



Animal &  
Plant Health  
Agency

# Bovine TB in cattle: badger control areas monitoring report

**For the period 2013 – 2018**

**September 2019**



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The Animal and Plant Health Agency (APHA) is an executive agency of the Department for Environment, Food & Rural Affairs, and also works on behalf of the Scottish Government and Welsh Government.

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# Introduction

The badger control policy was implemented in England to reduce the population of badgers where bovine tuberculosis (TB) is endemic. The aim is to reduce the potential for transmission of *Mycobacterium bovis*, the bacterium that causes TB, between badgers and cattle, and therefore cause a subsequent reduction in the incidence of TB in cattle. The policy is based upon evidence generated by the Randomised Badger Culling Trial (RBCT) conducted in England between 1998 and 2005. This trial indicated that the incidence of confirmed TB in cattle could be reduced by 23.2% (95% CI: 12.4% to 32.7%) over a four year period if badger culling was performed systematically over large areas and sustained for at least four years<sup>1</sup>. Culling badgers was found to be associated with both reductions in TB incidence in cattle in the cull areas which were sustained for an average of 2.5 years post-culling and transitory increases in TB incidence in the surrounding 2 km buffers<sup>2</sup>.

The current badger control policy includes the licencing of industry-led badger culling<sup>3</sup> from 2013 and provision of biosecurity advice to farmers in licenced areas since 2014. From April 2017 where badger control operations have been completed for a minimum of two years, mandatory interferon-gamma testing was introduced in addition to tuberculin skin testing. In 2013, two licences were issued under the Protection of Badgers Act 1992 to groups of farmers and landowners in Gloucestershire and Somerset. A further licence was issued in Dorset in 2015. In 2016 a further seven licences were issued. Since then the policy has expanded and at the time of writing this report, includes a total of 31 areas across the High Risk and Edge Areas of England and one in the Low Risk Area.

APHA is commissioned by Defra to monitor the incidence of TB in cattle in the areas that have been issued licences for badger control. To address this requirement APHA publishes monitoring results showing the frequency of TB infection in cattle herds in the badger control areas. In addition, APHA undertakes multivariable analyses to measure any association between badger control and cattle TB incidence by comparing TB incidence in areas subject to badger control to TB incidence in areas not subject to the badger control policy and controlling for differences between the areas which are related to the risk of TB<sup>4</sup>.

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<sup>1</sup> Donnelly C.A., Wei G., Johnston W.T., Cox D.R., Woodroffe R., Bourne F.J., Cheeseman C.L., Clifton-Hadley R.S., Gettinby G., Gilks P., Jenkins H.E., Le Fevre A.M., McInerney J.P., Morrison W.I. (2007) Impacts of widespread badger culling on cattle tuberculosis: concluding analyses from a large-scale field trial. *Int J Infect Dis.* 11(4):300-8.

<sup>2</sup> Jenkins H.E., Woodroffe R., Donnelly C.A. (2010) The duration of the effects of repeated widespread badger culling on cattle tuberculosis following the cessation of culling. *PLoS ONE* 5(2): e9090. doi:10.1371/journal.pone.0009090.

<sup>3</sup> <https://www.gov.uk/government/publications/guidance-to-natural-england-preventing-spread-of-bovine-tb>

<sup>4</sup> Brunton L.A., Donnelly C.A., O'Connor H., Prosser A., Ashfield A., Ashton A., Upton P., Mitchell A., Goodchild A.V., Parry J.E., Downs S.H (2017) Assessing the effects of the first two years of industry-led badger culling in England on the incidence of bovine tuberculosis in cattle in 2013-15. *Ecology and Evolution* 7(18):7213-30 <http://onlinelibrary.wiley.com/doi/10.1002/ece3.3254/full>

## Purpose of this report

This report provides the annual TB monitoring data and results for each of the badger control licenced areas and their buffer areas up to the end of 2018. New badger control areas will be included in subsequent reports once they have at least one year of follow-up data available. The report shows temporal changes in Officially Tuberculosis Free – withdrawn (OTF-W) incidence and OTF-W prevalence in badger control areas but these data alone cannot demonstrate whether the badger control policy is effective in reducing bovine TB in cattle. Evaluation of the effect of the badger control policy requires consideration of other factors that could affect cattle TB incidence in addition to culling, which is the purpose of the multivariable analyses. A follow-up to the initial evaluation of the association of badger control and cattle TB incidence by Brunton *et al.*, has been undertaken and is accepted for publication in the scientific press at the time of writing<sup>5</sup>.

