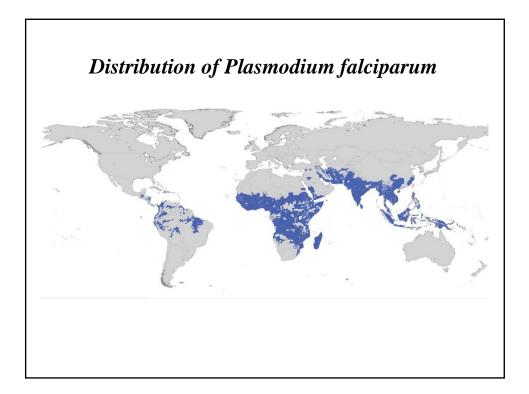
The Malarias:

Plasmodium falciparum Plasmodium vivax Plasmodium malariae Plasmodium ovale



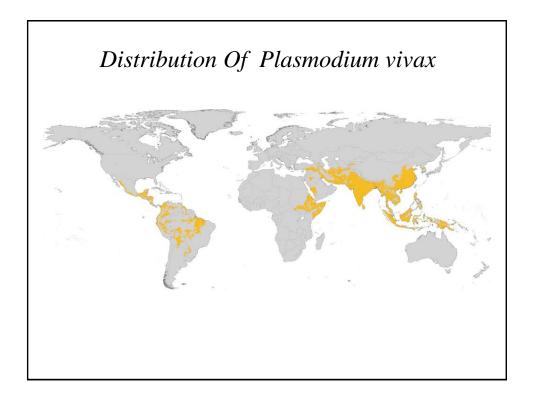
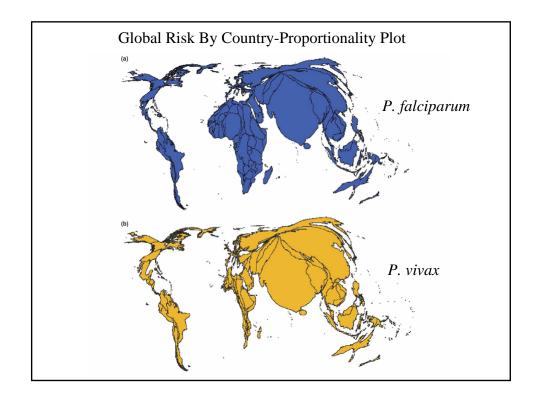
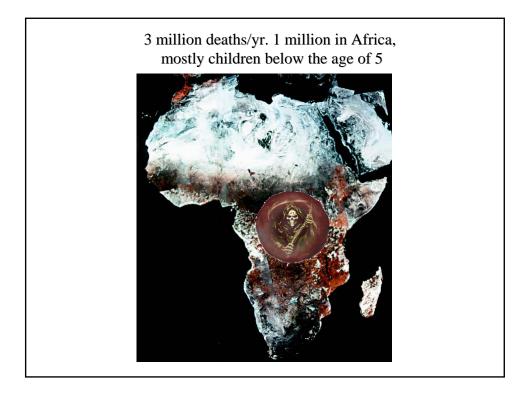


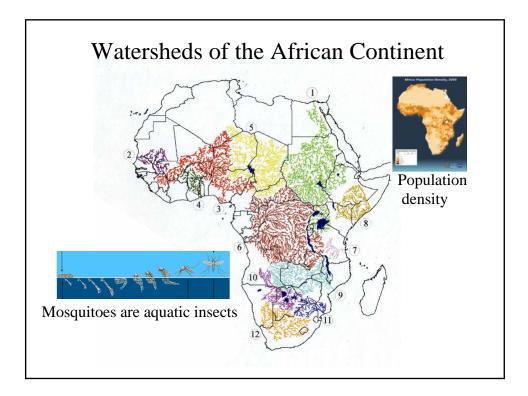
Table 2. PAR of malaria derived from extractions using the global spatial limits for *P. falciparum* and *P. vivax* in 2005

