Crowd-sourcing soft intelligence for disease surveillance

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Objective

To monitor medicine usage across Republic of Ireland over time (2017-2019).
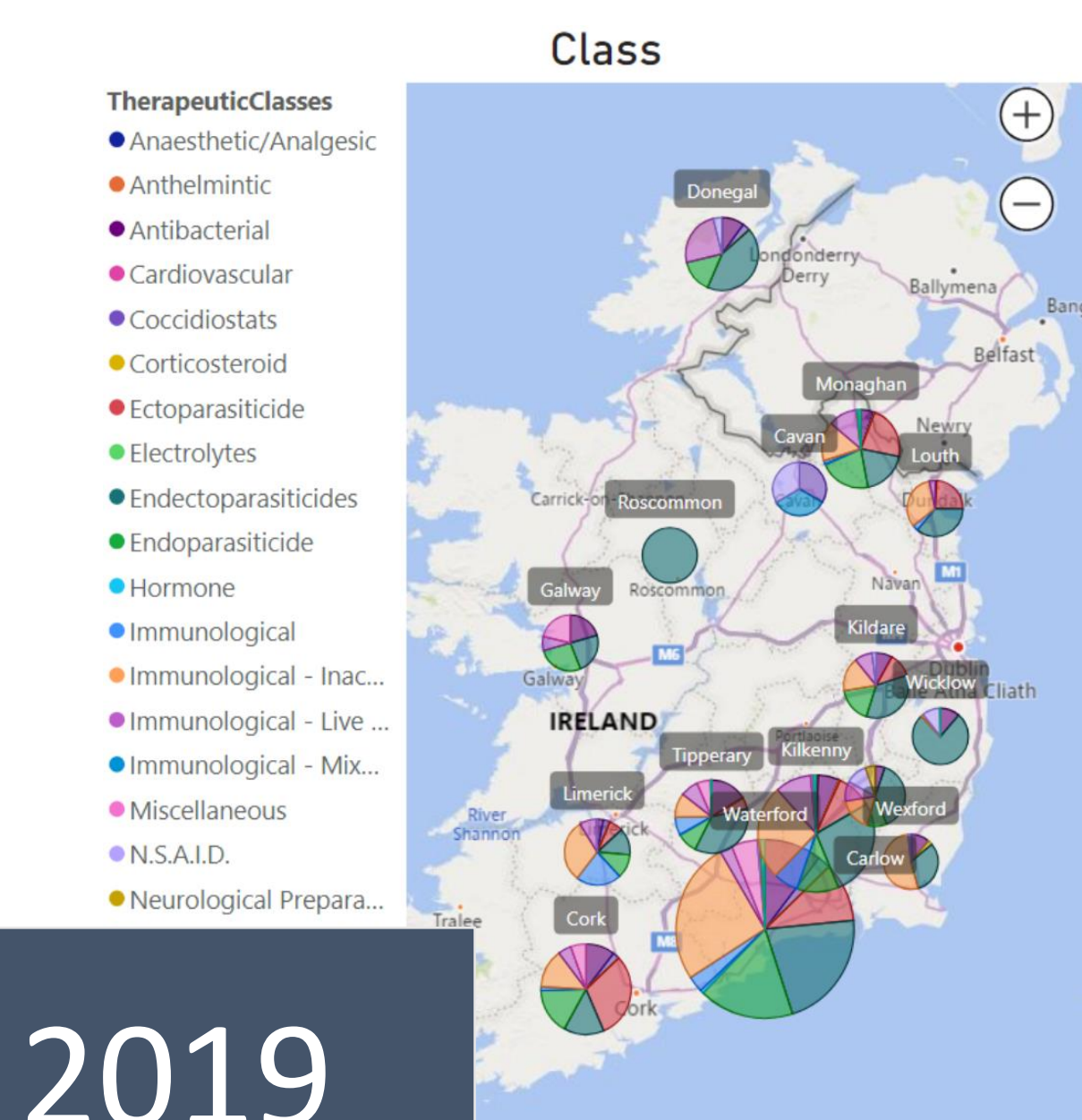