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<sup>5</sup> Downs S.H., Prosser A., Ashton A., Brunton L.A., Brouwer A., Upton P., Robertson A., Donnelly C.A., Parry J.E. (In press) Assessing effects from four years of industry-led badger culling in England on the incidence of bovine tuberculosis in cattle, 2013-2017. Nature Scientific Reports.

# Monitoring Methods

## Data source and quality

TB data for the report are extracted from Sam, the APHA surveillance database that records the results from TB tests conducted in cattle herds throughout Great Britain. These data are continually, updated and corrected over time<sup>6</sup>. Data errors corrected after validation exercises can affect the counts of incidents, numbers of herds and the calculated time at risk. These corrections will be revealed in small differences in statistics between annual reports. Each newly published report provides the most accurate data for new and historical data at the time of writing.

## Badger control areas

### *Central areas*

This is the area which is licenced by Natural England for badger control operations. These areas are defined and provided by Natural England and remain broadly stable<sup>7</sup> over time.

### *Buffer areas*

Buffer areas are 2 km wide un-culled areas that immediately surround a central area licenced for culling. They are defined by the APHA project team using the central area boundary information provided by Natural England. Two features of buffers are important for interpreting their statistics:

1. Differences in the land available for buffers between licenced areas: the completeness of a 2 km wide buffer area can vary between areas at baseline (defined below) dependent on proximity to other existing licenced areas and the sea.
2. Changes over time: the proportion of buffer area (and herds within it) that can be included in the analyses for the monitoring report can decrease as new areas are licenced for badger control that overlap land that was previously assigned to a buffer.

Buffer area differences and changes over time (defined in the table below) are reported for each of the licensed badger control buffer areas. As the size of buffer decreases and the number of herds in the buffer decreases, the annual statistics reported for the buffer will change. Each annual report provides monitoring results since baseline for the area of land defined by the most recent boundaries for each buffer.

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<sup>6</sup> Corrections may include a revision to a herd geographical location or change of a herd breakdowns from an OTF-S to an OTF-W designation because of new confirmatory information about the presence of *M. bovis* infection or capping of time of risk where a herd recorded as in existence on Sam has no TB tests recorded.

<sup>7</sup> The boundaries are supplied to APHA by Natural England. There have been small edits to some boundaries over time, with herd numbers adjusted accordingly. The APHA has no control over the location of boundaries and estimates levels of TB based on the most up-to-date information available for boundaries at the time of each annual report.

## Buffer area changes table

<b>% 2 km buffer area available at start</b>	<p>This shows how much of a complete 2 km buffer area was available on the baseline date for each area. This can be less than 100% for two reasons</p> <ol style="list-style-type: none"><li>1. Central areas are coastally located and only part of the 2km buffer area falls on land.</li><li>2. The identified buffer area overlaps an existing badger control area and therefore herds in the overlap area are central area herds for that area and cannot remain as buffer herds.</li></ol>
<b>% of original buffer area available</b>	<p>This shows how much of the buffer area which was available at the start remains for monitoring over the time periods. It shows whether there has been any loss of area from the buffer due to the creation of new adjacent badger control areas.</p> <p>In future years, some buffer areas may be too small to warrant further monitoring and this will be apparent in this table.</p> <p>Only those herds which remain as buffer area herds in the current time period are included in the current and retrospective monitoring data provided. That means that annual reports may refer to a reducing group of herds in the buffers to some areas and results are not always comparable between years.</p>

## Time period

### *The baseline date*

Each area has an identified baseline date. This is the date of the start of the first cull in the particular area.

