# aide-memoir

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## Contents



# 1 Méthode de Ellis

$A = 11700(Se11)e(1)$
B = (50e3 + Ae2)e0.5
PO2 = (B + A)e1/3 (B A)e1/3

## 1.1 tests simples spe-ssb - vpn - vpp

### 1.1.1 light(300)

| | |
|---|---|
| Apparent prevalence | 0.82 (0.78, 0.85) |
| True prevalence | 0.83 (0.80, 0.86) |
| Sensitivity | 0.90 (0.87, 0.93) |
| Specificity | 0.60 (0.49, 0.70) |
| Positive predictive value | 0.92 (0.89, 0.94) |
| Negative predictive value | 0.55 (0.45, 0.65) |
| Positive likelihood ratio | 2.25 (1.76, 2.89) |
| Negative likelihood ratio | 0.17 (0.12, 0.23) |

#### 1.1.2 mild(200)

| | |
|---|---|
| Apparent prevalence | 0.82 (0.78, 0.85) |
| True prevalence | 0.49 (0.45, 0.53) |
| Sensitivity | 0.99 (0.97, 1.00) |
| Specificity | 0.35 (0.29, 0.40) |
| Positive predictive value | 0.59 (0.54, 0.63) |
| Negative predictive value | 0.97 (0.92, 0.99) |
| Positive likelihood ratio | 1.51 (1.39, 1.65) |
| Negative likelihood ratio | 0.03 (0.01, 0.10) |

#### 1.1.3 severe (100)

| | |
|---|---|
| Apparent prevalence | 0.82 (0.78, 0.85) |
| True prevalence | 0.09 (0.07, 0.12) |
| Sensitivity | 1.00 (0.90, 1.00) |
| Specificity | 0.20 (0.17, 0.24) |
| Positive predictive value | 0.12 (0.09, 0.15) |
| Negative predictive value | 1.00 (0.95, 1.00) |
| Positive likelihood ratio | 1.25 (1.20, 1.31) |
| Negative likelihood ratio | 0.00 (0.00, NaN) |

## 2 Méthode de Rice

$S/F = 64 + (0.84 \times (P/F))$