

# Malaria Treatment Recommendations

## WHO African region

| Global AMDP database - WHO African region |                      |                      |               |                      |                   |                                    |            |                 |
|-------------------------------------------|----------------------|----------------------|---------------|----------------------|-------------------|------------------------------------|------------|-----------------|
| Last Updated: September 2009              |                      | <i>P. falciparum</i> |               |                      |                   |                                    |            | <i>P. vivax</i> |
| COUNTRY/<br>AREA                          | SPECIES              | uncomplicated        |               | treatment<br>failure | severe<br>malaria | pregnancy                          |            | treatment       |
|                                           |                      | un-confirmed         | lab-confirmed |                      |                   | treatment                          | prevention |                 |
| Algeria                                   | vivax only           |                      |               |                      |                   |                                    |            | CQ              |
| Angola                                    | falciparum           | AL                   | AL            | QN(7d)               | QN(7d)            | QN(7d)                             | SP(IPT)    |                 |
| Benin                                     | falciparum           | AL                   | AL            | QN(7d)               | QN(7d)            | QN(7d)                             | SP(IPT)    |                 |
| Botswana                                  | falciparum           | AL                   | AL            | QN(7d)               | QN(7d)            | QN(7d)                             | CQ+PG      |                 |
| Burkina Faso                              | falciparum           | AS+AQ,<br>AL         | AS+AQ,<br>AL  | QN(7d)               | QN(7d)            | QN(7d)                             | SP(IPT)    |                 |
| Burundi                                   | falciparum           | AS+AQ                | AS+AQ         | QN(7d)               | QN(7d)            | QN(7d)                             |            |                 |
| Cameroon                                  | falciparum           | AS+AQ                | AS+AQ         | QN(7d)               | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Cape Verde                                | falciparum           | CQ                   | CQ            | SP                   | QN(7d)            | QN                                 | CQ         |                 |
| Central African Republic                  | falciparum           | AL                   | AL            | QN(7d)               | QN(7d)            | QN(7d)                             | SP(IPT)    |                 |
| Chad                                      | falciparum           | AS+AQ,<br>AL         | AS+AQ,<br>AL  | QN(7d)               | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Comoros                                   | falciparum           | AL                   | AL            | QN(7d)               | QN(7d)            | QN(7d)                             | SP(IPT)    |                 |
| Congo                                     | falciparum           | AS+AQ                | AS+AQ         | AL                   | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Côte d'Ivoire                             | falciparum           | AS+AQ                | AS+AQ         | AL                   | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Democratic Republic of the Congo          | falciparum           | AS+AQ                | AS+AQ         | QN(7d)               | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Equatorial Guinea                         | falciparum           | AS+AQ                | AS+AQ         | QN(7d)               | QN(7d)            | QN                                 |            |                 |
| Eritrea                                   | falciparum/<br>vivax | CQ+SP                | AS+AQ         | QN(7d)               | QN(7d)            | QN                                 |            | CQ+PQ           |
| Ethiopia                                  | falciparum/<br>vivax | AL                   | AL            | QN(7d)               | QN(7d)            | QN                                 |            | CQ              |
| Gabon                                     | falciparum           | AS+AQ                | AS+AQ         | AL                   | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Gambia                                    | falciparum           | AL                   | AL            | QN(7d)               | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Ghana                                     | falciparum           | AS+AQ,<br>AL         | AS+AQ,<br>AL  | QN(7d)               | QN(7d)            | QN, AS+AQ -<br>2nd & 3rd trimester | SP(IPT)    |                 |
| Guinea                                    | falciparum           | AS+AQ                | AS+AQ         | QN(7d)               | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Guinea-Bissau                             | falciparum           | AL                   | AL            | QN(7d)               | QN(7d)            | QN                                 | SP(IPT)    |                 |
| Kenya                                     | falciparum           | AL                   | AL            | QN(7d)               | QN(7d)            | QN, AL - 2nd &<br>3rd trimester    | SP(IPT)    |                 |