## Monitoring herd groups

### *Cohort*

Central and buffer cohort groups of herds are identified based on the herd location map reference data as it was recorded on the baseline date. Over time some of the herds in the cohort become inactive and are lost to follow-up. This means that the number of herds in the cohort can decrease between years. The number cannot, by definition, increase.

The herds reported on in this group **were all in existence on the baseline date** and therefore have been exposed to badger control operations for the full follow-up period and until they are archived.

### *Herds in Existence*

The herds in existence group for the central area is an annual snapshot of active herds that fall within the central area based on the herd location map reference data as recorded at that time of the snapshot (not historic herd location map reference data, which are not readily available).

This annual count of herds recognises that there are new herds that come into existence, after the baseline data or existed prior to the baseline date. In the data tables these are identified as herds in existence (HIE).

The herds reported on in this group **were not all in existence on the baseline date** and therefore have not been exposed to badger control operations for the full follow-up period. The results for the buffer areas focus only on the cohort herds and not the HIE.

<b>TF-W Incidence Table</b>	
<b>New breakdowns - All</b>	The total number of new Officially Tuberculosis Free – withdrawn (OTF-W) plus Officially Tuberculosis Free – suspended (OTF-S) breakdowns experienced during the time period. Both OTF-W and OTF-S breakdowns are new incidents of TB in a herd that have been disclosed by field testing or slaughterhouse surveillance but in OTF-W breakdowns, <i>M. bovis</i> infection has been confirmed through post-mortem tests in at least one animal from the herd.
<b>New breakdowns - OTF-W</b>	The total number of new OTF-W breakdowns experienced during the time period.
<b>Herds</b>	The number of herds active in the area in each group (described above) at the start of each period.
<b>Time at risk (TAR)</b>	The total period of time the herds in that area (above) were considered at risk of TB infection. Herds are considered to be at risk of infection when they are not under trading restrictions because of TB infection (i.e. a breakdown) in the herd <sup>8</sup> . The TAR in the tables is reported in years.

<sup>8</sup> Downs S.H, Clifton-Hadley R.S, Upton P.A, Milne I.C, Ely E.R, Gopal R, Goodchild A.V, Sayers A.R. (2013). Tuberculin manufacturing source and breakdown incidence rate of bovine tuberculosis in British cattle, 2005-2009. *Veterinary Record*. 172(4):98

<sup>9</sup> Explanation for the calculation of incidence rate provided by the National Statistics [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/483724/bovinetb-herdmethod-09dec15.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/483724/bovinetb-herdmethod-09dec15.pdf)

<p><b>OTF-W incidence rate</b></p>	<p>The incidence rate is the rate of occurrence of new breakdowns.</p> <p>The incidence of OTF-W breakdowns is used as the primary outcome for monitoring rather than total TB incidence because the RBCT showed an association between OTF-W incidence and culling. The incidence rate is calculated as the number of breakdowns per 100 herd years at risk. This is the number of new OTF-W breakdowns detected in the area during the time period of interest divided by time at risk times 100. The rate is also used in the National Statistics for bovine TB<sup>9</sup>.</p>
<p><b>95% confidence interval</b></p>	<p>The lower and upper confidence limits of a 95% confidence interval for the calculated OTF-W incidence rate are given.</p> <p>If data were collected and the 95% confidence interval were calculated independently multiple times, we would expect the true OTF-W incidence rate to be found within 95% of these confidence intervals.</p> <p>This calculated interval gives an indication of the level of uncertainty around the estimate of OTF-W incidence rate.</p>
<p><b>Skin reactors</b></p>	<p>Reactors to Single Intradermal Comparative Cervical Tuberculin test which is a diagnostic test measuring an animal's reaction to injection(s) of tuberculin carried out in line with Council Directive 64/432/EEC. Also known as the SICCT test. The reactors in this group do not include any animals identified as "Dangerous Contacts".</p>
<p><b>IFN gamma reactors</b></p>	<p>Reactors only to Interferon (IFN) gamma assay which is a rapid (24-hour) whole blood in-vitro assay to detect immune response to <i>M. bovis</i> infection for the diagnosis of bovine TB. Any reactors to both SICCT and IFN gamma assay counted only in the Skin reactors group.</p>
<p><b>Accompanying figure</b></p>	<p>This graph shows the OTF-W incidence rate for the groups of interest for the periods before and after the baseline date for each area. The 95% confidence intervals from those estimates are also shown.</p>

