# How to use the DALY calculator

https://cevr.shinyapps.io/DALYcalculation/

Which calculation tab applies?

**Calculate DALYs for an individual**

**Calculate DALYs for a population**

## Individual

Select your **disease** of interest by typing in key words and selecting from the drop down menu.

Enter the individual's **age of onset** of the disease.

Enter the individual's **age of premature death** due to the disease.

Optional: To include **discounting**, select the checkbox next to the "Discount rate?" and enter your discount rate.

Optional: To include **age weighting**, select the checkbox next to the "Include age weighting?" and enter your age weighting parameter.

**Calculate!**

## Inputs:

**Disease:**

Begin typing disease...

**Age of onset of disease (years):**

0

**Age of premature death due to disease (years):**

0

**Incident cases (cases/year):**

0

**Incident deaths (deaths/year):**

0

☑ Discount rate?
**Discount rate:**

0.03

☑ Include age weighting?
**Age weighting parameter:**

0.04

Calculate!

## Population

Select your **disease** of interest by typing in key words and selecting from the drop down menu.

Enter the population's **average age of onset** of the disease.

Enter the population's **average age of premature death** due to the disease.

Input the population's number of **incidence cases** (cases per year) of the disease.

Input the population's number of **incidence deaths** (deaths per year) of the disease.

Optional: To include **discounting**, select the checkbox next to the "Discount rate?" and enter your discount rate?

Optional: To include **age weighting**, select the checkbox next to the "Include age weighting?" and enter your age weighting parameter.

**Calculate!**

## Output

**Years of life lost (YLLs):** Years lost due to the disease (mortality)

**Years lived in disease (YLDs):** Quality of life influence by the disease (morbidity)

**Total DALYs:** Total disease burden (YLL + YLD)