

Trends in the Diagnosis of PD, HSMI & CMS in Scotland:

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VIRAL MYOPATHIES IN SCOTLAND

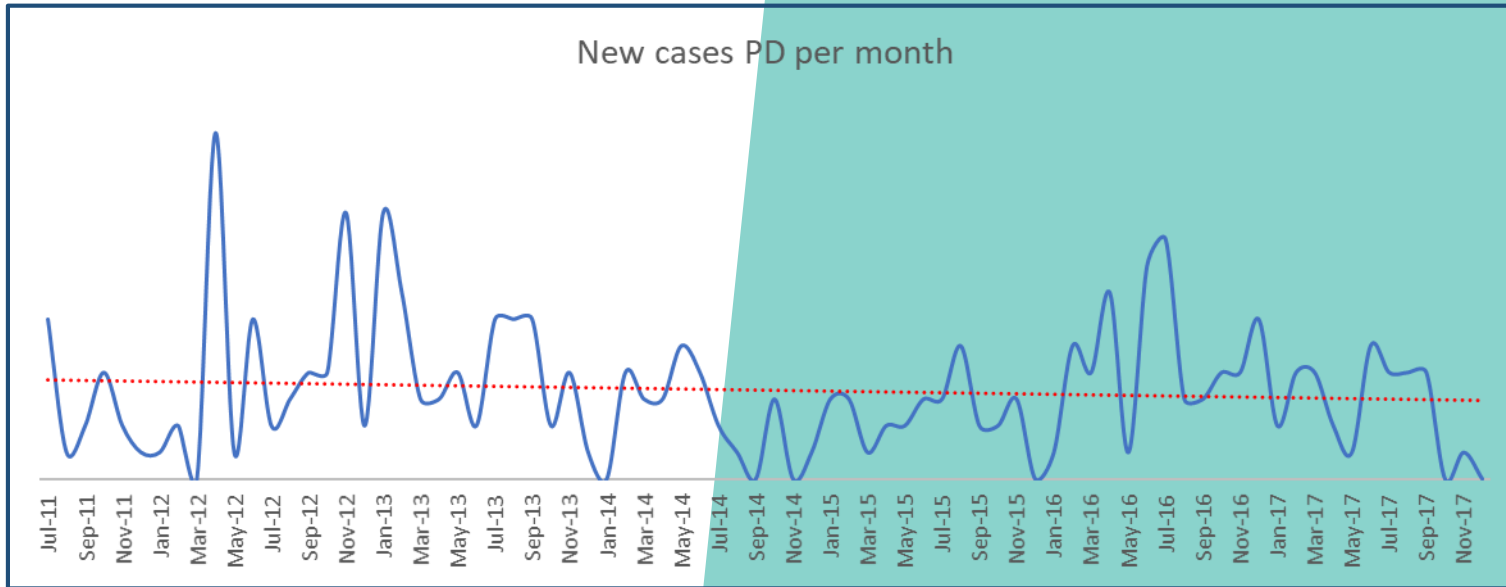
Viral myopathies still pose a significant loss to salmon industry in Scotland

- Direct mortality and morbidity
- Reduced resilience to other health challenges
- Reduced growth performance
- ? flesh quality implications