OTF-W Prevalence Table	
<b>Herds under restriction – All</b>	The number of herds under TB-related trading restrictions for any breakdown on the last day of the reporting period.
<b>Herds under restriction - OTF-W</b>	The number of herds under trading restrictions due to an OTF-W breakdown on the last day of the reporting period.
<b>Herds</b>	The number of herds in existence in the area at the end of each period.
<b>OTF-W prevalence</b>	<p>This is a <b>point prevalence</b> estimate indicating the proportion of herds with an OTF-W breakdown on a particular date. It provides an indication of the burden of disease in an area.</p> <p>OTF-W prevalence is calculated as the number of herds under trading restrictions on the last date of each period due to an OTF-W breakdown per 100 herds in existence on the same date.</p>
<b>95% confidence interval</b>	<p>The lower and upper confidence limits of a 95% confidence interval for the calculated OTF-W prevalence are given. If data were collected and the 95% confidence interval were calculated independently multiple times, we would expect the true OTF-W prevalence to be found within 95% of these confidence intervals.</p> <p>This calculated interval gives an indication of the level of uncertainty around the estimate of OTF-W prevalence.</p>
<b>Accompanying figure</b>	<p>This graph shows the OTF-W prevalence for the groups of interest for the periods before and after the baseline date for each area. The 95% confidence intervals from those estimates are also shown.</p>

## Individual area monitoring data

The following pages provide the data described for each of the licenced badger control central and buffer areas.

## Area 01- Gloucestershire central

### OTF-W Incidence

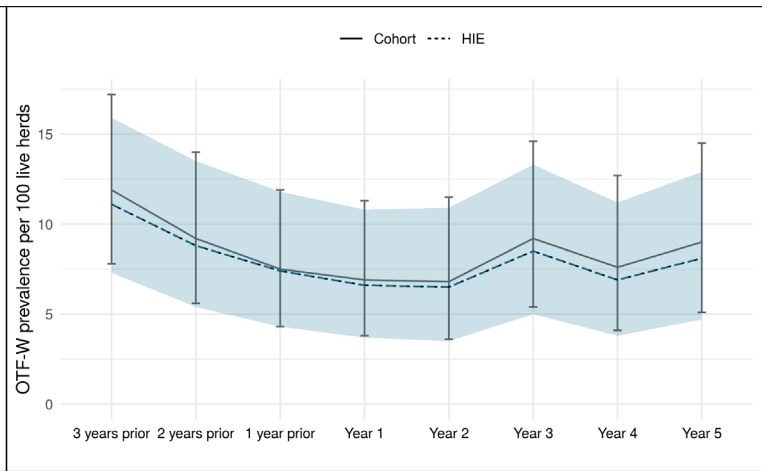
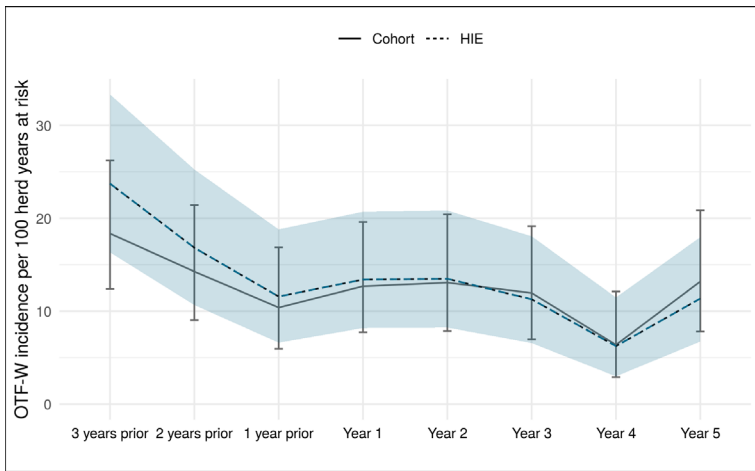
		New breakdowns				95% confidence interval		Reactors		
Area	Year	All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	41	30	199	163.3	18.4	12.4	26.2	203	0
	2 years prior	31	23	202	161.2	14.3	9.0	21.4	232	0
	1 year prior	18	16	207	154.0	10.4	5.9	16.9	184	0
	Year 1	29	20	214	157.6	12.7	7.8	19.6	173	0
	Year 2	24	19	202	145.3	13.1	7.9	20.4	133	0
	Year 3	23	17	177	142.1	12.0	7.0	19.1	83	0
	Year 4	16	9	173	140.9	6.4	2.9	12.1	95	0
	Year 5	22	18	170	136.4	13.2	7.8	20.9	76	168
HIE	3 years prior	44	33	234	139.1	23.7	16.3	33.3	203	0
	2 years prior	31	23	226	136.7	16.8	10.7	25.3	224	0
	1 year prior	18	16	215	138.2	11.6	6.6	18.8	184	0
	Year 1	29	20	216	149.1	13.4	8.2	20.7	173	0
	Year 2	25	20	211	148.2	13.5	8.2	20.8	133	0
	Year 3	23	17	200	150.6	11.3	6.6	18.1	83	0
	Year 4	18	10	200	160.2	6.2	3.0	11.5	101	0
	Year 5	22	18	204	158.3	11.4	6.7	18.0	76	168

