

Yemen accounts for 11.6% of the population at high risk of malaria in the Eastern Mediterranean Region and 7.9% of the confirmed cases. 1.8% of households have at least one LLINs for every two household members (2009). The total reported number of available and functional LLINs in the country is 626953.

1. Malaria burden and risk

Population, endemicity and malaria burden

| Population | Number | % |
|--------------------------|------------|------|
| Total population | 24 799 880 | |
| Population under 5 years | 4 179 311 | 16.9 |
| Male population | 12 480 919 | 50.3 |
| Rural population | 16 912 774 | 68.2 |

Population by malaria endemicity

| | | |
|---|------------|------|
| High transmission (≥ 1 cases per 1000 population) | 10 740 769 | 43.3 |
| Low transmission (< 1 cases per 1000 population) | 5 558 188 | 22.4 |
| Malaria-free (0 cases) | 8 500 923 | 34.3 |

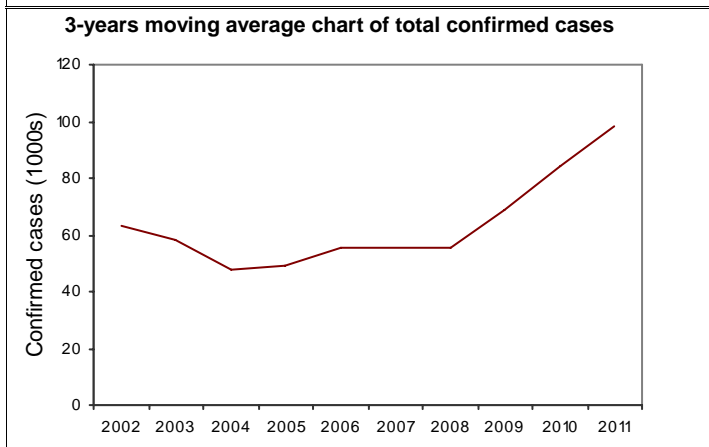
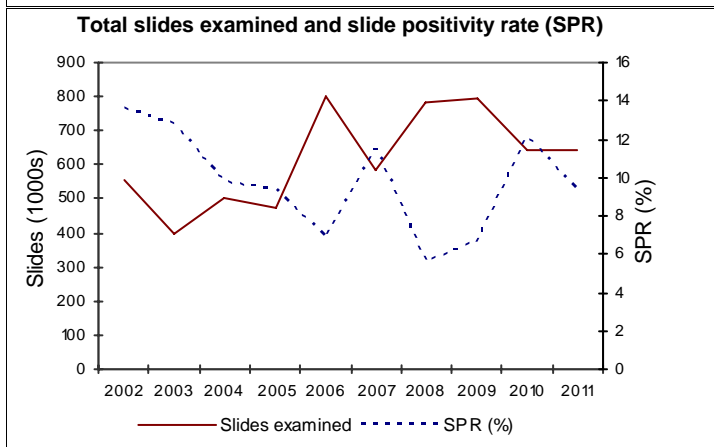
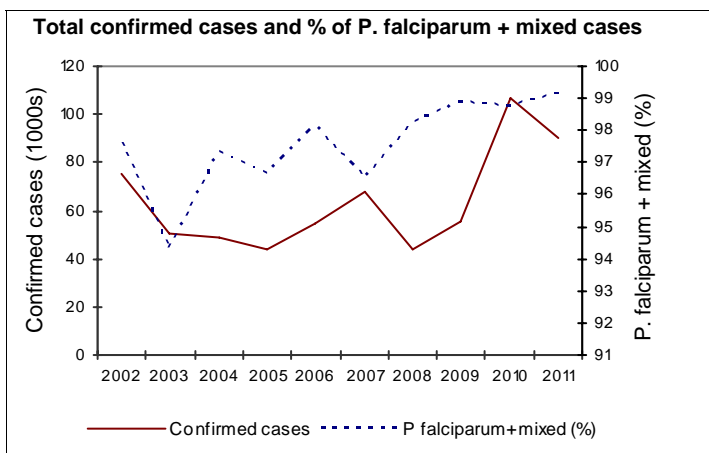
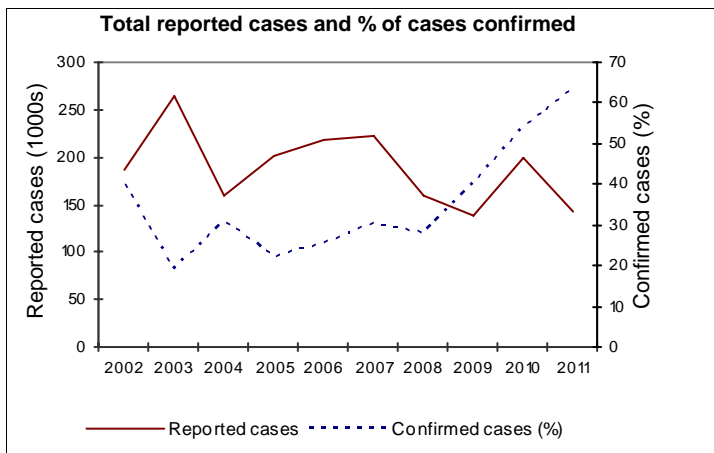
Parasite profile