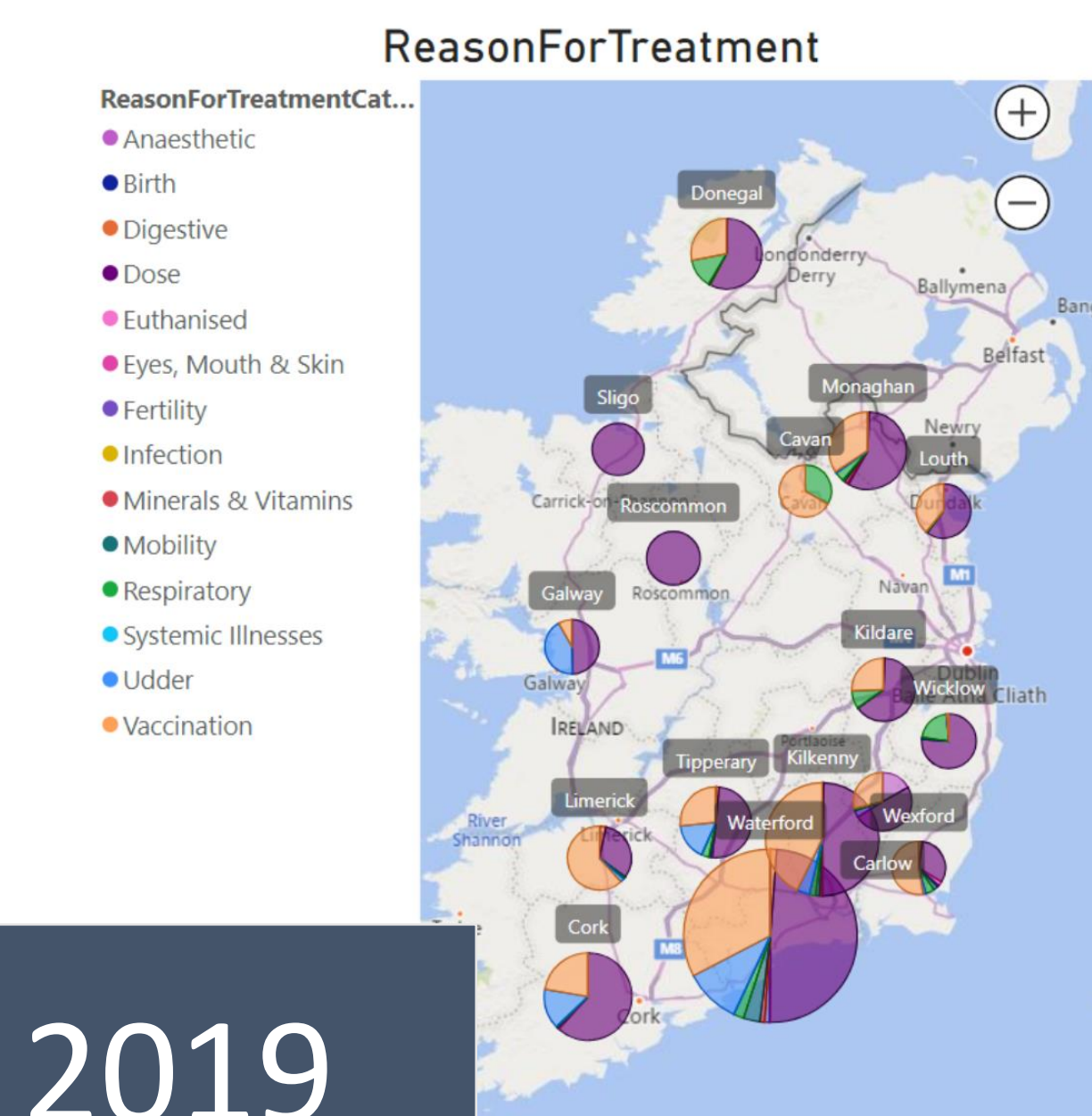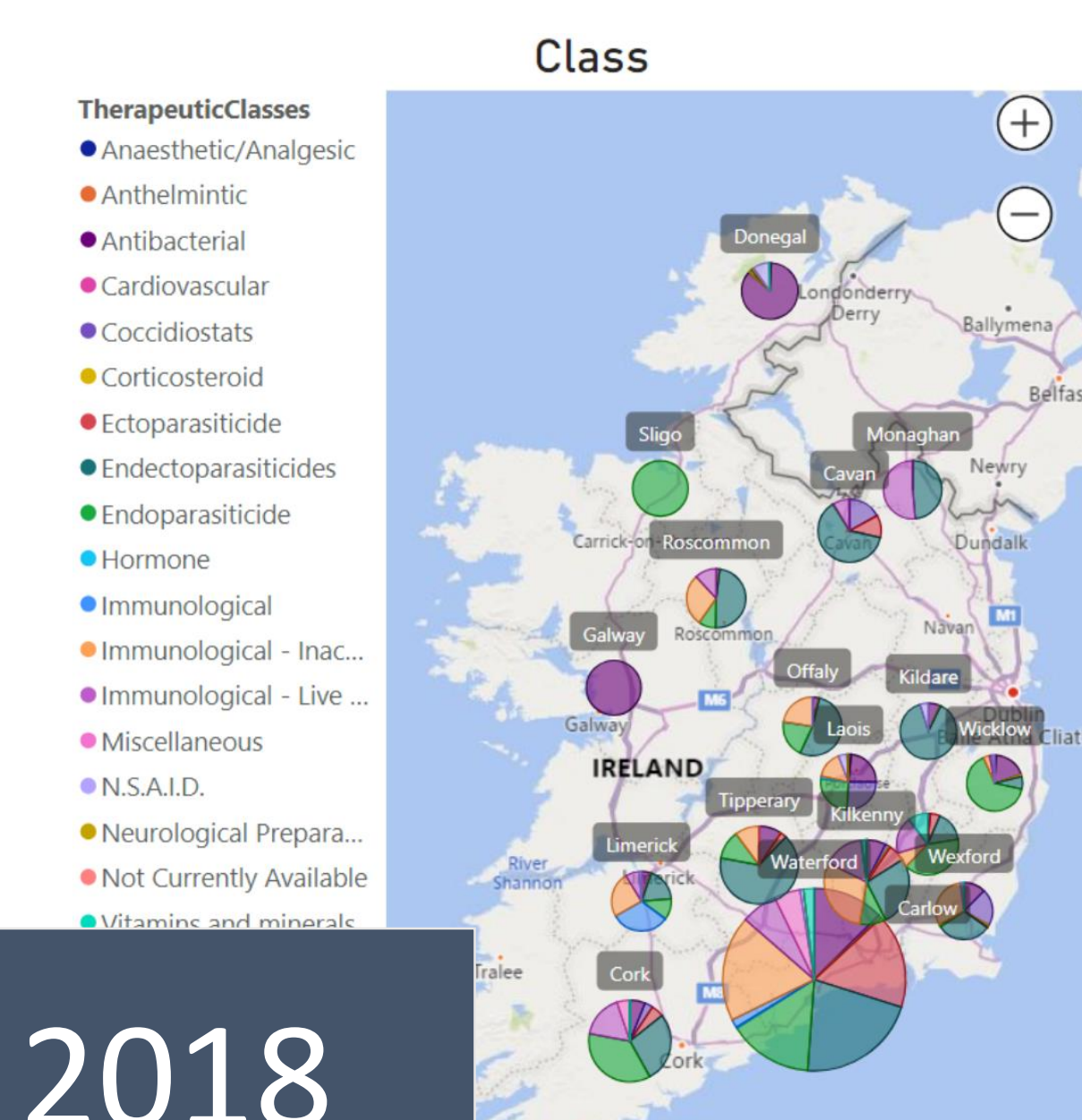