

Activities to reach national targets under PWH  
program area 2.1 in Norway:

# Strengthen water-related disease surveillance and outbreak response

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# Activities to reach national targets under PWH program area 2.1 in Norway

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- Waterborne outbreak surveillance system
- National Waterworks Crisis Support Team
- Activities to increase evidence-base for safe drinking water

# Web-based outbreak surveillance system

- New system for outbreak surveillance
    - integrated in national crisis management system
  - Accessible for
    - Local, regional and national health authorities
    - Food safety authorities
    - Hospitals
  - All outbreaks in Norway reported and registered in the same system
  - All outbreaks:
    - 150-200 outbreaks/ year ; 1- 5 WBO)
- Identify common contributing factors

The screenshot shows a web browser window displaying the 'Vesuv utbruddsvarsling' (Vesuv outbreak reporting) system. The interface is in Norwegian and features a dark blue sidebar with navigation options like 'KRISEHÅNDTERING', 'MÅLMODUL', 'TÅL ER', 'KONTAKTER', 'PLANVERK', 'KOMMUNIKASJON', 'ADMINISTRASJON', 'VANNTAKTA', 'Logg ut', 'Opplysning', and 'Vesuv'. The main content area is titled 'Registrer utbrudd' (Report outbreak) and contains a form for entering outbreak details. The form includes fields for 'Titel' (Title), 'Land' (Country), 'Kommune' (Municipality), 'Type utbrudd' (Type of outbreak), 'Innsendingsdato' (Reporting date), 'Er utbruddet over?' (Is the outbreak over?), 'Symptomer og smitte' (Symptoms and transmission), and 'Tidspunkt og utvidning' (Time and expansion). The form is currently empty, and a message at the top states: 'Denne siden fylles ut ved første registrering av et utbrudd og omfatter bare obligatoriske felt i valset: Når denne delen er fylt ut og registrert, kan du gå videre og fylle ut mer informasjon. Du kan når som helst gå inn og oppdatere med ny informasjon. Ved register vises Felter merket med \* er påkrevet for å fullføre skjemaet' (This page is filled out at the first registration of an outbreak and covers only mandatory fields in the selection: When this part is filled out and registered, you can go on and fill out more information. You can at any time go in and update with new information. Fields marked with \* are required to complete the form).

# National Waterworks Crisis Support Team



- Started in 2017, administered by NIPH
- 24/7 advisory service for waterworks for acute events that may impact on water supply and may cause health-related problems (microbiological, chemical, mechanical)
- Senior experts from waterworks and NPHI;
  - expertise within drinking water hygiene, preparedness, water supply, toxicology, epidemiology, microbiology and risk communication.
- Assist by phone or in the field



NASJONAL VANNVAKT

# Activities to increase evidence-base for safe drinking water



- **Drinking water study:**
  - National survey to study association between drinking water and gastrointestinal illness in Norway (Q1 2018-Q1 2019)
  - Collaboration with ~ 300 waterworks
- **Breaks and maintenance work** on distribution system; assess safety measures, routines and illness
- **Water and climate study:** assess association between extreme precipitation, water quality and illness
- **Compliance of boil water advisories** and perception of risks

Thank you!