

## PD, HSMI and CMS in Norway

2023 - An overview

Hilde Sindre/Senior Researcher, WOAH expert SAV/Section Research Fish Health



#### PD in Norway - the beginning:



#### PD in Norway - spreading:





PD in Norway - at present:

58 cases in 2023, compared to 158 back in 2020. 7 of these were from rainbow trout. Significant decrease in later years, especially for SAV3-cases.



SAV3-CASES 2007-2023



#### SAV2-CASES 2007-2023





#### PD – in the PD-free zone, autumn 2023:

- A total of 4 cases (september to desember)
- PD restriction zone implemented
- Control/erradication measures:
- No transfer of new fish to sea
- Slaughering at infected sites
- Coordinated fallowing
- Cleaning/disinfection of equipment
- Avoid transport through the zone

#### Decrease in SAV cases - why?

Possible contributing factors:

- Earlÿ detection through screening
- Preventive measures
  - Vaccination
  - Increased focus on biosecurity
- Coordinated fallowing
- Other operational and environmental factors











A vaccine is prescribed for both general and PD cases and is counted under both "General" and "PD\_inactivated"

IllustrationTrishang Udwani, Fiskehelserapporten 2023 © Veterinærinstituttet

### HSMI (A. salm)

PRV-1:

Frequently detected in both hatcheries and sea water sites (A.salm) along the Norwegian coast

Development into HSMI is influenced by stress and health status In 2023 HSMI diagnosis was given at NVI for fish from 40g (hatcheries ) and 130g – 6kg at sea.



## HSMI-like (RT)

PRV-3: Detected in both hatcheries and sea water sites in the western part of Norway from 2017

PRV-3 detected at 9 sites in 2023 (10 in 2022) in PA 3 and 4

Only1 diagnosis of HSMI-like disease

## HSMI:

### 184 cases of HSMI in 2023 (147 in 2022, 188 in 2021)



Questback – most important health problems in salmon - marine phase







# Summary:

- Decrease in SAV/PD-cases continues in 2023
- Status quo for CMS and HSMI
- Both CMS and HSMI are considered larger problems for salmon production at sea compared to PD

#### Thank you for your attention!



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