

ATLAS OF DISEASES - Plate 1

Distribution of Poliomye-
litis. 1900 - 1950



WORLD DISTRIBUTION OF POLIOMYELITIS

1900 - 1950

Discussion of the Sources

THIS MAP is based on a number of sources that differ in reliability and precision. We distinguish: facts and figures issued by international or national agencies; facts and/or figures originating in the books, published papers, and recorded statements of individual authors.

International and national agencies publish figures which we have accepted as the most reliable available at the present time. They are seldom, if ever, qualified by explanatory statements. They do not, and cannot, pretend to represent the whole truth as it exists in nature, but are limited to facts as they have been reported. The reader must use his own judgment as to their reliability, bearing in mind the medical facilities for survey, diagnosis, and notification that may be presumed to exist in various countries.

Individual authors publish both figures and qualifying statements, or sometimes statements without figures. In the first case the facts reported usually apply to a limited area and enough information is given to help interpret the figures accurately. In the second case the statements may be accepted as they stand if their author is well known and accredited.

Example: "Infantile paralysis exists in endemic form in all of the 21 states of Brazil." Or, "Minor epidemics were reported in Piahy in 1943." (Dr. O. P. Campos, Official Delegate from Brazil at the First International Poliomyelitis Conference.) No figures are given. We assume that the author of the statement has taken into consideration the demography of the region before using the word "epidemic."

No information has been available from Russia since 1927; no answer to our questionnaire has been received.

With these qualifications in mind the reader may use the map and refer to the sources listed below for an explanation of any statement made on the map.

The principal populated areas of the world have been shown by a generalized outline.

Abbreviations

DH	Department of Health
DHW	Department of Health and Welfare
DMS	Director of Medical Services
DPH	Department of Public Health
MH	Ministry of Health
MSP	Ministerio de Salud Pública y Asistencia Social
Q	Questionnaire sent by the American Geographical Society
AER	<i>Annual Epidemiological Report</i> , League of Nations Health Organization for the Year 1932, 1936, 1938.
EVSR	<i>Epidemiological and Vital Statistics Report</i> , United Nations.
ICTMM	<i>Proceedings of the Fourth International Congresses on Tropical Medicine and Malaria</i> , (1948), Dept. of State, Wash., D. C., 1.
MER	<i>Monthly Epidemiological Report and Weekly Epidemiological Record</i> , United Nations and League of Nations.
PASB	Pan American Sanitary Bureau, <i>Monthly Epidemiological Reports</i> .
PB	<i>International Poliomyelitis Congress, Poliomyelitis, Papers and Discussions</i> , (1949), J. B. Lippincott Co., Phila.
PHR	United States Health Service, <i>Public Health Reports</i> .

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Sources by Countries

ADEN

AER

ALASKA

Q Alaska DH, Juneau

AER

Hayes, M., PSC, 470

Paul, J. R. (1949), *Preliminary Report of Expedition to Point Barrow, Alaska*, (unpublished)

ALGERIA

EVSR

ANGOLA

Q Direcção dos Serviços de Saúde e Higiene, Luanda

EVSR

ARGENTINA

EVSR

PASB

TB MED 235, 32

Bol. Ofic. san. panam., (1943), 22, 770

Bustamente, G. B. (1944), *Bol. Ofic. san. panam.*, 23, 586

Candioti, C. V., PB, 327

Dauer, C. C. (1947), *PHR*, 62, 901

Maggi, R. (1945), *Rev. Assoc. méd. argent.*, 59, 302

AUSTRALIA

Q Commonwealth Bureau of Census and Statistics, Canberra
 DPH, Perth

AER

EVSR

MER LN (1934), no. 1 - 2, 16

PHR

Burnet, F. M. (1940), *M. J. Australia*, 1, 325

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Gill, J.M. (1927), *M. Standard*, 50, 11

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Helms, K. (1941), *M. J. Australia*, 1, 467

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Litchfield, W. F. (1904), *Australasian Med. Gaz.*, 23, 346

