

## DRINKING WATER QUALITY (RESIDUAL CHLORINE)

Outcome indicator, Output indicator

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### Indicator Phrasing

**English:** % of [select: targeted water points / household water samples] with free residual chlorine between 0.2 and 0.5 mg/l

**French:** % de [sélectionner: points d'eau cibles/ échantillons d'eau domestique] contenant de 0.2 à 0.5 mg de chlore résiduel libre par litre

**Portuguese:** % de [selecione: pontos de água-alvo / amostras de água de agregados familiares] com cloro livre residual entre 0.2 e 0.5 mg/l

**Czech:** % [určete: cílových vodních zdrojů / vzorků vody domácností] s přítomností volného chloru v hodnotách od 0.2 do 0.5 mg/l

### What is its purpose?

This indicator measures if disinfection of the drinking water is correctly implemented at the source level or at household level.

### How to Collect and Analyse the Required Data

1) Consult your WASH advisor and/or relevant WASH authorities on how to measure free residual chlorine (FRC) using a pool tester.

2) Ensure that the water samples are collected from all targeted water points or from a [representative sample](#) of households.

3) Calculate the indicator's value by dividing the number of targeted water points / household water samples with the correct level of FRC by the total number of assessed water samples. Multiply the result by 100.

### Important Comments

1) Measuring FRC is cheaper and faster than measuring faecal contamination but is **only applicable when drinking water is disinfected** either at the water source or by the household itself (with aquatabs or other similar reagent).

2) At the source level, this indicator will give a sense of the quality of the water committees' work. At

household level, this indicator assesses the correct usage of the reagent.

## Access Additional Guidance

- WHO (2011) [Guidelines for Drinking-Water Quality](#)
- [Global WASH Cluster](#)

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