



A Project of Rotary E-Club Serving Humanity (District 9705, Australia and Worldwide)

Why a Solar Case?

One of the major health care concerns facing women and children/infants in developing nations concerns the incidence of infant and mother mortality. On our doorstep in PNG the risks are very real compared to Australia (Source - <https://knoema.com>):

- 2019 - infant mortality rate - 35.9 deaths per 1,000 live births. (Infant mortality rate is the number of infants dying before reaching one year of age.) **Australia in 2020 - 2.957 deaths per 1000 live births.**
- 2019 - child mortality rate - 44.8 deaths per 1,000 live births. (Under-five mortality rate is the probability per 1,000 that a newborn baby will die before reaching age five.) **Australia - 3.6 deaths per 1,000 live births**
- 2019 - neonatal mortality rate - 21.9 deaths per 1,000 live births. (Neonatal mortality rate is the number of neonates dying before reaching 28 days of age, per 1,000.) **Australia - 2.3 deaths per 1,000 live births.**
- 2017 - maternal mortality ratio - 145 deaths per 100,000 live births. (Maternal mortality ratio is the number of women who die during pregnancy and childbirth.) **Australia - 6 deaths per 100,000.**

According to the World Health Organization's Global Health Workforce Statistics, OECD, PNG has:

- .5 nurses and midwives per 1,000 of population, 2018, compared to Australia with 12.8, 2017; and
- .1 doctors per 1,000 of population, 2018, compared to Australia with 3.7, 2017.

How would Australians cope with or accept these numbers?



The aim of the Rotary Solar Case is to ensure that no child is born into darkness and that both the infant and the mother are given every opportunity to live. The Case is focused on use in remote medical/health clinics where there is either no electricity or where it is at best unreliable.

For more information visit us at <https://rotarysolarcase.weebly.com> or contact us at rotarysolarcase@gmail.com.