| Global AMDP database - WHO African region |            |              |              |               |        |                                                                          |         |    |
|-------------------------------------------|------------|--------------|--------------|---------------|--------|--------------------------------------------------------------------------|---------|----|
| Liberia                                   | falciparum | AS+AQ        | AS+AQ        | QN(7d)        | QN(7d) | QN                                                                       | SP(IPT) |    |
| Madagascar                                | falciparum | AS+AQ        | AS+AQ        | QN(7d)        | QN(7d) | QN                                                                       | SP(IPT) |    |
| Malawi                                    | falciparum | AL           | AL           | AS+AQ         | QN(7d) | SP, QN(7)                                                                | SP(IPT) |    |
| Mali                                      | falciparum | AL           | AL           | AS+SP         | QN(7d) | QN(7d)                                                                   | SP(IPT) |    |
| Mauritania                                | falciparum | AS+AQ        | AS+AQ        |               | QN(7d) |                                                                          |         |    |
| Mauritius                                 | vivax only |              |              |               |        |                                                                          |         | CQ |
| Mozambique                                | falciparum | AL           | AL           | AS+AQ         | QN(7d) | QN                                                                       | SP(IPT) |    |
| Namibia                                   | falciparum | AL           | AL           | QN(7d)        | QN(7d) | QN(7d)                                                                   | SP(IPT) |    |
| Niger                                     | falciparum | AL           | AL           | QN(7d)        | QN(7d) |                                                                          | SP(IPT) |    |
| Nigeria                                   | falciparum | AL,<br>AS+AQ | AL,<br>AS+AQ | QN(7d)        | QN(7d) | QN, ACT - 2nd<br>& 3rd<br>trimester, ACT<br>- 2nd & 3rd<br>trimester     | SP(IPT) |    |
| Rwanda                                    | falciparum | AL           | AL           | QN(7d)        | QN(7d) |                                                                          | SP(IPT) |    |
| Sao Tome and<br>Principe                  | falciparum | AS+AQ        | AS+AQ        | AL            | QN(7d) | QN(7d),<br>AS+AQ                                                         | SP(IPT) |    |
| Senegal                                   | falciparum | AS+AQ        | AS+AQ,<br>AL |               | QN(7d) | QN                                                                       | SP(IPT) |    |
| Sierra Leone                              | falciparum | AS+AQ        | AS+AQ        | QN(7d)        | QN(7d) | QN                                                                       | SP(IPT) |    |
| South Africa                              | falciparum | AL           | AL           | QN(7d)        | QN(7d) | QN+CL                                                                    | CQ+PG   |    |
| Swaziland                                 | falciparum |              | AL           | QN            | QN(7d) | QN                                                                       | CQ+PG   |    |
| Togo                                      | falciparum | AL,<br>AS+AQ | AL,<br>AS+AQ |               | QN(7d) |                                                                          | SP(IPT) |    |
| Uganda                                    | falciparum | AL           | AL           | QN(7d)        | QN(7d) | QN(7d)                                                                   | SP(IPT) |    |
| United<br>Republic of<br>Tanzania         | falciparum | AL,<br>AS+AQ | AL,<br>AS+AQ | QN(7d),<br>AL | QN(7d) | QN, ACT - 2nd<br>& 3rd<br>trimester, SP,<br>ACT - 2nd &<br>3rd trimester | SP(IPT) |    |
| Zambia                                    | falciparum | AL           | AL           | QN(7d)        | QN(7d) | QN, ACT - 2nd<br>& 3rd trimester                                         | SP(IPT) |    |
| Zimbabwe                                  | falciparum | AL           | AL           | QN(7d)        | QN(7d) | QN, ACT - 2nd<br>& 3rd trimester                                         | SP(IPT) |    |

