

EPIDEMIOLOGI LANJUTAN

FRANS YOSEP SITEPU



Penerapan Konsep Dasar & Pendekatan Epidemiologi

COVID-19 Pandemic

New Study Suggests COVID-19 Outbreak Began in Wuhan Earlier Than Reported

By VOA News June 09, 2020 09:00 AM



Infection Rates Soar in College Towns as Students Return

WHO: Globally, One in Seven COVID-19 Infections Among Health Care Workers

Britain Begins Strict Regional COVID-19 Lockdown

'COVID first': Thai PM Warns Protesters Against Raising Virus Risks

Ell F - A modical unrivertaives a cush cample from a recident to be tested for the COVID-10 comparing in Wilham



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NEWS > NATIONAL

Indonesia's latest official COVID-19 figures

News Desk

The Jakarta Post

Jakarta / Thu, September 17, 2020 / 04:30 pm





TRENDING PERISTIWA CEK FAKTA POLITIK JAKARTA UANG DUNIA KHAS TRAVEL VIDEO (

HOT TOPICS # Artis Melahirkan # Rumah Selebriti Indonesia # Dewan Peng

Merdeka > Dunia

Saat Negara Lain Hadapi Gelombang Kedua Epidemi Covid-19, Wuhan Buka Semua Sekolah

Selasa, 1 September 2020 18:47

Reporter : Iqbal Fadil









INTERNATIONAL JOURNAL OF CURRENT RESEARCH

International Journal of Current Research Vol.10, pp.074-083, Novembor

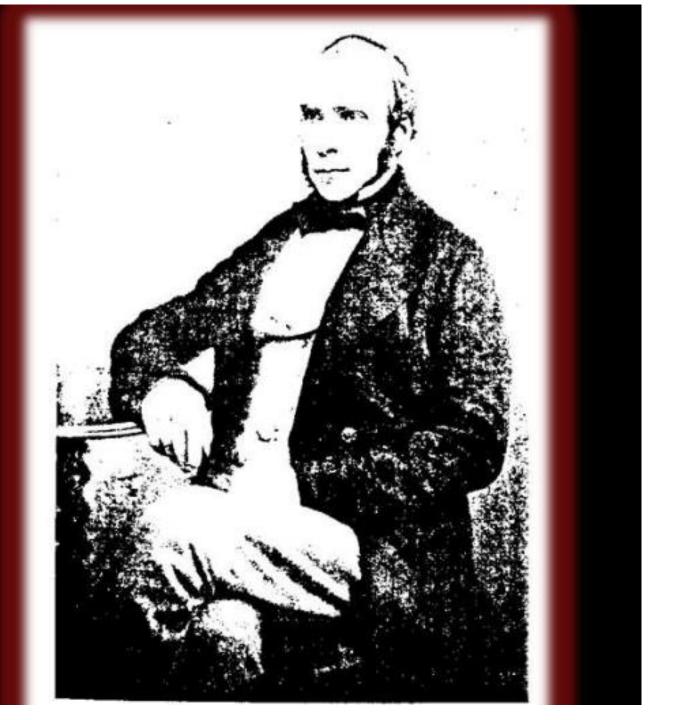
Artikel Penelitian

Prevalensi dan Determinan Sindrom Metabolik pada Kelompok Eksekutif di Jakarta dan Sekitarnya

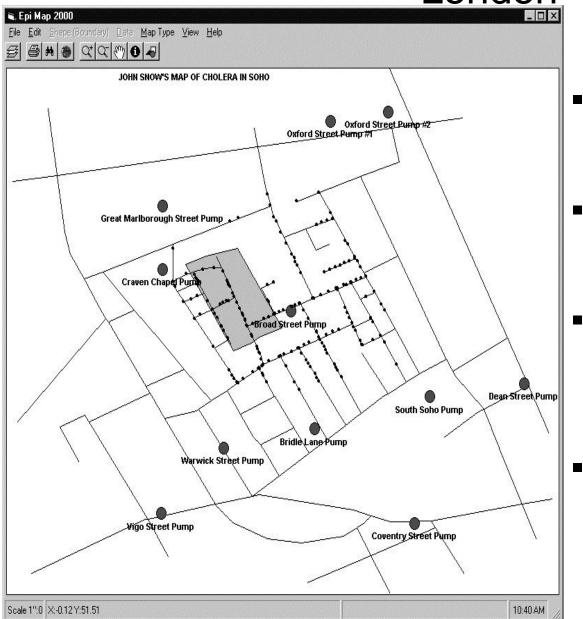
Prevalency and Determinant Metabolic Syndrome on Executive Group in