M. J. Australia, (1938), 1, 402

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Scholes, F. V., *PSC*, 157

Stephens, H. D. (1908), *Intercolonial M. J. Australasia*, 13, 573

Wade, R. B. (1904), *Australasian Med. Gaz.*, 23, 344

Williams, S. (1940), *M. J. Australia*, 1, 147

AUSTRIA

Q Österreichisches Statistisches Zentralamt, Vienna

AER

MER LN (1932), No. 1, 5

PHR

TB MED 59

Langer, J. (1913), *Arch. f. Kinderh.*, 60, 436

Leiner, C., and von Wiesner, R. (1909), *Berl. klin. Wchnschr.*, 46, 2331

Mayer, C. (1934), *Wien. klin. Wchnschr.*, 47, 1441

Puschnig, R. (1911), *Oesterr. San. Wes.*, 23, 113

Siegl, J. (1937), *Wien. klin. Wchnschr.*, 50, 1357

Stiefler, G. (1915), *Wien. klin. Wchnschr.*, 28, 1079

Zappert, J. (1936), *Wien. med. Wchnschr.*, 86, 821

———, (1937), *Wien. klin. Wchnschr.*, 50, 463

BARBADOS

AER

MER LN (1934), no. 1-2, 16

BASUTOLAND

Q DMS, Maseru

BECHUANALAND

Q DMS, Mafeking

BELGIAN CONGO

EVSR

MER LN (1935), no. 10-12, 223

Annual Report for 1933 of the Medical Assistance to the Natives
of the Belgian Congo

Rapport sur l'Hygiène Publique au Congo Belge, 1947

Vilen, A. F. (1942), *Ann. Soc. belge de med. trop.*, 22, 309

BELGIUM

Q Institut National de Statistique, Brussels

EVSR

Comby, J. (1930), *Arch. de méd. d. enf.*, 33, 683

Lancet (1945), 2, 440

Timbal, (1930), *Pathologie Infantile*, 27, 16

BERMUDA

AER

BILLITON ISLAND

PHR, (1948), 63, 1532

BOLIVIA

EVSR

PASB

BRAZIL

Q Departamento Nacional de Saúde, Rio de Janeiro

EVSR

PASB

Campos, O. E., *PB*, 40, 328

Ferreira, C. (1912), *Arch. Latino-Am. de pediat.*, 6, 44

———, (1911), *Bull. Soc. pédiat. de Paris*, 13, 370

Parreiras, D. (1940), *Bull. Hyg.*, 15, 294

BRITISH GUIANA

EVSR

PASB

BRITISH HONDURAS

PASB

BRITISH SOMALILAND

AER

BULGARIA

EVSR

TB MED 58

Lancet (1945), 2, 440

BURMA

Q Director of Medical and Public Health Services, Rangoon

TB MED 77

Min Sein, *PB*, 329

CANADA

Q DHW, Charlottetown

DHW, Victoria

Dominion Bureau of Statistics, Ottawa

DPH, Halifax

DPH, Regina
MH, Quebec

AER

EVSR

PASB

PHR

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Couture, E., *PB*, 329

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CANARY ISLANDS

TB MED 192

CARRIACOU IS.