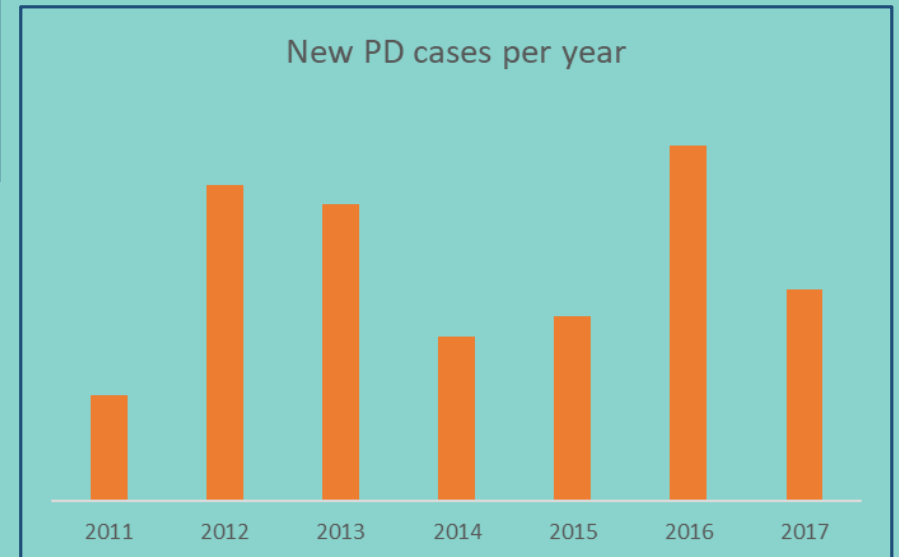
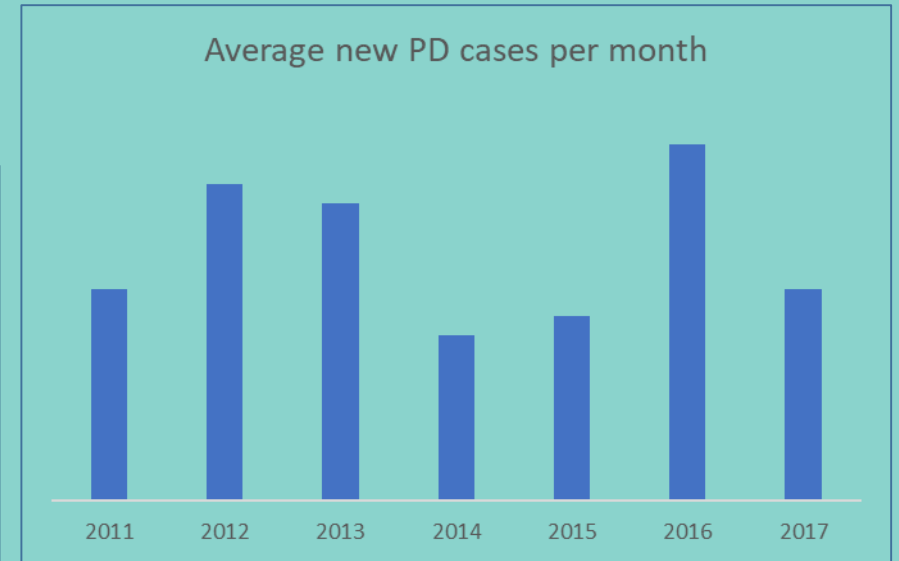
INCIDENCE OF VIRAL MYOPATHIES IN SCOTLAND

- None of these diseases are notifiable in Scotland.
- ~220 active marine salmon sites in Scotland.
- FVG database of observed pathology collected since 2011.
- Contains data on the incidence but not the severity of viral myopathies.
- Concurrent and similar pathologies occasionally make single diagnosis difficult
- Caution needed with interpretation of trends