### OTF-W Prevalence

		Herds under restriction			95% confidence interval			
Area	Year	All	OTF-W	Herds	OTF-W prevalence	Lower	Upper	
Cohort	3 years prior	27	24	202		11.9	7.8	17.2
	2 years prior	21	19	207		9.2	5.6	14.0
	1 year prior	17	16	214		7.5	4.3	11.9
	Year 1	17	14	203		6.9	3.8	11.3
	Year 2	14	12	177		6.8	3.6	11.5
	Year 3	18	16	173		9.2	5.4	14.6
	Year 4	17	13	170		7.6	4.1	12.7
	Year 5	17	15	166		9.0	5.1	14.5
HIE	3 years prior	28	25	226		11.1	7.3	15.9
	2 years prior	21	19	215		8.8	5.4	13.5
	1 year prior	17	16	216		7.4	4.3	11.8
	Year 1	17	14	212		6.6	3.7	10.8
	Year 2	15	13	200		6.5	3.5	10.9
	Year 3	19	17	200		8.5	5.0	13.3
	Year 4	18	14	204		6.9	3.8	11.2
	Year 5	18	16	197		8.1	4.7	12.9



# Area 01 - Gloucestershire central



## Area 01 - Gloucestershire buffer

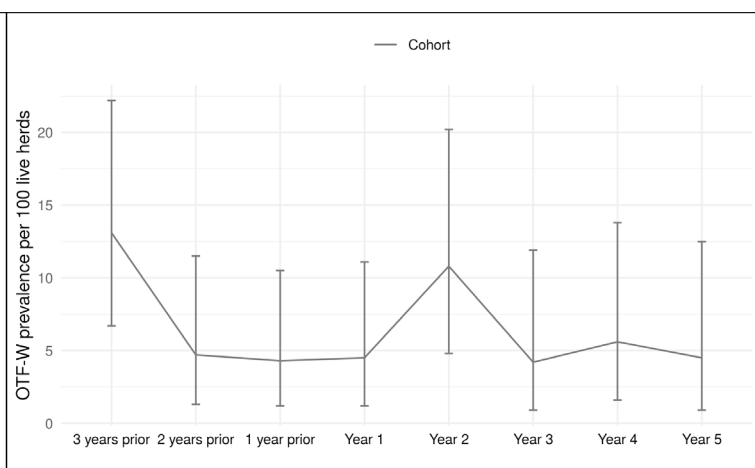
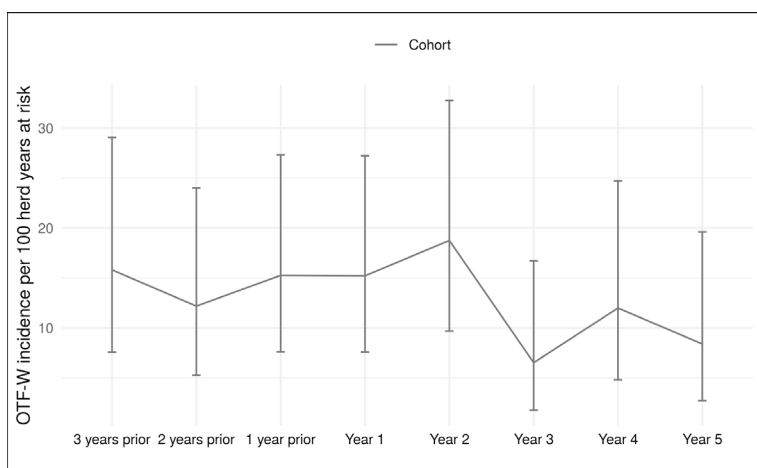
Area name	% 2km buffer area available at start	% of original buffer area available				
		Year 1	Year 2	Year 3	Year 4	Year 5
Area 01-Gloucestershire	100	100	100	100	71	71

