

## 2005 dengue fever data from laboratories in French Polynesia

### Requests

Laboratories in French Polynesia carried out some 464 dengue fever serologies, 385 viral isolations (VI) and 48 PCRs.

### Incidence

For the year as a whole, 50 cases were confirmed by serology and/or by VI or PCR:

- in January : 2 cases confirmed by serology ;
- in February : 2 cases confirmed by serology ;
- in March : 3 cases confirmed by serology and 1 VI or PCR positive case ;
- in April : 1 case confirmed by serology and 1 VI or PCR positive case ;
- in May : 4 cases confirmed by serology (*including 2 that were also PCR or VI +*) and 2 VI or PCR positive cases;
- in June : 3 cases confirmed by serology and 1 VI or PCR positive case ;
- in July : 1 cases confirmed by serology (*also PCR or VI +*) and 2 VI or PCR positive cases ;
- in August : 5 cases confirmed by serology and 1 VI or PCR positive case;
- in September : 4 cases confirmed by serology (*including 1 that was also PCR or VI +*);
- in October : 1 cases confirmed by serology (*also PCR or VI +*);
- in November : 3 cases confirmed by serology (*including 1 that was also PCR or VI +*) and 3 VI or PCR positive cases ;
- in December : 9 cases confirmed by serology (*including 4 that were also PCR or VI +*) and 1 VI or PCR positive case .

### Typing:

- In regard to the 22 patients for whom the virus was isolated (VI or PCR; several VI or PCR tests were conducted on patients with dengue-positive serologies), the serotype was DEN-1.
- No other virus was isolated.

### Comments:

An increase in laboratory-confirmed cases was noted in late 2005 (*exclusively type DEN-1*). This trend heightened in mid-January 2006 (*5 to 10 cases a week*); the weekly number of cases has remained stable since then.

The most affected age group is people aged 25 to 44. Most of the cases are people who have recently arrived in the Territory (*since 2001, the year of the DEN-1 epidemic*). This confirms the endemic nature of dengue fever in French Polynesia.