

1998(美国) <https://pubmed.ncbi.nlm.nih.gov/9524864/>

1999(加拿大) <https://pubmed.ncbi.nlm.nih.gov/10381973/>

2006(美国) <https://pubmed.ncbi.nlm.nih.gov/16323112/>

2008(比利时) <https://pubmed.ncbi.nlm.nih.gov/18310530/>

2001(以色列) <https://pubmed.ncbi.nlm.nih.gov/11485667/>

谁在使用GIDEON?

- 用於準確診斷和決策支持的感控医生
- 微生物學家
- 公卫、生物學、微生物学教师
- 政府研究部門和政策制定者
- 旅游局和生物反恐主義部門

Our mission is to provide evidence-based resources that inform the global Infectious Disease and Epidemiology community.

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- [Forsvarsmedicincentrum](#)
- [Global Disease Detection \(GDD\) Operations Center](#)
- [JPEO-CBRND](#)
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HOSPITALS

- [VA New England Healthcare System \(VISN 1\)](#)
- [Queen Elizabeth Hospital](#)
- [Hospital Donostia](#)
- [Children's Hospital, Oakland](#)
- [Freeman Hospital](#)
- [James A. Haley Veterans' Hospital](#)
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OTHER

- [American Red Cross](#)
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- [EcoHealth Alliance](#)
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世界各国使用者心得 & 感言

TESTIMONIALS

"The web platform is a valuable tool to quickly gather high-quality information on diseases and the epidemiological situation of a disease in a country of interest."

Katrin Zitzelsberger, Epidemiologist, Munich Re

"Thanks for your prompt replies and incredibly kind help in the development of Mississippi's public health surveillance project. We are up and running. It's very exciting. The toll free number is: 1-888-819-SWAB (give it a try). All 90 state shelters will be networked, in addition to other community clinics and some hospitals. This means that we expect to have our finger on the pulse of any potential contagious illness emerging in the evacuee population. On day 1 of implementation, we received a call reporting a case of possible chickenpox. We helped arrange a formal evaluation, and two more cases were diagnosed on the subsequent day. Existence of the hotline meant that we (the Mississippi Dept of Health and the American Red Cross) were on top of the situation from the moment it began. With your help, the GIDEON clinical summaries are being by hotline managers to help recognize disease syndromes."

Dr. Jonathan Spector, Harvard School of Public Health

"It's irreplaceable. I haven't seen anything else that compares to GIDEON."

Dr. Jeffrey P. Gumprecht, MD, Associate Clinical Professor, Mount Sinai Medical Center

"I logged on to the GideonOnline site...way beyond fantastic. I just became chair of the Pathophysiology Dept. at VCOM and this site will change the way we teach our course and will change the way the students will study and learn. I love the site...totally user friendly, comprehensive and so international."

James R. Palmieri, PhD, Virginia College of Osteopathic Medicine

"As we work in 61 countries, the extensive Epidemiology section has been most helpful to those of us who deal with diverse and sometimes obscure medical problems. At Direct Relief International, we have been searching for a vehicle that will aid health care workers around the world with diagnosis and treatment, and GIDEON has been most helpful."

William Morton-Smith, MD, Chief Medical Officer, Direct Relief International

"GIDEON is a very useful source, especially in generating differential diagnoses on difficult to identify infectious disease patients with travel history. I use it also to clarify unusual disease patterns and understand disease presentations. GIDEON is a great and handy resource on the web."

D. Scott Smith, MD, MSc., DTM&H, Chief of Infectious Disease & Geographic Medicine, Kaiser Redwood City, CA and Adj Asst. Professor, Stanford University Medical School


"We often seem to get the difficult patients, including people and children who have never had any vaccines and still want to go to infectious Third World countries. It is so helpful to give them figures of vaccine preventable diseases the last year on record as well as the other situations, such as leishmaniasis, etc. The graph is good in that it is easy to see at a glance if figures are declining or growing and we always let a patient see at last one graph appropriate for their situation. But the exact figures really hit home with them."

GIDEON is so helpful and if I only had the money to buy one travel health program, I would throw out the others and keep yours."



As I am preparing and researching a country's infectious disease situation for a client, sometimes I am on GIDEON for a while, going through each disease one by

<https://www.gideononline.com/about/testimonials/>

学校案例分享

gideon 
for microbiology teachers

TEACHING ONLINE MADE EASY



"If you don't know about GIDEON you should definitely look into it."

Dr. Johnny El-Rady, Instructor (Microbiology and Genetics)
at the University of South Florida

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Evidence • Updated 22 Mar 2021
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