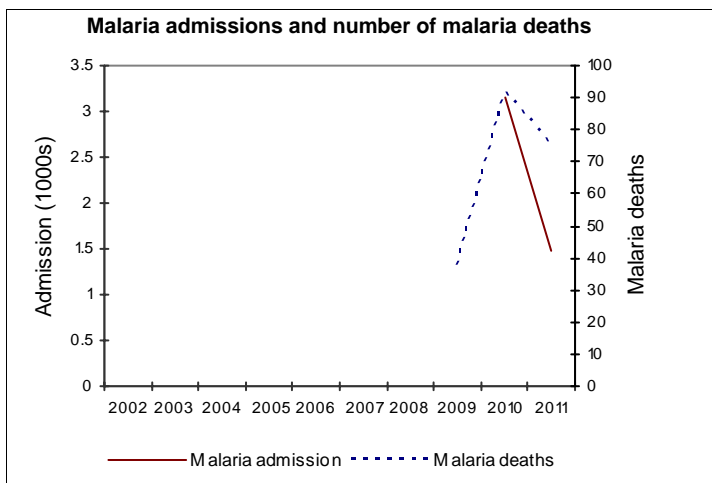
P. falciparum > *P. vivax*

Vector profile

An. arabiensis
An. culicifacies
An. sergentii

Morbidity and mortality trends





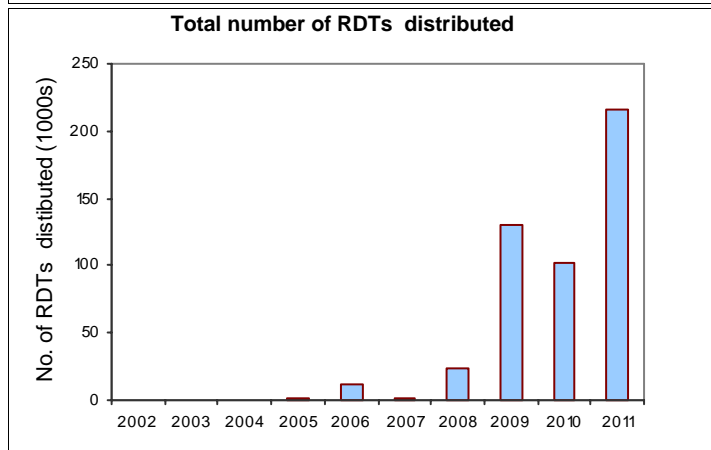
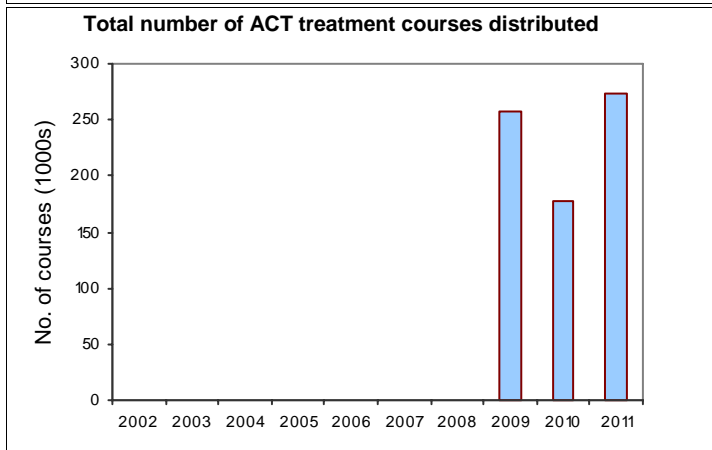
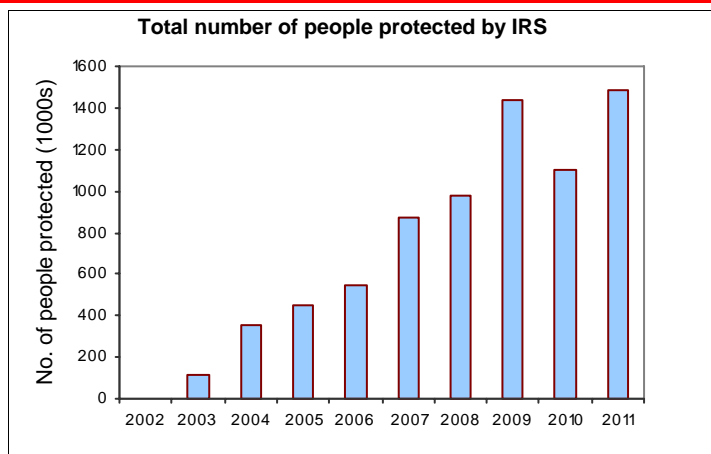
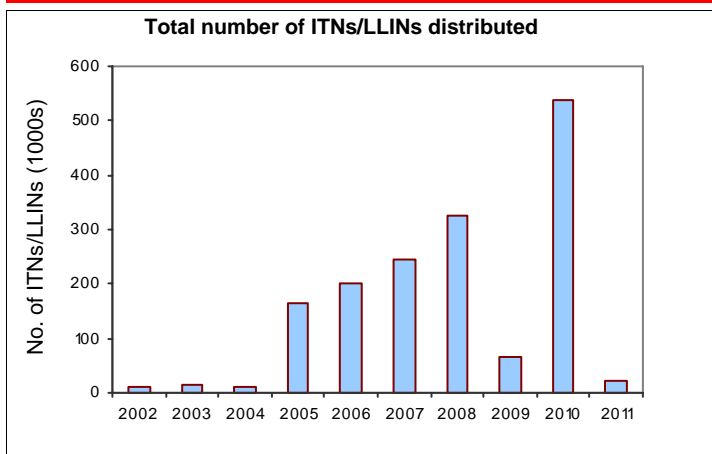
Malaria admissions and deaths

| Year | Malaria admissions | | Malaria deaths | |
|------|--------------------|---------------|----------------|---------------|
| | All ages | Under 5 years | All ages | Under 5 years |
| 2002 | | | | |
| 2003 | | | | |
| 2004 | | | | |
| 2005 | | | | |
| 2006 | | | 73 | 73 |
| 2007 | | | | |
| 2008 | | | | |
| 2009 | | | 38 | |
| 2010 | 3 153 | 888 | 92 | 33 |
| 2011 | 1 474 | 489 | 75 | 26 |