Sudijanto Kamso* Purwantyastuti** Dharmayati Utoyo Lubis*** Ratna Juwita* Yull Kurnia Robbi** Besral*

*Kantor Kesehatan Pelabuhan Tarakan Kalimantan Utara, **Departe Perilaku Fakultas Kesehatan Masyarakat Universitas Indonesia



Pompa Air Broad Street – Cholera London



- Kematian cholera digambarkan sebagai titik-titik hitam.
- Lingkaran-lingkaran hitam adalah pompa air.
- Pompa air Broad Street di bagian tengah peta diduga menjadi sumber kontaminasi.
- Kotak abu-abu adalah makam penderita sampar.

Snow's finding:

TABLE 1-2 ☐ Deaths from Cholera per

Water Supply	No. af H	
Southwark and Vauxhall Co.	40,0	
Lambeth Co.	26,1	
Other districts in London	256,4	

Data adapted from Snow J: On the mode of comm New York, The Commonwealth Fund, 1936.



pply, London, 1854

Deaths per 10,000 Houses

315 38

56

rint of Two Papers by John Snow, M.D.

Epidemiologi

Epidemiology is the study of how **disease** is **distributed** in the populations and the factors what **influence** or **determine** this distribution.

Epidemiology is the study of the **distribution** and **determinants** of the **health** related states or **events** in specified populations and the application of this study to **control of health problems**.

(A Dictionary of Epidemiology, ed2. New York, Oxford University Press, 1988)

WHO

The study of the distribution and determinants of health and disease in human populations to enable health services to be planned rationally, disease surveillance to be carried out, and preventive and control programs to be implemented and evaluated.

Variabel Epidemiologi

- Orang (person)
- Tempat (place)
- Waktu (time)

Table 1 Number of cases and deaths, attack rates, and case fatality rates of chikungunya outbreak in Sukadana Subdistrict, North Kayong District, West Kalimantan, Indonesia, 12 December 2009–10 January 2010 (n = 65).

Variable	Population at risk (n = 375)	Number of case (n = 65)	Number of death	Attack rate (%)	Case fatality rate (%)		
Age group (year)							
0-4	56	3	0	5.4	0		
5–14	80	11	0	13.8	0		
15-24	61	11	0	18.0	0		
25-34	45	4	0	8.9	0		
35-44	40	15	0	37.5	0		
45-54	38	14	0	36.8	0		
55-64	35	5	0	14.3	0		
> 65	20	2	0	10.0	0		
Gender							
Male	180	35	0	19.4	0		
Female	195	30	0	15.4	0		

Localized spatial clustering of HIV infections in a widely disseminated rural South African epidemic

Frank Tanser,1* Till Bärnighausen,1,2 Graham S Cooke1,3 and Marie-Louise Newell1,4

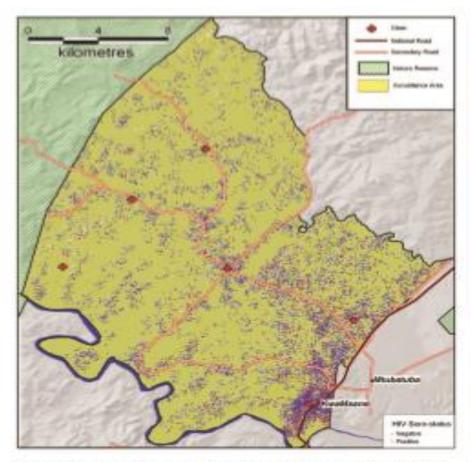


Figure 2 Map of the study area showing the approximate location (incorporating an intentional random error) of all 12 221 participants coded by HIV status

non-resident household members ('migrants') and levels of employment.