Caribbean M. J. (1942), 4, 62

CELEBES

AER

CEYLON

Q Registrar General's Office, Colombo

PHR

CHILE

EVSR

PASB

PHR

Romero, H., *PB*, 331

CHINA

TB MED 171, 220

New, W. S. (1934), *Chinese M. J.*, 48, 142

Scott, A. V. (1938), *Chinese M. J.*, 54, 442

Yen, C. H., and Hsü, Y. K. (1941), *Chinese M. J.*, 60, 199

CHOISEUL ISLAND — See Pacific Islands

COLOMBIA

Q Ministerio de higiene, Bogotá

- PASB
 González, O. G. (1941), *Bol. clin., Univ. de Antioquia*, 7, 373
 Ruiz-Mora, J., *PB*, 332
- COSTA RICA
 EVSR
 PASB
 PHR
 Montes de Oca, J. (1941), *Bol. Ofic. san. panam.*, 20, 1124
 Núñez, S. (1945), *Bol. Ofic. san. panam.*, 24, 681
- CUBA
 Q Ministerio de Salubridad y Asistencia Social, Havana
 AER
 EVSR
 PASB
 PHR
 Corria, F. R., *ICTMM*, 548
 International Committee (1932). Poliomyelitis: A Survey Organized by Jeremiah Milbank. Williams & Wilkins, Baltimore.
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- CURACÃO
 EVSR
 PASB
 Van Creveld, S., *PB*, 43
- CYPRUS
 Q Director of Medical and Health Department, Nicosia
 EVSR
- CZECHOSLOVAKIA
 EVSR
 TB MED 107
- DAHOMEY
 EVSR
- DENMARK
 Q Sundhedsstyrelsen, Copenhagen
 EVSR
 Henningsen, E. J., and Rasch, G. (1940), *J. Hyg.*, 40, 84
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 ———, (1936), *Acta med. Scandinav.*, 88, 72

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- DOMINICA
AER
- DOMINICAN REPUBLIC
EVS
ECUADOR
EVS
PASB
- EGYPT
Q Statistical Department, Cairo
TB MED 214
Paul, J. R., Havens, W. P., jr., and Van Rooyen, C. R. (1944),
Brit. M. J., 1, 841
- ENGLAND AND WALES
EVS
PHR (1948), 63, 397
Batten, F. E. (1911), *Pub. Health*, 25, 51
Bradley, W. H., *PB*, 335
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Tomkys, L. S. (1912), *Brit. M. J.*, 1, 182
- ESTONIA
AER
- ETHIOPIA
EVS
- FAROE ISLANDS
AER
- FIJI ISLANDS
AER
- FINLAND
Q Central Office of Statistics of Finland, Helsinki
AER

- TB MED 27
 EVSR
 TB MED 66
 Kaprio, L. A., *PB*, 336
- FORMOSA
 Sakai, K., Muto, S., and So, Z. (1940), *Taiwan Igakkai Zassi*, 39, 91
- FRANCE
 Q l'Institut National d'Hygiène, Paris
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 Q Directeur de la Santé Publique, Yaoundé
 AER
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- FRENCH EQUATORIAL AFRICA
 AER
 EVSR
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- GERMANY
 Q Chief of Preventive Medicine Branch of the Medical Division, U. S. Zone
 AER
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AER

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TB MED 189

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GOLD COAST

Q DMS, Accra

Findlay, G. M., et al. (1946), *J. Roy. Army M. Corps*, 86, 20

GREECE

AER

EVSR

PHR

TB MED 26

GREENLAND

Hoygaard, A. (1939), *Lancet*, 1, 245

Hrolv, K. (1935), *Canad. J. Pub. Health*, 26, 575

Meddelser om Grønland, (1935), 117, 4, 151

GRENADA

AER

GUAM

TB MED 41

International Committee (1932). *Poliomyelitis: A Survey Organized by Jeremiah Milbank*. Williams & Wilkins, Baltimore.

GUATEMALA

EVSR

PASB
HAINAN
TB MED 118

HAITI
AER
HAWAII

Q DH, Honolulu
Doolittle, S. E. (1943), *Hawaii M. J.*, 3, 29
Enright, J. R., *PB*, 49
Lee, R. K. E. (1941), *PHR*, 56, 1556
Morales, E. G. (1930), *J. Infect. Dis.*, 46, 31
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HONDURAS

EVSR
PASB

HUNGARY

Q Hungarian Central Statistical Office, Budapest
EVSR
MER LN (1931), 11, 7
PHR
TB MED 140
Acta path. et microbiol. Scandinav., Suppl., 68
Bokay, J. (1912), *Jahrb. f. Kinderh.*, 12, 603
Fritz, S. (1912), Gyermekorvos, Budapest
Lancet (1945), 2, 440
Petrilla, A. (1936), *Orvosi hetil.*, 13, 288