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	13	10	82	63.3	15.8	7.6	29.1	136	0
	2 years prior	11	8	84	65.7	12.2	5.3	24.0	106	0
	1 year prior	17	11	86	72.1	15.3	7.6	27.3	57	0
	Year 1	15	11	94	72.3	15.2	7.6	27.2	92	0
	Year 2	17	12	89	64.0	18.7	9.7	32.7	75	0
	Year 3	9	4	74	61.3	6.5	1.8	16.7	20	0
	Year 4	13	7	71	58.4	12.0	4.8	24.7	95	0
	Year 5	7	5	71	59.5	8.4	2.7	19.6	26	0

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	11	11	84	13.1	6.7	22.2
	2 years prior	5	4	86	4.7	1.3	11.5
	1 year prior	8	4	94	4.3	1.2	10.5
	Year 1	6	4	89	4.5	1.2	11.1
	Year 2	11	8	74	10.8	4.8	20.2
	Year 3	5	3	71	4.2	0.9	11.9
	Year 4	8	4	71	5.6	1.6	13.8
	Year 5	5	3	67	4.5	0.9	12.5



## Area 02 - Somerset central

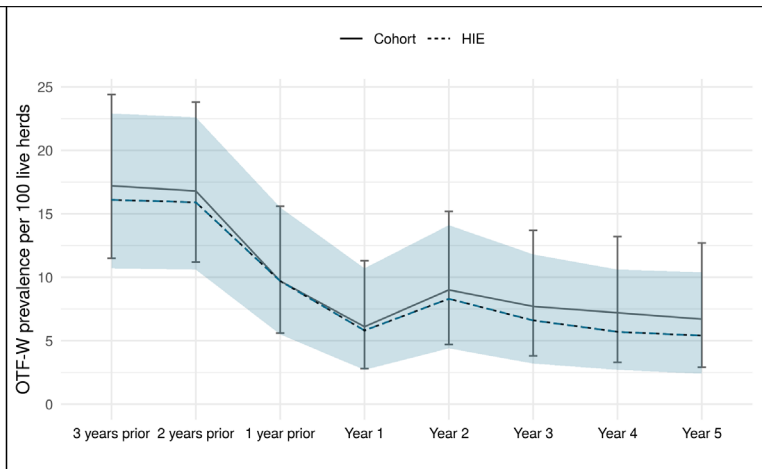
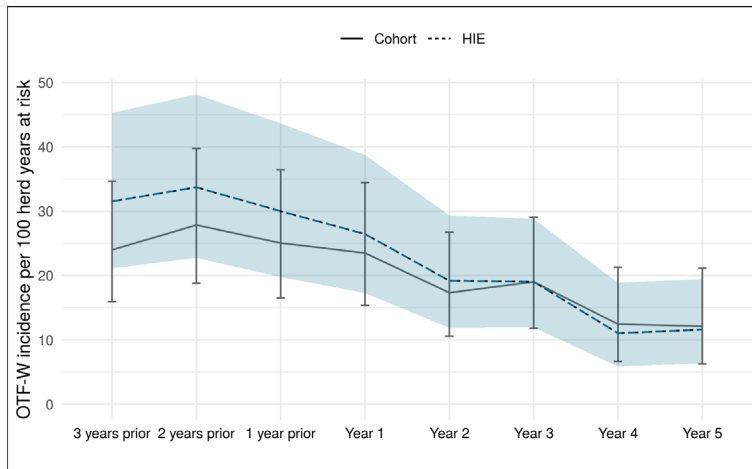
### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	34	28	136	116.8	24.0	15.9	34.7	203	0
	2 years prior	42	30	145	107.7	27.8	18.8	39.8	253	0
	1 year prior	30	27	149	107.8	25.0	16.5	36.4	219	0
	Year 1	29	26	154	110.6	23.5	15.4	34.4	189	0
	Year 2	23	20	147	115.5	17.3	10.6	26.7	144	0
	Year 3	27	21	133	110.5	19.0	11.8	29.1	131	0