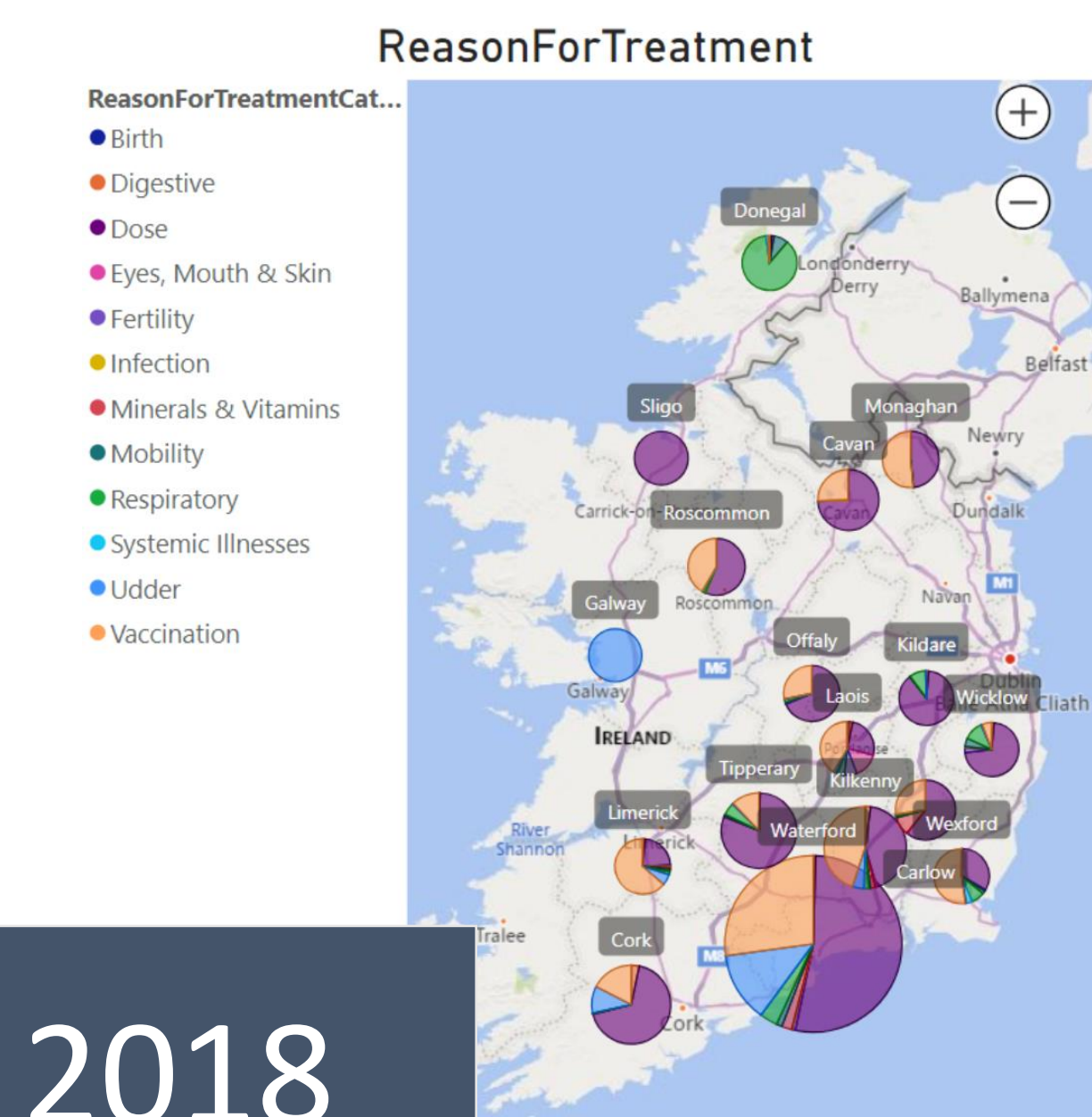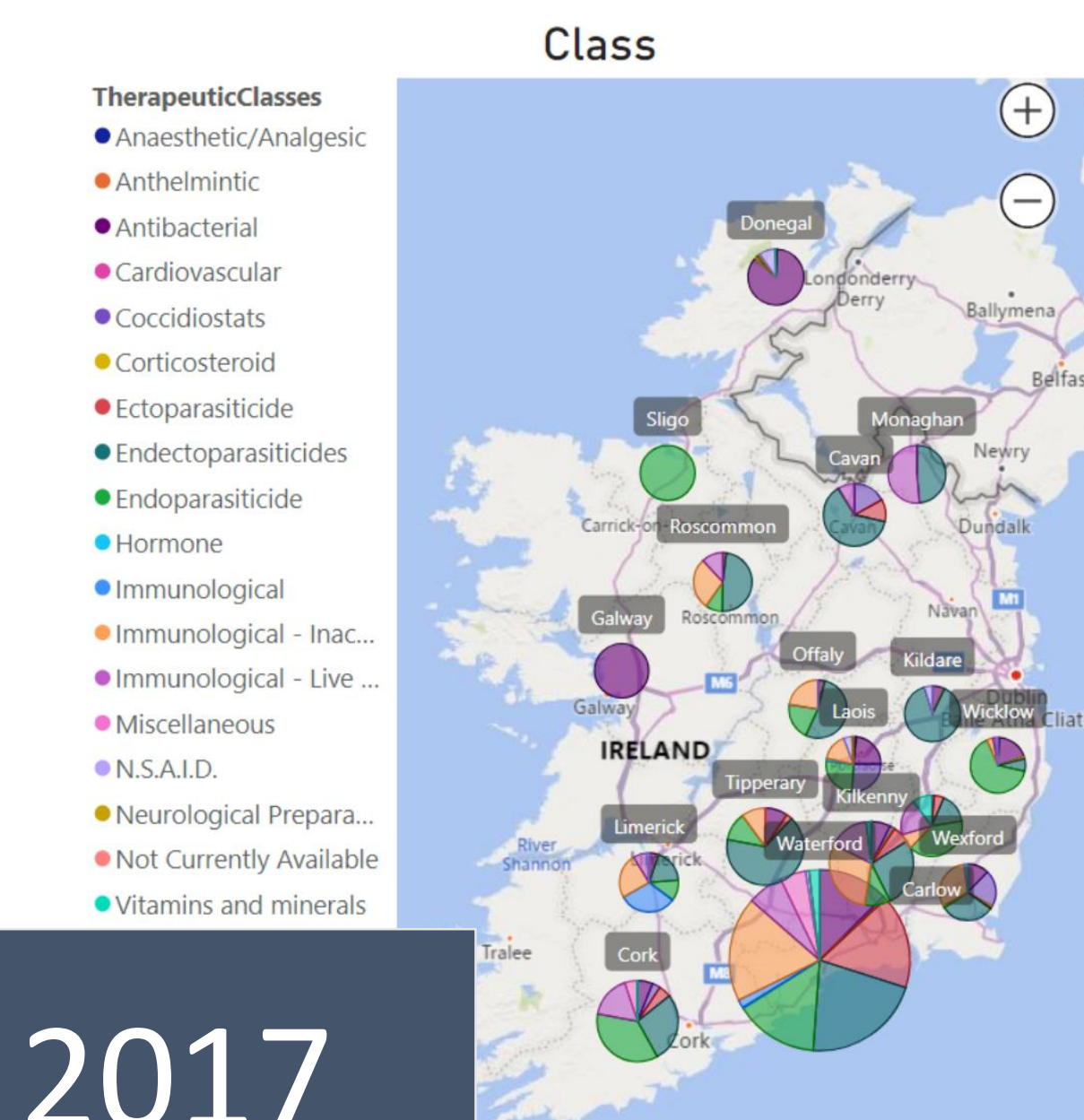