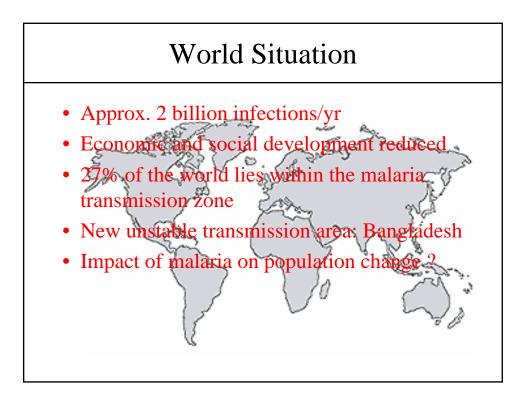
WHO region	P. falciparum risk ^a	<i>P. vivax</i> risk ^a
SEARO	1.252	1.347
AFRO	0.525	0.050
WPRO	0.438	0.890
EMRO	0.245	0.211
AMRO	0.050	0.078
EURO	0.000	0.020
Total	2.510	2.596

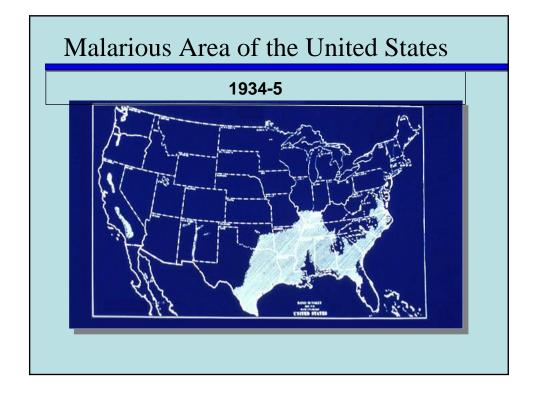
^aThe risk is given in billion (1,000,000,000) persons. Abbreviations: WHO, World Health Organization; SEARO, South East Asian Regional Office; AFRO, African Regional Office; WPRO, Western Pacific Regional Office; EMRO, Eastern Mediterranean Regional Office; AMRO, American Regional Office; EURO, European Regional Office.



