QMRA Toolkit - Quick Reference

# Installation

pip install -r requirements.txt

# Basic Commands

List pathogens:

python src/qmra\_toolkit.py list-pathogens

Basic assessment:

python src/qmra\_toolkit.py assess -p norovirus -e primary\_contact -c 10.0

With report:

python src/qmra\_toolkit.py assess -p norovirus -e primary\_contact -c 10.0 --report

Get help:

python src/qmra\_toolkit.py --help

# Available Pathogens

* norovirus (Beta-Poisson model)
* campylobacter (Beta-Poisson model)
* cryptosporidium (Exponential model)

# Exposure Routes

* primary\_contact (recreational water)
* shellfish\_consumption (oysters, mussels, clams)