Reported malaria burden

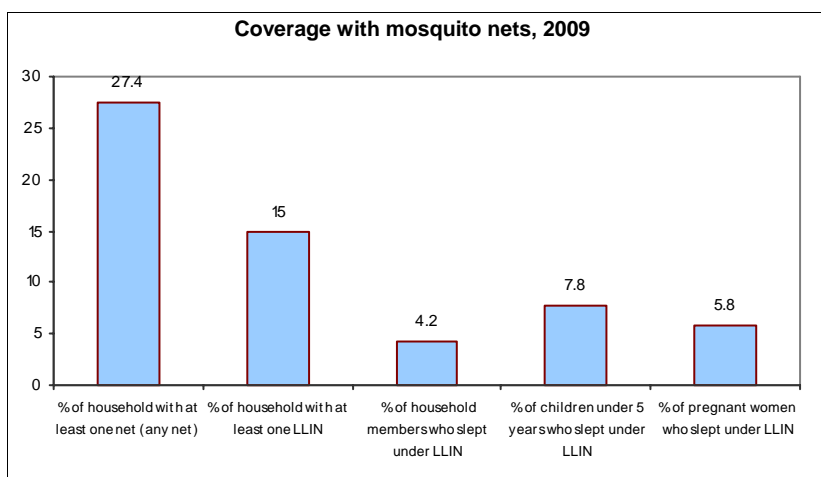
| Year | Total reported cases | Confirmed cases | | | Number of tests | | | P. falciparum + mixed | P. vivax + others |
|------|----------------------|-----------------|------------|--------|-----------------|------------|---------|-----------------------|-------------------|
| | | Total | Microscopy | RDTs | Total | Microscopy | RDTs | | |
| 2002 | 187 159 | 75 508 | 75 508 | | 556 143 | 556 143 | | 73 727 | 1 781 |
| 2003 | 265 032 | 50 811 | 50 811 | | 398 472 | 398 472 | | 47 894 | 1 474 |
| 2004 | 158 561 | 48 756 | 48 756 | | 501 747 | 501 747 | | 47 452 | 1 304 |
| 2005 | 200 560 | 44 150 | 44 150 | | 472 970 | 472 970 | | 42 681 | 1 469 |
| 2006 | 217 270 | 55 000 | 55 000 | | 799 747 | 799 747 | | 53 971 | 1 029 |
| 2007 | 223 299 | 67 677 | 67 607 | 70 | 585 318 | 585 015 | 303 | 65 268 | 2 339 |
| 2008 | 158 608 | 44 206 | 43 545 | 661 | 786 333 | 781 318 | 5 015 | 42 796 | 749 |
| 2009 | 138 579 | 55 446 | 53 445 | 2 001 | 816 187 | 797 621 | 18 566 | 52 853 | 592 |
| 2010 | 198 963 | 106 697 | 78 269 | 28 428 | 742 752 | 645 463 | 97 289 | 77 301 | 968 |
| 2011 | 142 147 | 90 410 | 60 207 | 30 203 | 753 203 | 645 093 | 108 110 | 59 696 | 511 |

2. Malaria control interventions coverage



Reported malaria control interventions

| Year | Total number of ITNs/LLINs distributed | Total number of ACT treatment courses distributed | Total number of people protected by IRS | Total number of RDTs distributed |
|------|--|---|---|----------------------------------|
| 2002 | 9 530 | 0 | | |
| 2003 | 13 680 | 0 | 117 247 | |
| 2004 | 9 530 | 0 | 350 261 | |
| 2005 | 163 000 | 0 | 450 885 | 1 440 |
| 2006 | 200 000 | 0 | 547 891 | 12 000 |
| 2007 | 244 560 | 0 | 872 481 | 1 500 |
| 2008 | 323 800 | 0 | 972 629 | 24 000 |
| 2009 | 66 545 | 258 180 | 1 440 482 | 129 725 |
| 2010 | 538 577 | 177 517 | 1 099 627 | 102 345 |
| 2011 | 21 831 | 273 180 | 1 480 416 | 216 475 |



3. National drug policy

| | |
|---------------------------------------|-------|
| Unconfirmed uncomplicated | AS+SP |
| Uncomplicated | AS+SP |
| P. falciparum treatment | AL |
| Treatment failure (second line) | AL |
| Severe | QN;AM |
| Prevention during pregnancy | |
| P. vivax treatment | CQ+PQ |
| Mixed infection treatment (PF+others) | |
| Last drug policy update (year) | 2009 |

4. Financing malaria control

| Government budget | Budget (US\$) | External contribution | Budget (US\$) |
|--|--------------------|---|---------------|
| Government budget for malaria | 2 293 646 | Global Fund | 880 150 |
| Government expenditure for malaria | 1 012 076 | World Health Organization | 240 000 |
| | | Other bilaterals | 80 000 |
| | | Other (nongovernmental organizations, foundations, etc) | 9 084 589 |
| Expenditure breakdown | Expenditure (US\$) | | |
| Human resources & technical assistance | 1 036 869 | | |
| Training | 127 125 | | |
| Insecticide & spraying materials | 640 251 | | |
| Procurement & supply management | 330 883 | | |
| Communication and advocacy | 37 181 | | |
| Planning, administration and overheads | 384 504 | | |
| Monitoring and evaluation | 249 896 | | |
| Others | 39 963 | | |