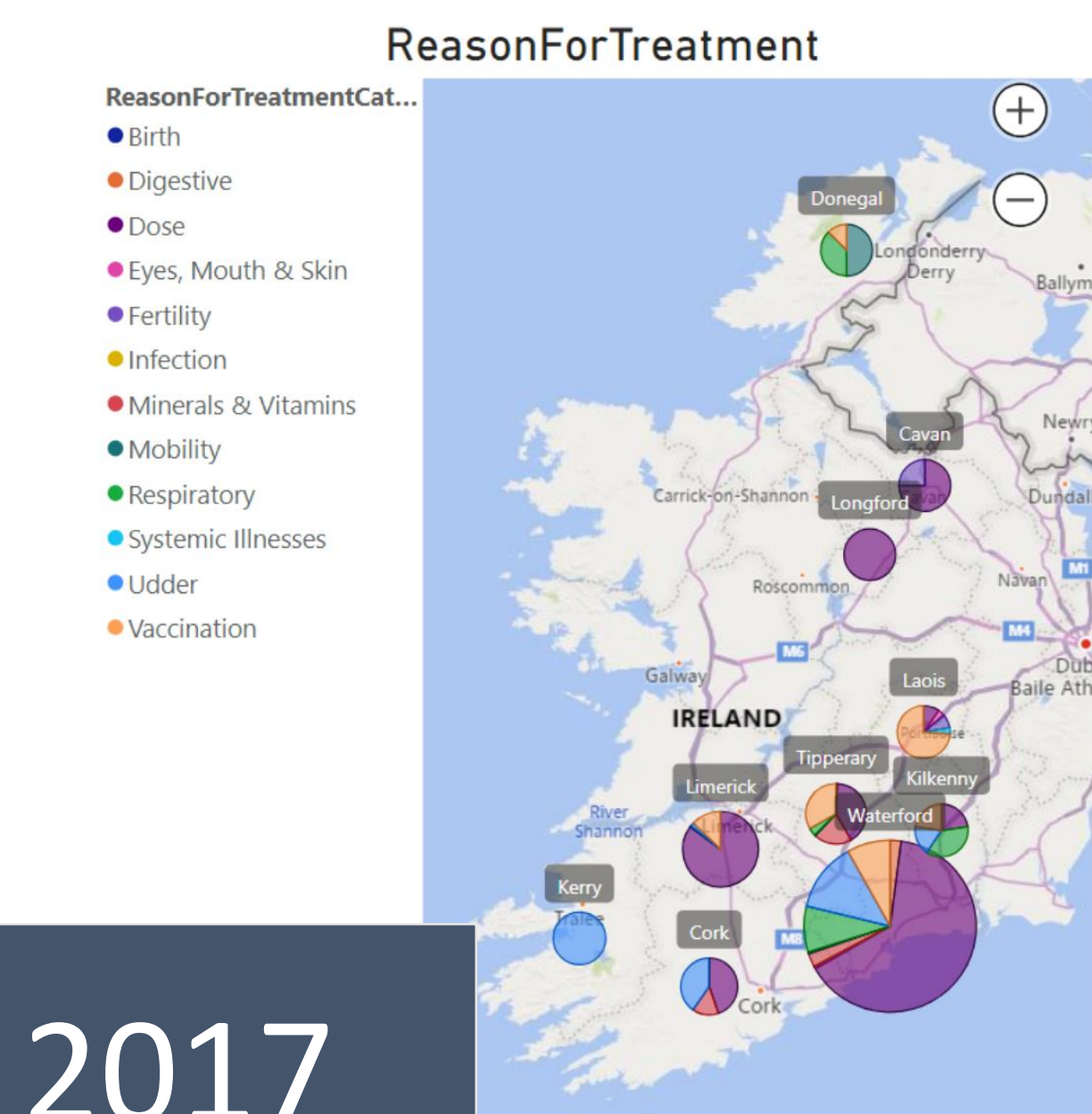
The trends are monitored by:

- Reason (disease)
- Therapeutic Class of medicines that are used in treatment.

Analysis & Results

Spread: Ireland; Duration: 3 years; Size: No. of animals affected

Reason for Treatment

2017

2018

2019

Therapeutic Class for drugs used

2017
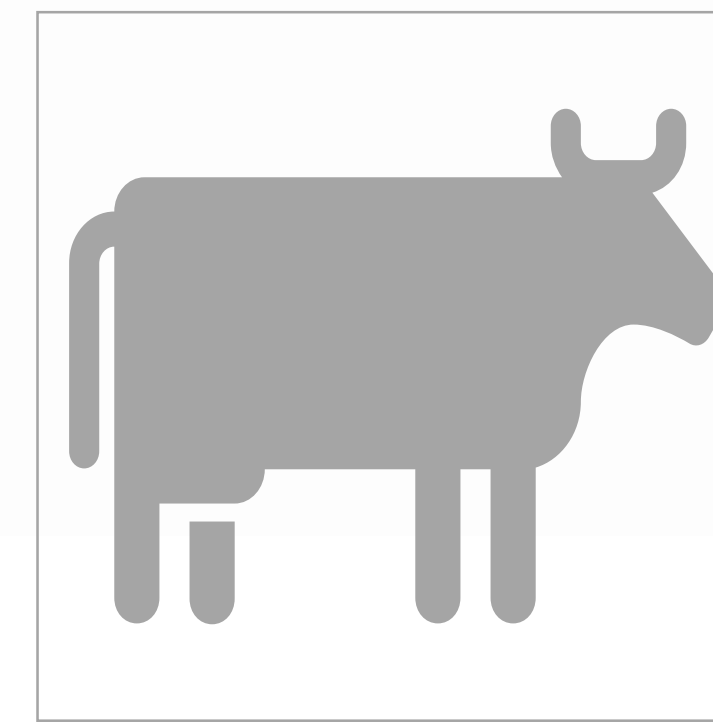

2018

2019

Collection

- Time
- Effort
- Relationship

Granular

- Animal Tag
- Medicine
- Reason

Domain Expertise

- Therapeutic Classes
- Quantifiable Usage Indices
- Closing the feedback loop

Data Collection and Curation

Conclusion

Control with Intervention & Engagement

Treatment history to individual animal

Reporting as a feedback mechanism

Quantifiable Usage Indices e.g.

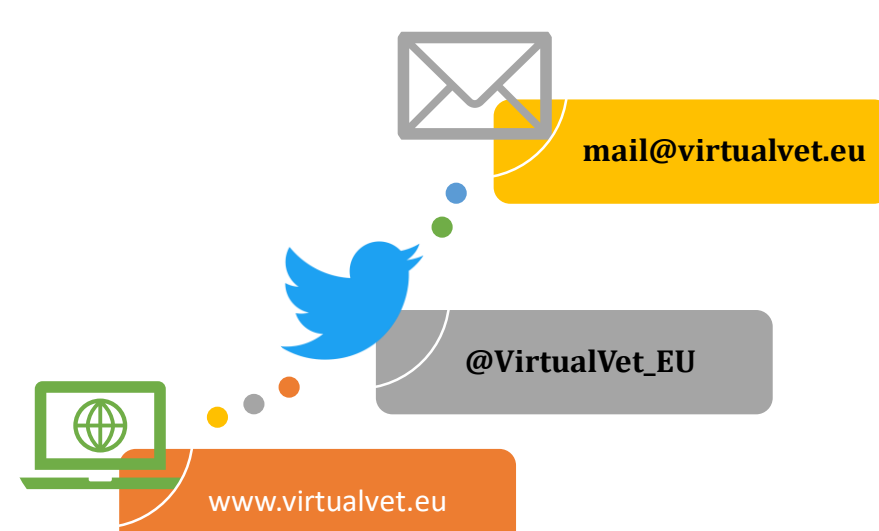| Animal Profile	
Age	6 yrs old
Breed	Friesian
Gender	Female
PCU	425 kg

Antimicrobial Usage Index for this animal from data recorded over 3 years:

78.5 mg / kg

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WWW.SVEPM2020.IE

VirtualVet is a veterinary medicine usage data surveillance software service that works with all stakeholders across the food supply chain ecosystem

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