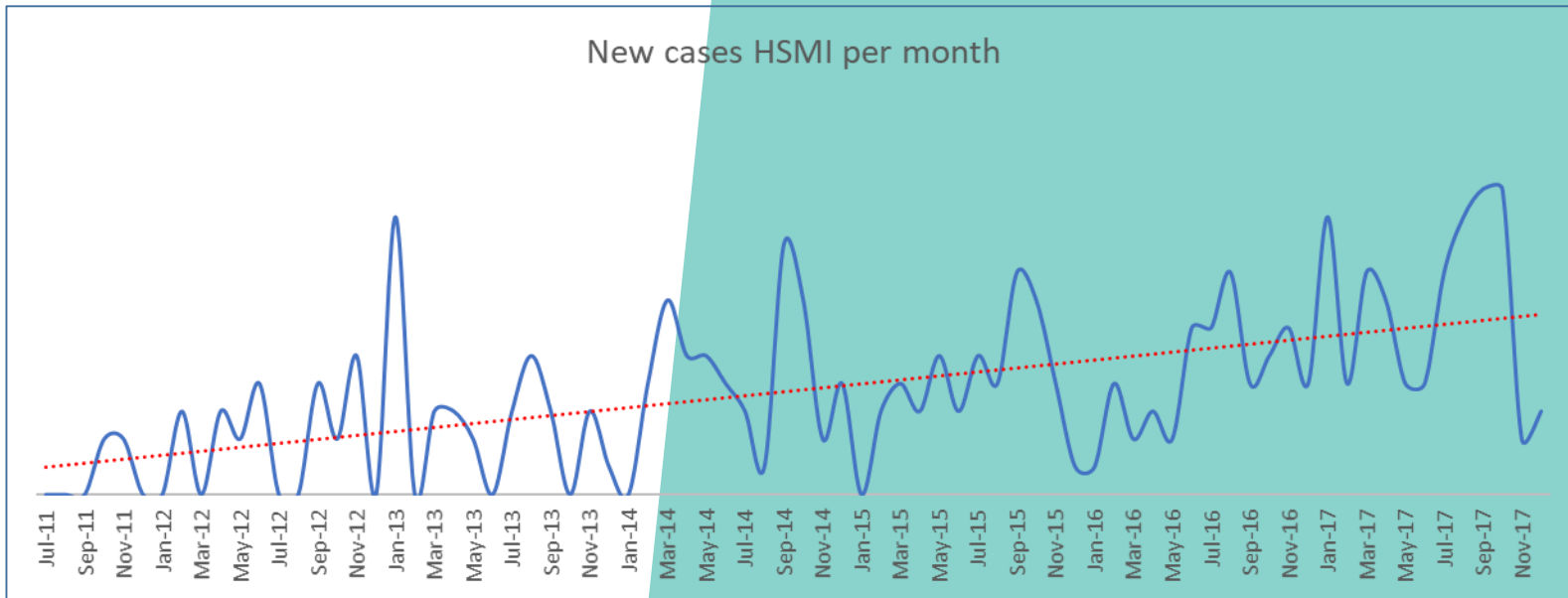
PANCREAS DISEASE IN ATLANTIC SALMON



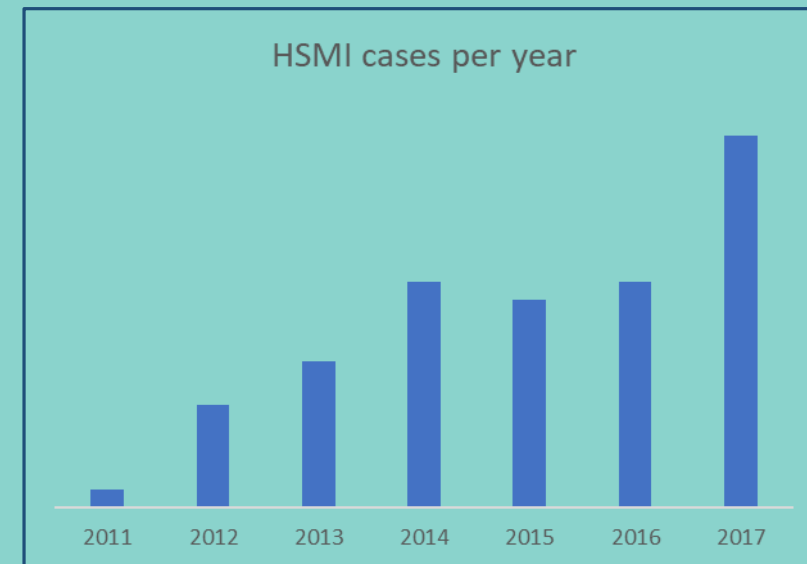
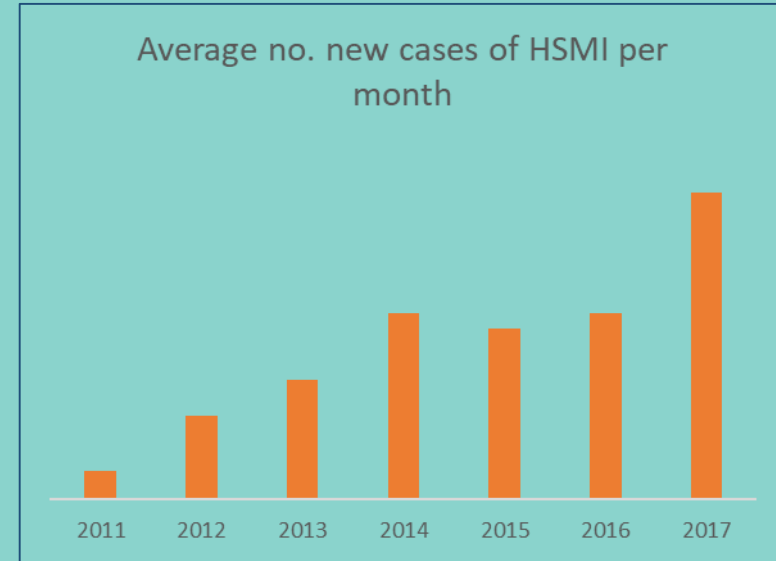
July 2011 to Nov 2017