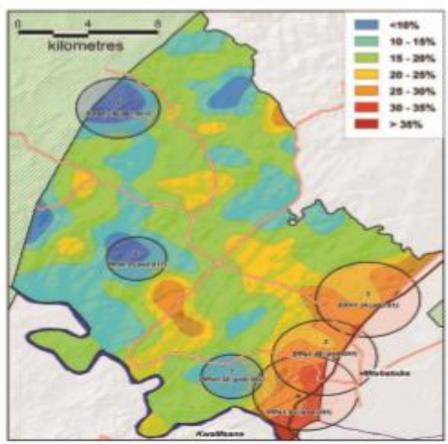
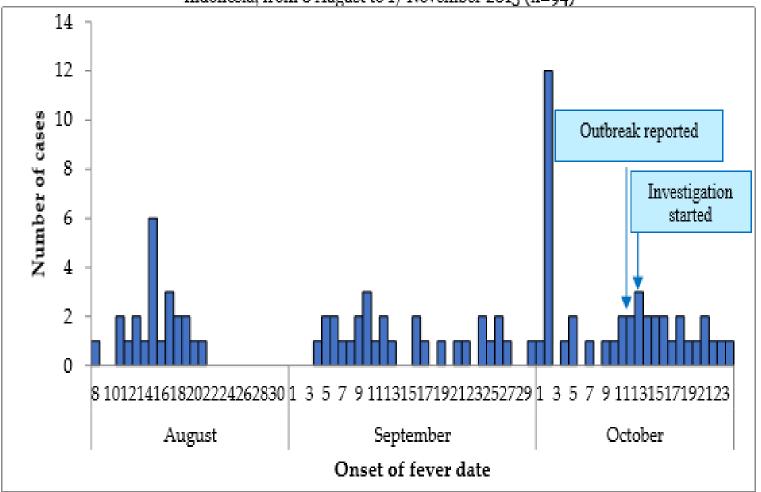


Figure 3 Geographical variations in HIV prevalence by 5% intervals across the surveillance area (for all women aged 15-49 years and men 15-54 years) obtained by a 3-km standard Gaussian kernel (mean=21.7%, 95% CI 20.1-22.5). Superimposed on the map are the clusters independently identified by the Kulldorff spatial scan statistic (blue shading, low relative-risk; red, high relative-risk). The National Road can be seen next to KwaMsane Township continuing along the eastern boundary of the



Figure 1. Chikungunya fever cases by date of onset in Sei Suka Subdistrict, Serdang Bedagai District, North Sumatera, Indonesia, from 8 August to 17 November 2013 (n=94)



Scientific Foundation SPIROSKI, Skopje, Republic of Macedonia

Open Access Macedonian Journal of Medical Sciences. 2020 Jun 20; 8(T1):55-60.

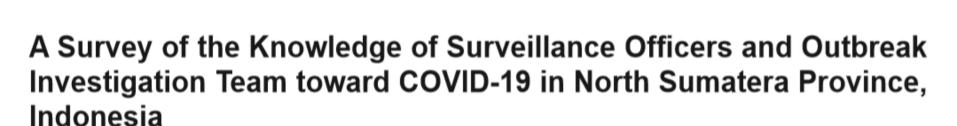
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Section: Public Health Epidemiology





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The NEW ENGLAND JOURNAL of MEDICINE

Perspective

Developing Covid-19 Vaccines at Pandemic Speed

Nicole Lurie, M.D., M.S.P.H., Melanie Saville, M.D., Richard Hatchett, M.D., and Jane Halton, A.O., P.S.M.

he need to rapidly develop a vaccine against SARS-CoV-2 comes at a time of explosion in basic scientific understanding, including in areas such as genomics and structural biology, that

The company continued development even when the outbreak ended, and stockpiles of investigational product were available for use in the recent outbreaks in the Democratic Republic of Con-

Terima Kasih