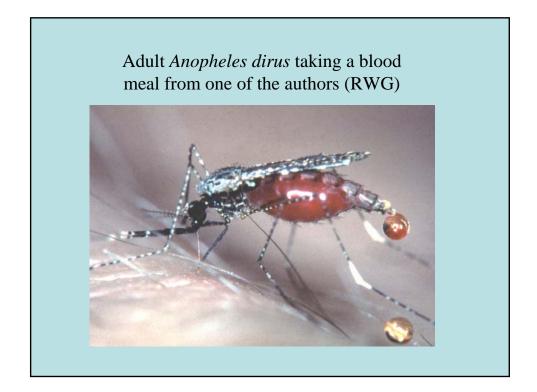




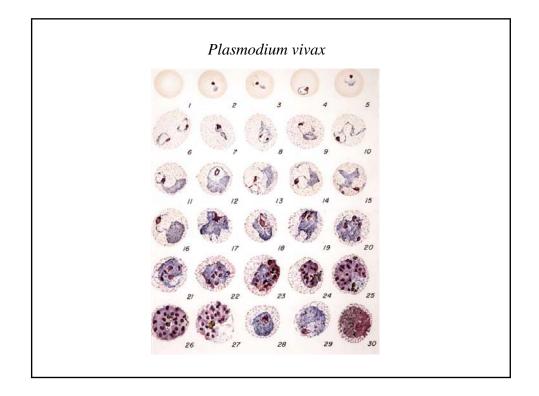


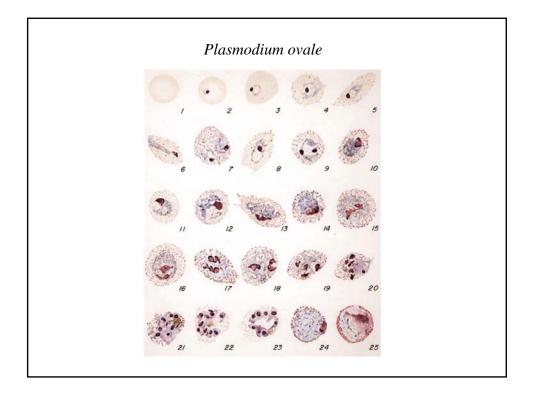


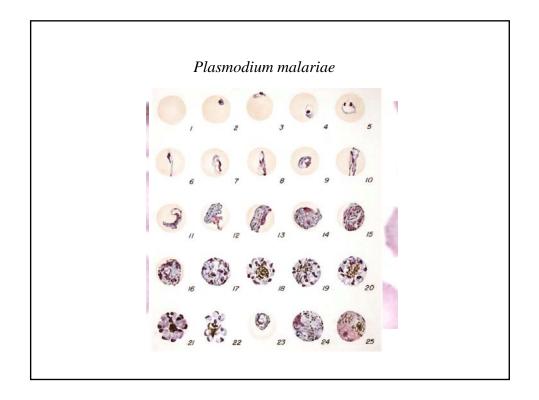


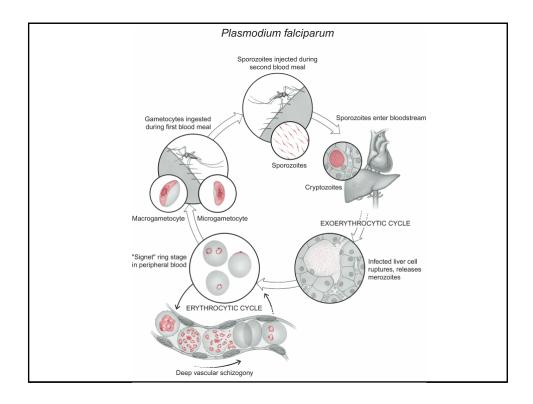


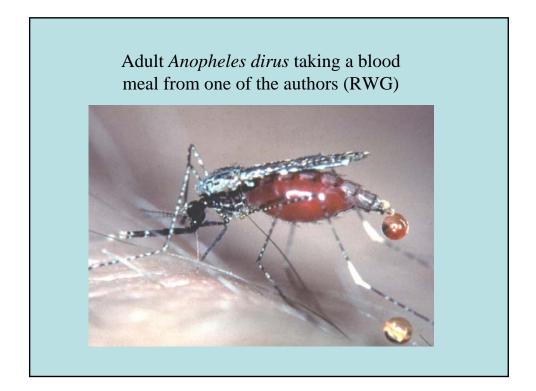


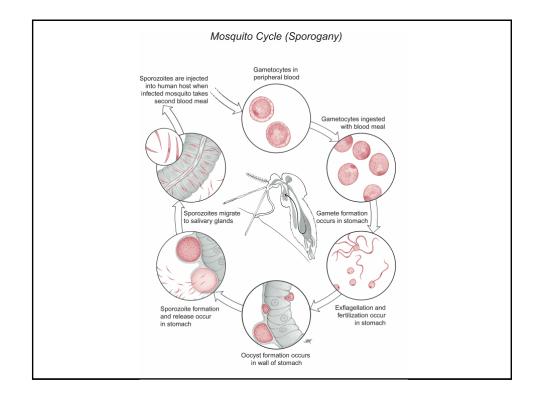


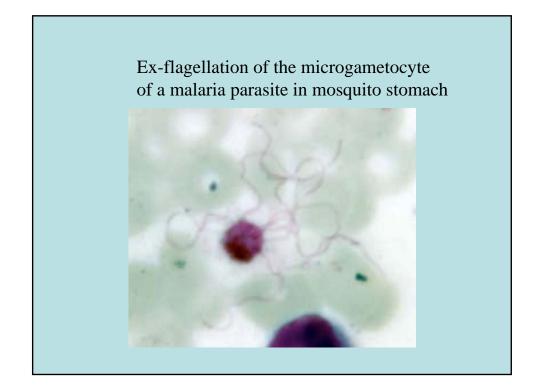


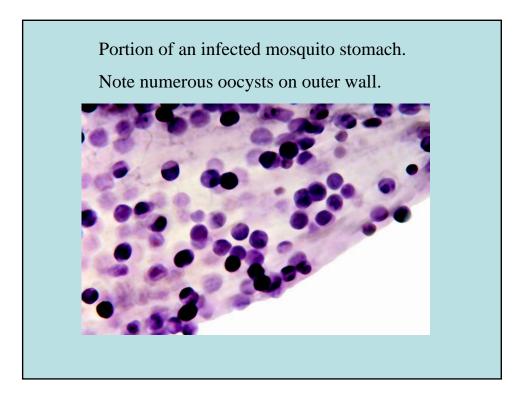