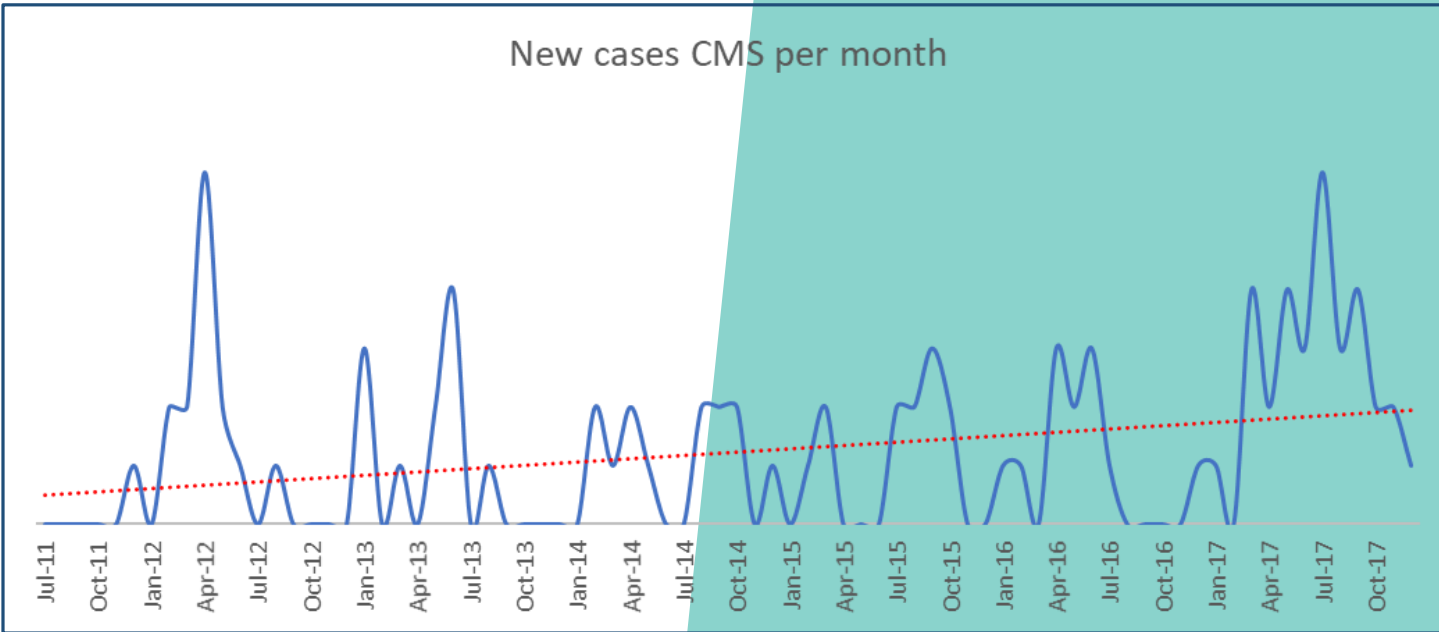


HSMI

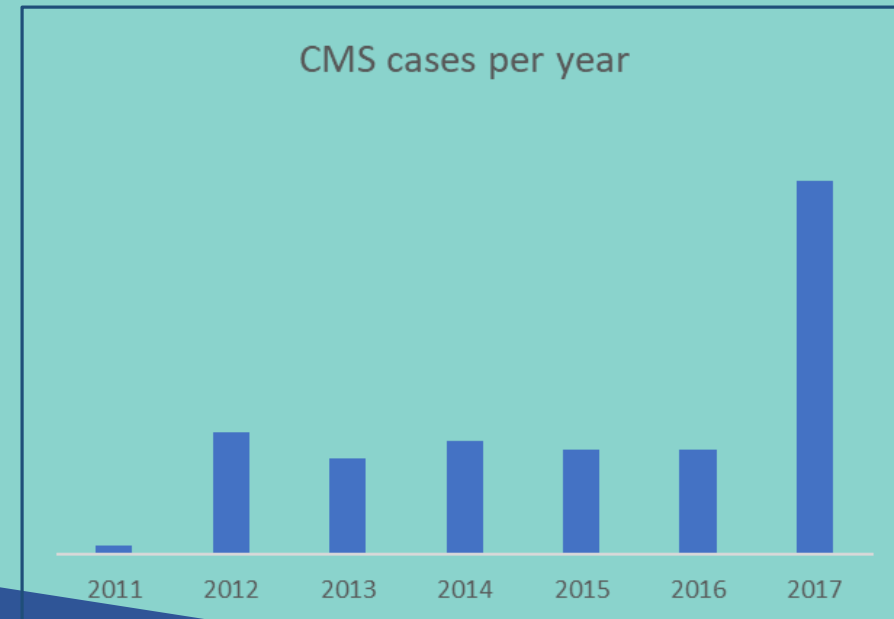
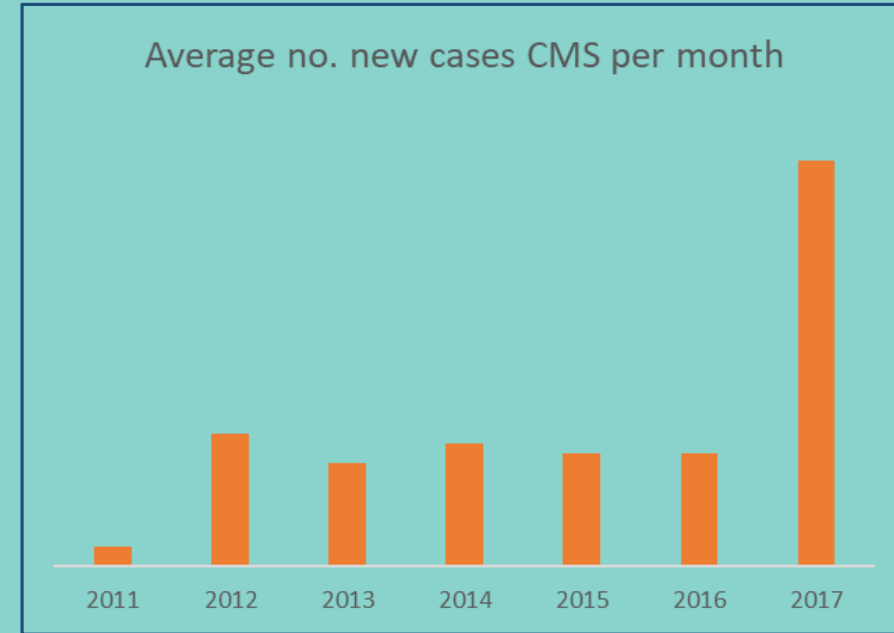


July 2011 to Nov 2017





July 2011 to Nov 2017



CURRENT VIRAL MYOPATHY TRENDS IN SCOTLAND

Number of PD cases in Scotland declined in 2017.

Number of HSMI cases increased but many subclinical with very mild pathology.

Dramatic and worrying rise in CMS cases and it is occurring in smaller fish.

No accurate information of the impact of any of these diseases.

More information on impact held by individual salmon companies.

More to be done to fully understand the impact of these diseases and available control measures.