ICELAND

Q Landlaeknir, Reykjavik
AER
EVSR
MER LN (1930), 2, 69
PHR

INDIA

Q Director, Public Health, Poona
correspondence, Dr. Nephi K. Kezerian, Children's Hospital
School, Baltimore, Md. May 26, 1950
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M. J.*, 1, 841

INDOCHINA

Q Le Conseiller a la Santé Publique,
AER
EVSR
Canet, J. (1936), *Bull. Soc. med.-chirug., Indo-Chine*, 14, 206

IRAQ

EVS

Witry, H. A., *PB*, 339

IRELAND

Q DH, Dublin

EVS

PHR

TB MED 215

Deeny, J., and MacCormack, J. D. (1946), *Lancet*, 2, 8

Musgrave, J. A. (1942), *Medical Officer*, 68, 141

ISRAEL

EVS

Hebrew M. J., (1938), 2, 258

Paul, J. R., Havens, W. P., and Van Rooyen, C. E. (1944), *Brit.*

M. J., 1, 841

ITALY

Q Istituto Centrale di Statistica, Rome

EVS

PHR

TB MED 178

Cannarsa, F. (1924), *Pediatria*, 32, 215

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2129

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IVORY COAST

AER

JAMAICA

Q DMS, Kingston

EVS

PASB

PHR

JAPAN

EVS

PHR, (1917), 32, 1104

TB MED 160

- Paul, J. R. (1947), *Am. J. Hyg.*, 45, 206
VDM, 949
- JAVA
TB MED 102
- KASHMIR AND JAMMU
AER
- KENYA
Q DMS, Nairobi
EVSR
- KOREA
Paul, J. R. (1949), *Am. J. Hyg.*, 50, 57
- LATIVA
AER
MER LN, (1932), no. 1, 10
(1935), no. 10-12, 208
- LIBERIA
Internat. Bull. Econ. M. Res. Pub. Hyg., A 40, (1939), Infantile
Paralysis
- LITHUANIA
AER
MER LN, (1935), no. 10-12, 208
- LUXEMBOURG
Q Office de la Statistique Générale, Luxembourg
EVSR
PHR
- MADAGASCAR
Q Directeur du Service de Santé, Tananarive
EVSR
PHR
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554
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EVSR
PHR
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281
- MALTA
Q Office of Statistics, Valletta
EVSR
PHR
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MANCHURIA

TB MED 216, 47

MARTINIQUE

AER

MAURITIUS

Q DMS, Port Louis

EVSR

PHR

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VDM, 950

MEXICO

EVSR

PASB

PHR

Dauer, C. C. (1947), *PHR*, 62, 901

Farill, J., *PB*, 340

Stuck, W. G., and Loiselle, A. O. (1943), *J. A. M. A.*, 122, 853

MOLUCCAS

AER

MOROCCO

AER

MOZAMBIQUE

Q Direcção dos Serviços de Saúde, Lourenço Marques

EVSR

NAURU IS.

International Committee (1932). *Poliomyelitis: A Survey Organized by Jeremiah Milbank*. Williams & Wilkins, Baltimore.

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NETHERLANDS

EVSR

PASB

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 (Java, Sumatra, Billiton Islands)
 EVSR
 PHR
 Van Creveld, S., *PB*, 43
- NEW GUINEA, MANUS, NEW BRITAIN, NEW IRELAND**
 TB Med 18, 13
Am. J. Trop. Med., (1944), Suppl., 24, no. 3
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- NEW ZEALAND**
 Q Census and Statistics Department, Wellington
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 EVSR
 PHR
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- NEWFOUNDLAND**
 Q DH, St. John's
 PASB
 PHR
- NICARAGUA**
 EVSR
 PASB
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- NICOBAR ISLANDS**
 correspondence, Dr. Nephi K. Kezerian, Children's Hospital School, Baltimore, Md.
 Pandit, G. G., *ICTMM*, 546
- NIGERIA**
 Q DMS, Lagos
- NORTHERN IRELAND**
 Q General Register Office, Belfast