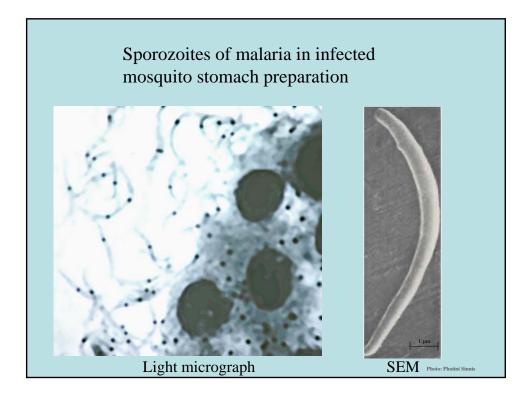


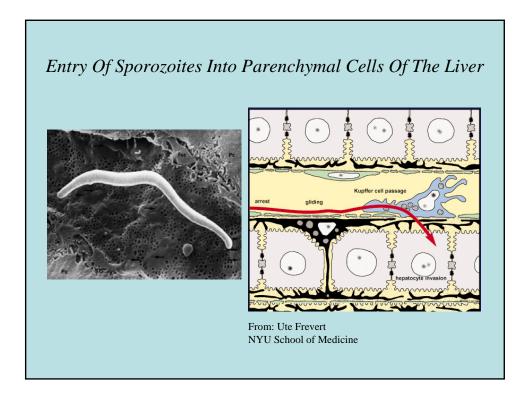


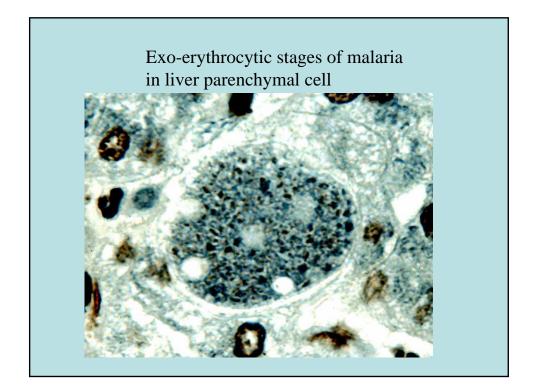


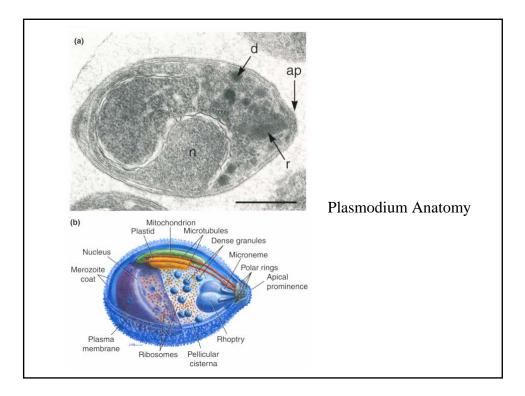


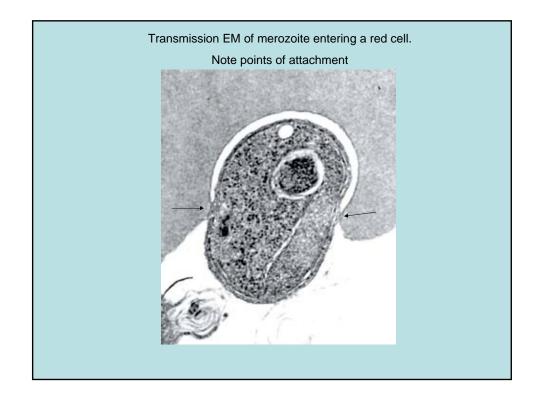


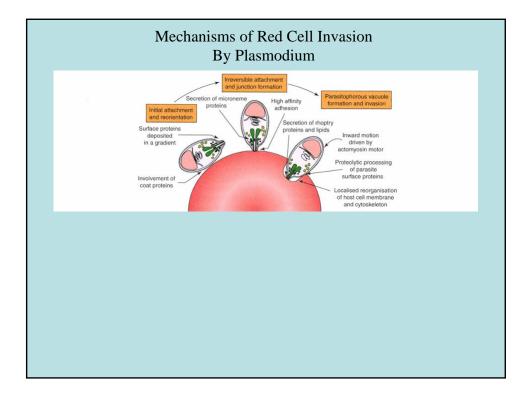


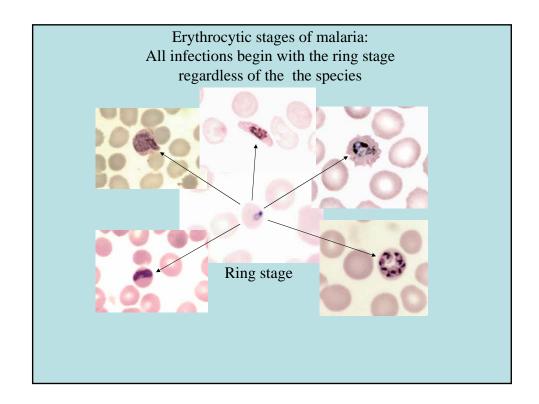


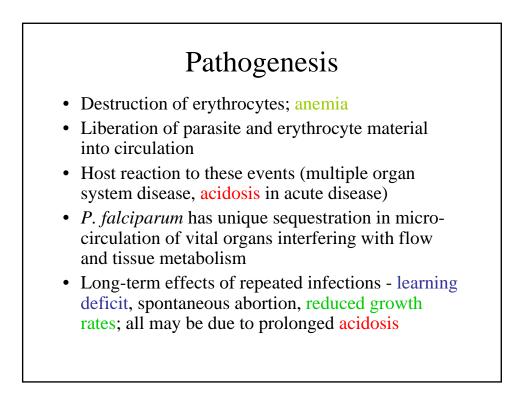


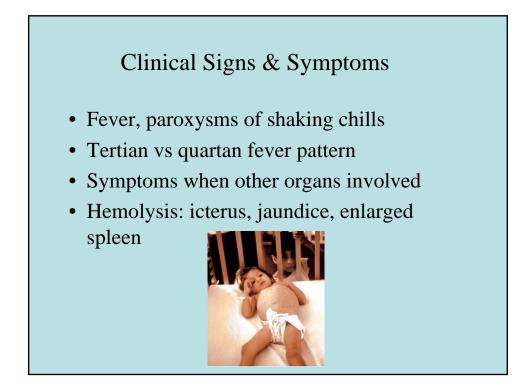