## WHO Region of the Americas

| Global AMDP database - WHO Region of the Americas |            |                      |               |                                                                   |                |                                               |            |                 |
|---------------------------------------------------|------------|----------------------|---------------|-------------------------------------------------------------------|----------------|-----------------------------------------------|------------|-----------------|
| Last Updated: September 2009                      |            | <i>P. falciparum</i> |               |                                                                   |                |                                               |            | <i>P. vivax</i> |
| COUNTRY/ AREA                                     | SPECIES    | uncomplicated        |               | treatment failure                                                 | severe malaria | pregnancy                                     |            | Treatment       |
|                                                   |            | un-confirmed         | lab-confirmed |                                                                   |                | treatment                                     | Prevention |                 |
| Argentina                                         | vivax only |                      |               |                                                                   |                |                                               |            | CQ+PQ           |
| Belize                                            | vivax only |                      |               |                                                                   |                |                                               |            | CQ+PQ           |
| Bolivia                                           |            |                      | AS+MQ         | QN+CL                                                             |                |                                               |            | CQ+PQ           |
| Brazil                                            |            |                      | AL            |                                                                   | AS, AM, QN     | QN, AS+AQ - 2nd & 3rd trimester, CQ for vivax |            | CQ+PQ(7d)       |
| Colombia                                          |            |                      | AL, AS+MQ     | QN(3d)+CL(5d)                                                     | QN(7d)         | QN, AS+AQ - 2nd & 3rd trimester               |            | CQ+PQ           |
| Costa Rica                                        | vivax only |                      |               |                                                                   |                |                                               |            | CQ+PQ           |
| Dominican Republic                                |            |                      | CQ+PQ(3d)     |                                                                   |                |                                               |            |                 |
| Ecuador                                           |            |                      | AS+SP, AL     | QN+T, QN+D, QN+CL                                                 |                |                                               |            | CQ+PQ           |
| El Salvador                                       | vivax only |                      |               |                                                                   |                |                                               |            | CQ+PQ           |
| French Guiana                                     |            |                      | QN+T          | QN+D                                                              |                |                                               |            | CQ+PQ           |
| Guatemala                                         | vivax only |                      |               |                                                                   |                |                                               |            | CQ+PQ           |
| Guyana                                            |            |                      | AL            | QN+T                                                              |                |                                               |            | CQ+PQ           |
| Haiti                                             |            |                      | CQ+PQ         |                                                                   |                |                                               |            |                 |
| Honduras                                          | vivax only |                      |               |                                                                   |                |                                               |            | CQ+PQ           |
| Mexico                                            | vivax only |                      |               |                                                                   |                |                                               |            | CQ+PQ           |
| Nicaragua                                         |            |                      | CQ+PQ(7d)     | AS+SP, AS+MQ                                                      | QN+CL          | CQ                                            |            | CQ+PQ(7d)       |
| Panama                                            | vivax only |                      |               |                                                                   |                |                                               |            | CQ+PQ           |
| Paraguay                                          |            |                      | CQ+PQ         |                                                                   |                |                                               |            | CQ+PQ           |
| Peru                                              |            |                      | AS+MQ, AS+SP  |                                                                   |                |                                               |            | CQ+PQ           |
| Suriname                                          |            |                      | AL            | QN(7d)                                                            |                |                                               |            | CQ+PQ           |
| Venezuela (Bolivarian Republic)                   |            |                      | AS+MQ         | QN+T or D or CL, QN+T, QN+D, QN+CL, QN+T or D or CL, QN+T or D or |                |                                               |            | CQ+PQ           |

AQ=Amodiaquine  
 AL=Artemether-lumefantrine  
 AS=Artesunate  
 CQ=Chloroquine  
 IPT=Intermittent Preventive Treatment  
 MQ= Mefloquine  
 PQ=Primaquine  
 QN=Quinine  
 SP=Sulphadoxine-pyrimethamine

From: World Health Organization "Antimalarial drug policies" webpage:  
<http://www.who.int/malaria/publications/treatment-policies/en/index.html>