

## Tonga

|   |                            |
|---|----------------------------|
| Population  | 102 000                    |
| GNI/capita  | 3 650 US\$                 |
| % urbanization  | 24%                        |
| % people living in cities greater than 100 000 inhabitants  | NA                         |
| Population below the poverty line (national)                | NA                         |
| Population below the poverty line (international, <\$1/day) | NA                         |
| Under age 5 mortality rate                                  | 24/1000 live births (2006) |
| Life expectancy   | 71 years (2006)            |

### Environmental burden of disease for selected risk factors, per year

Estimates based on national exposure and WHO country health statistics 2004

| Risk factor                                    | Exposure                  |      | Deaths /year | DALYs /1000 cap /year |
|--|---------------------------|------|--------------|-----------------------|
| Water, sanitation and hygiene (diarrhoea only) | Improved water:           | 100% | -            | 3                     |
|  | Improved sanitation:      | 96%  |              |                       |
| Indoor air                                     | SFU% households:          | 56%  | -            | 2.2                   |
| Outdoor air                                    | Mean urban PM10: NA ug/m3 |      | NA           | NA                    |
| Main malaria vectors                           | No transmission           |      |              |                       |
| Main other vectors                             | <i>Aedes tongae</i>       |      |              |                       |

### Environmental burden of disease (preliminary), per year

Estimates based on Comparative Risk Assessment, evidence synthesis and expert evaluation for regional exposure and WHO country health statistics 2004

|                   |                                    |     |
|-------------------|------------------------------------|-----|
| DALYs/1000 cap    | (World - lowest: 13, highest: 289) | 29  |
| Deaths            |                                    | 140 |
| % of total burden |                                    | 20% |

### Environmental burden by disease category [DALYs/1000 capita], per year

| Disease group                | World's lowest country rate | Country rate | World's highest country rate |
|------------------------------|-----------------------------|--------------|------------------------------|
| Diarrhoea                    | 0.2                         | 3.6          | 107                          |
| Respiratory infections       | 0.1                         | 2.2          | 71                           |
| Malaria                      | 0.0                         | 0.1          | 34                           |
| Other vector-borne diseases  | 0.0                         | 0.9          | 4.9                          |
| Lung cancer                  | 0.0                         | 0.2          | 2.6                          |
| Other cancers                | 0.3                         | 1.2          | 4.1                          |
| Neuropsychiatric disorders   | 1.4                         | 1.7          | 3.0                          |
| Cardiovascular disease       | 1.4                         | 3.7          | 14                           |
| COPD                         | 0.0                         | 1.7          | 4.6                          |
| Asthma                       | 0.3                         | 0.5          | 2.8                          |
| Musculoskeletal diseases     | 0.5                         | 1.2          | 1.5                          |
| Road traffic injuries        | 0.3                         | 0.8          | 15                           |
| Other unintentional injuries | 0.6                         | 3.0          | 30                           |
| Intentional injuries         | 0.0                         | 0.3          | 7.5                          |

### Other indicators

|                           |    |        |
|---------------------------|----|--------|
| Use of leaded gasoline    | No | (2008) |
| Overcrowding              | NA |        |
| Malnutrition (% stunting) | NA |        |