

**THE PREVENTION OF MALARIA
IN THE
FEDERATED MALAY STATES**

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THE FEDERATED MALAY STATES**



THE SILENT WAR.

Somewhere in Malaya—the ruins of a coffee store on an estate abandoned on account of Malaria.
The jungle is beginning to take possession (see p. 293).

THE
PREVENTION OF MALARIA
IN THE FEDERATED MALAY STATES
A RECORD OF TWENTY YEARS' PROGRESS

BY

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SECOND EDITION—REVISED AND ENLARGED

LONDON
JOHN MURRAY, ALBEMARLE STREET, LONDON, W.

1921

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APPENDIX

THE CITY OF *Singapore Municipality Monthly*

| Year. | January. | February. | March. | April. | May. |
|-------|----------|-----------|--------|--------|-------|
| 1892 | 34-36 | 39-63 | 27-64 | 28-92 | 27-35 |
| 1893 | 38-08 | 32-54 | 33-99 | 35-24 | 43-75 |
| 1894 | 33-70 | 28-99 | 28-90 | 29-08 | 35-17 |
| 1895 | 32-35 | 26-53 | 31-43 | 45-03 | 51-50 |
| 1896 | 46-8 | 44-4 | 44-4 | 54-5 | 63-2 |
| 1897 | 41-9 | 32-1 | 38-8 | 43-5 | 46-8 |
| 1898 | 30-78 | 26-41 | 26-01 | 28-48 | 36-71 |
| 1899 | 37-58 | 29-83 | 33-14 | 32-04 | 35-93 |
| 1900 | 34-83 | 29-19 | 35-85 | 36-53 | 42-29 |
| 1901 | 44-54 | 34-42 | 36-04 | 40-55 | 49-00 |
| 1902 | 46-25 | 35-72 | 40-87 | 62-44 | 85-31 |
| 1903 | 45-33 | 44-66 | 46-21 | 44-66 | 65-67 |
| 1904 | 36-59 | 34-31 | 35-94 | 42-49 | 54-83 |
| 1905 | 43-32 | 37-91 | 45-91 | 43-74 | 48-41 |
| 1906 | 36-86 | 35-45 | 41-54 | 46-06 | 40-76 |
| 1907 | 34-85 | 26-95 | 36-38 | 42-49 | 51-25 |
| 1908 | 33-77 | 32-37 | 37-82 | 42-06 | 56-00 |
| 1909 | 43-03 | 29-16 | 31-86 | 36-61 | 42-69 |
| 1910 | 37-04 | 34-30 | 35-31 | 35-31 | 47-53 |
| 1911 | 40-07 | 28-93 | 36-37 | 49-73 | 80-19 |
| 1912 | 40-26 | 33-81 | 35-02 | 42-09 | 50-32 |
| 1913 | 33-41 | 25-91 | 29-23 | 31-54 | 36-73 |
| 1914 | 33-65 | 28-54 | 31-14 | 35-90 | 42-15 |
| 1915 | 35-74 | 28-48 | 28-07 | 26-00 | 26-53 |
| 1916 | 24-32 | 21-25 | 23-80 | 31-07 | 36-45 |
| 1917 | 30-78 | 30-27 | 33-89 | 34-28 | 37-75 |
| 1918 | 39-68 | 33-70 | 33-16 | 37-49 | 45-31 |
| 1919 | 32-32 | 26-50 | 26-20 | 27-77 | 32-47 |

APPENDIX

SINGAPORE.

Death Rates, 1892—1919.

| June. | July. | August. | September. | October. | November. | December. |
|-------|-------|---------|------------|----------|-----------|-----------|
| 30.27 | 33.98 | 32.13 | 27.14 | 32.34 | 30.84 | 35.48 |
| 44.10 | 38.08 | 34.75 | 31.36 | 30.94 | 28.16 | 34.74 |
| 32.62 | 38.47 | 30.40 | 28.38 | 30.67 | 31.55 | 33.36 |
| 72.54 | 50.71 | 43.20 | 31.37 | 38.95 | 36.99 | 44.50 |
| 54.3 | 48.19 | 49.51 | 44.56 | 44.24 | 40.12 | 37.26 |
| 46.3 | 49.1 | 41.5 | 42.2 | 41.5 | 34.7 | 32.0 |
| 39.76 | 44.43 | 39.94 | 34.79 | 34.91 | 34.97 | 39.76 |
| 40.53 | 37.04 | 32.56 | 30.35 | 35.29 | 34.42 | 37.71 |
| 46.41 | 44.43 | 40.65 | 45.00 | 40.76 | 52.22 | 50.81 |
| 50.33 | 50.50 | 49.40 | 44.66 | 47.90 | 50.10 | 45.64 |
| 61.82 | 53.89 | 40.42 | 45.28 | 47.55 | 48.00 | 47.21 |
| 51.74 | 48.59 | 44.50 | 46.27 | 44.94 | 42.62 | 41.79 |
| 48.77 | 53.26 | 53.30 | 44.27 | 45.68 | 40.27 | 45.73 |
| 51.54 | 51.16 | 41.51 | 35.10 | 42.42 | 39.39 | 44.54 |
| 36.86 | 40.65 | 32.54 | 34.99 | 38.10 | 34.52 | 37.05 |
| 54.00 | 53.75 | 68.68 | 50.85 | 50.54 | 44.99 | 42.80 |
| 51.06 | 50.31 | 49.46 | 46.26 | 50.11 | 61.40 | 50.81 |
| 39.31 | 37.79 | 36.81 | 41.56 | 43.97 | 45.00 | 34.90 |
| 43.68 | 55.56 | 50.56 | 48.15 | 44.59 | 43.15 | 39.54 |
| 85.83 | 60.27 | 47.51 | 44.14 | 50.06 | 44.28 | 43.49 |
| 55.96 | 50.23 | 44.42 | 39.59 | 37.89 | 38.47 | 36.05 |
| 38.30 | 38.26 | 33.07 | 33.24 | 38.13 | 36.16 | 35.51 |
| 40.62 | 36.37 | 31.56 | 28.41 | 33.52 | 33.35 | 34.11 |
| 26.20 | 25.95 | 28.98 | 25.83 | 27.36 | 24.13 | 25.42 |
| 34.55 | 33.42 | 30.59 | 27.84 | 29.70 | 27.64 | 30.47 |
| 38.73 | 38.50 | 38.58 | 39.60 | 38.50 | 33.81 | 34.36 |
| 44.55 | 51.33 | 35.27 | 30.36 | 69.05 | 50.72 | 34.35 |
| 35.79 | 38.44 | 38.85 | 36.17 | 35.53 | 35.61 | 35.79 |

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