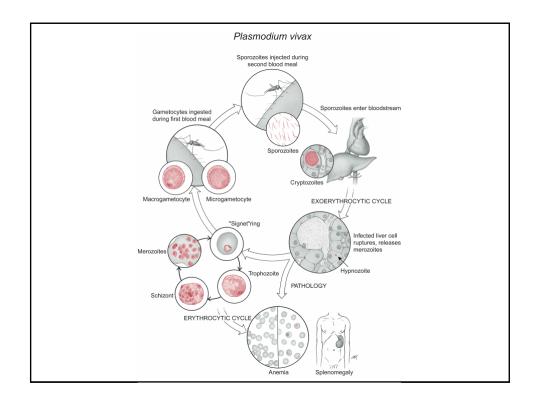


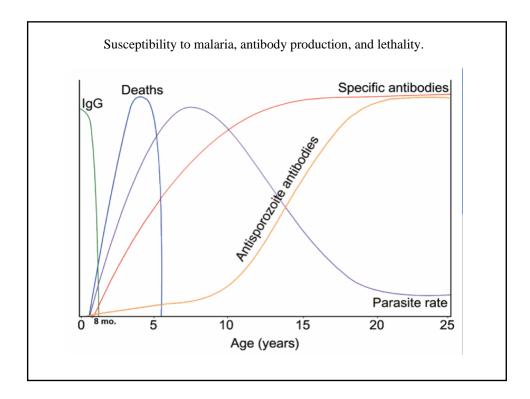


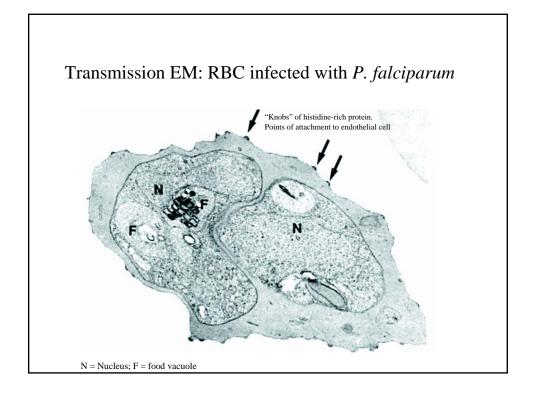


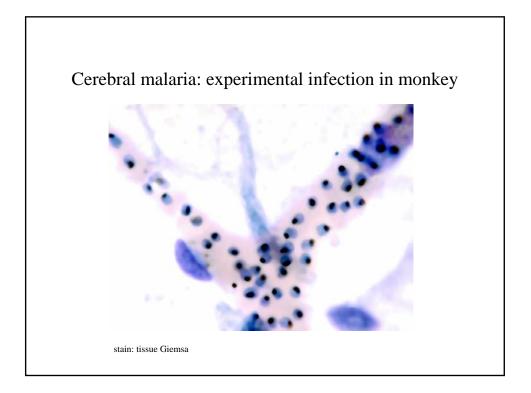


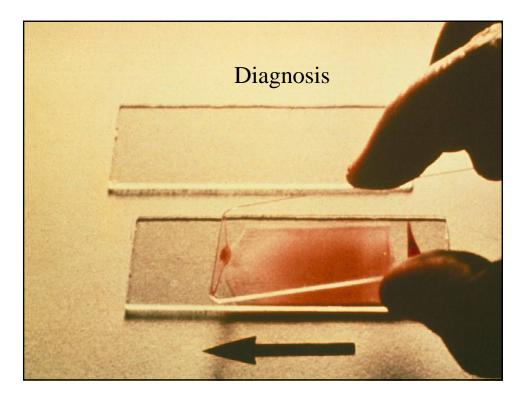


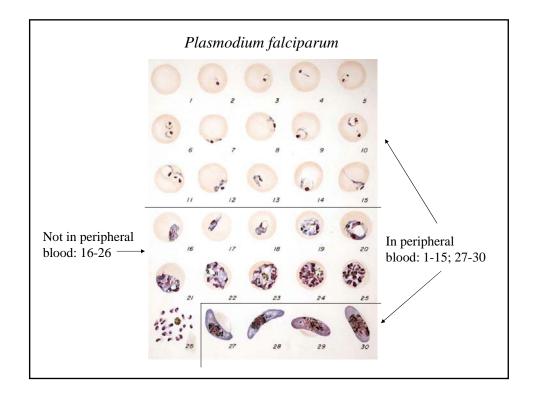


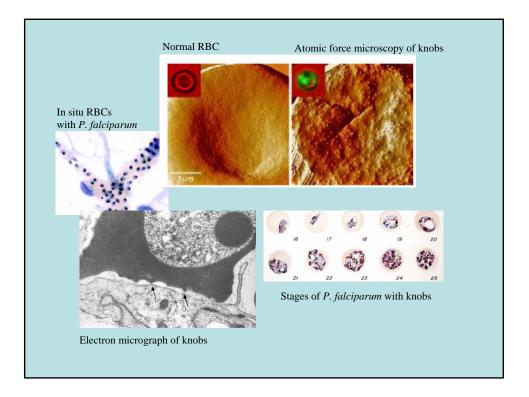


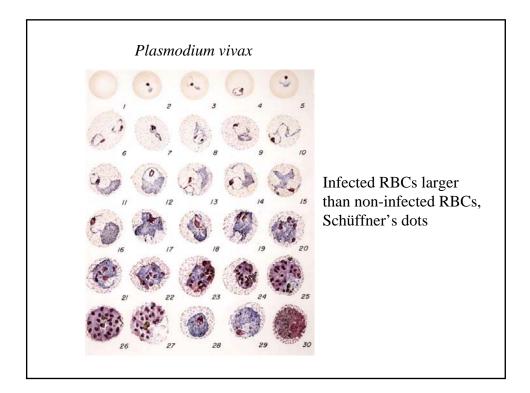


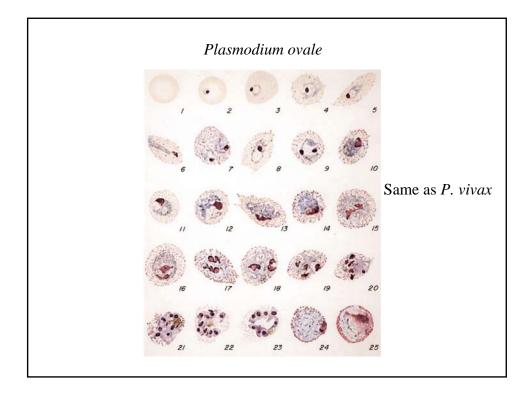


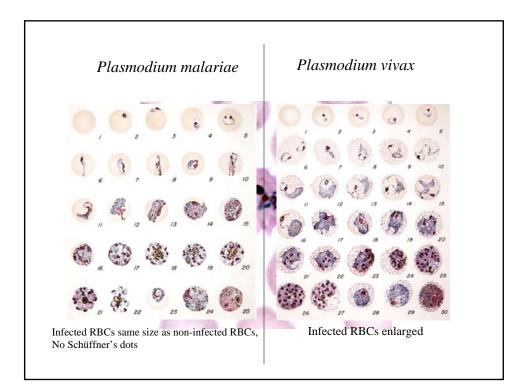


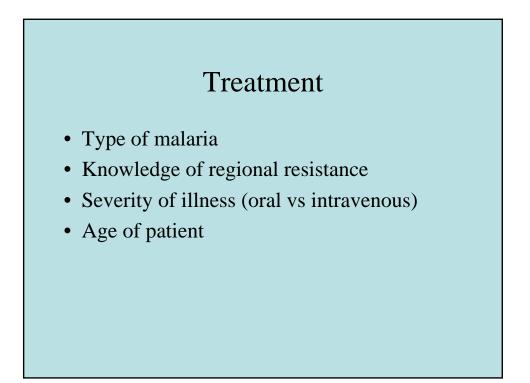


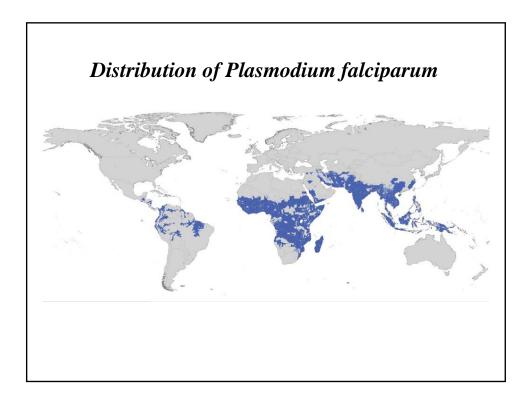


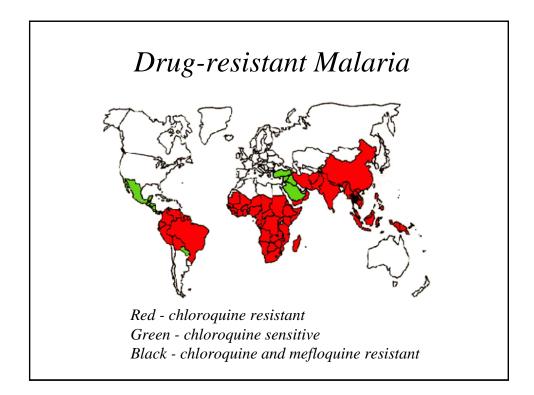


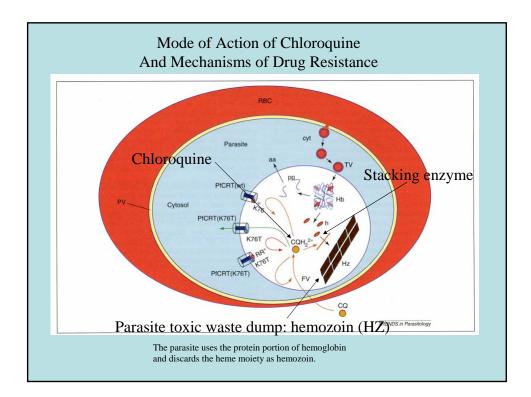


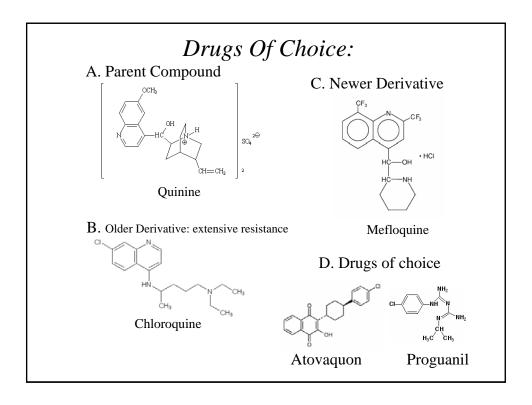


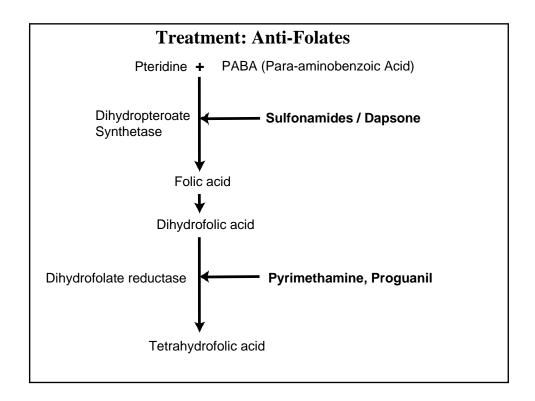


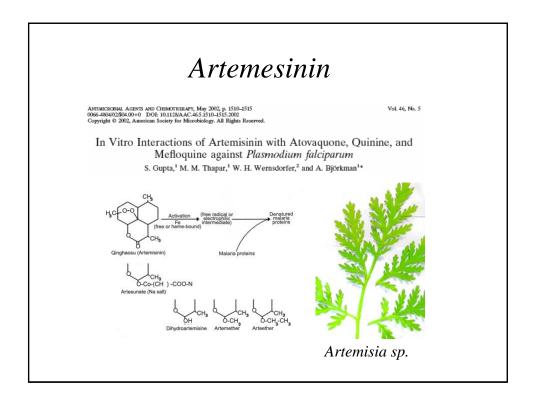




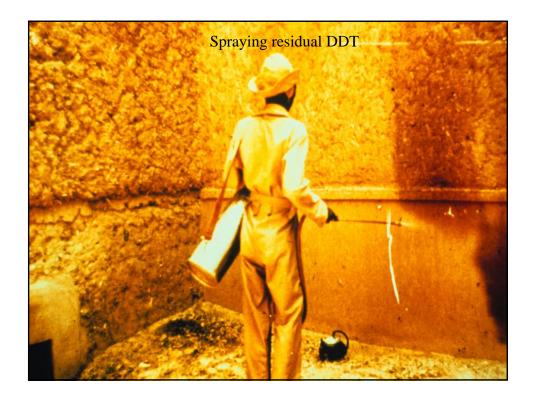






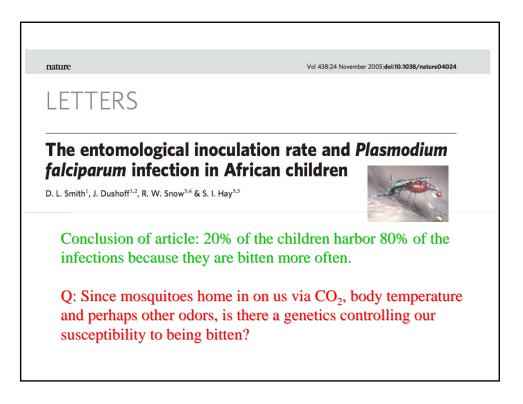






Antimalarial Prophylaxis

- North American travelers lack immunity to malaria
- Risk of acquiring malaria depends on rural travel, altitude, season of travel.
- Highest risk in low lying areas during rainy season
- Personal protection measures against mosquitoes as important as drugs.
- Insect repellants, mosquito nets, clothing covering body
- Antimalarial drugs do not prevent infection and initial liver stage





Types of Preventive Measures: Drugs Prophylaxis with medications based on knowledge of geographic resistance patterns Mefloquine, Doxycycline, Atovaquone-Proguanil Self treatment: Fansidar, Quinine Combination of both: Chloroquine chemoprophylaxis with standby Rx (Not Recommended!) MDR resistance a problem in Thailand, Cambodia and Increasingly E. Africa