	Year 4	16	13	130	104.5	12.4	6.6	21.3	90	0
	Year 5	17	12	125	99.1	12.1	6.3	21.1	80	130
HIE	3 years prior	35	29	154	92.0	31.5	21.1	45.3	196	0
	2 years prior	42	30	155	89.0	33.7	22.8	48.1	253	0
	1 year prior	30	27	157	90.0	30.0	19.8	43.6	219	0
	Year 1	30	26	155	98.3	26.4	17.3	38.7	190	0
	Year 2	24	21	156	109.4	19.2	11.9	29.3	146	0
	Year 3	29	22	144	115.6	19.0	11.9	28.8	133	0
	Year 4	16	13	152	117.8	11.0	5.9	18.9	90	0
	Year 5	19	14	157	120.8	11.6	6.3	19.4	105	137

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	27	25	145	17.2	11.5	24.4
	2 years prior	32	25	149	16.8	11.2	23.8
	1 year prior	17	15	154	9.7	5.6	15.6
	Year 1	10	9	147	6.1	2.8	11.3
	Year 2	14	12	133	9.0	4.7	15.2
	Year 3	14	10	130	7.7	3.8	13.7
	Year 4	11	9	125	7.2	3.3	13.2
	Year 5	10	8	120	6.7	2.9	12.7
HIE	3 years prior	27	25	155	16.1	10.7	22.9
	2 years prior	32	25	157	15.9	10.6	22.6
	1 year prior	17	15	155	9.7	5.5	15.5
	Year 1	10	9	156	5.8	2.7	10.7
	Year 2	14	12	144	8.3	4.4	14.1
	Year 3	15	10	152	6.6	3.2	11.8
	Year 4	11	9	157	5.7	2.7	10.6
	Year 5	10	8	147	5.4	2.4	10.4

## Area 02 - Somerset central



## Area 02 - Somerset buffer

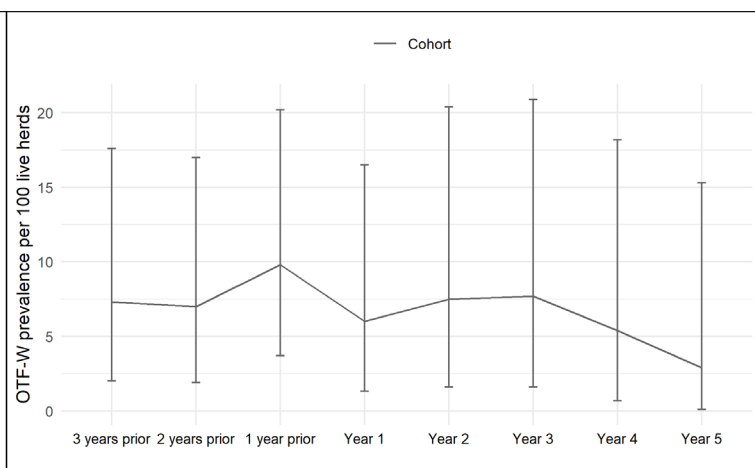
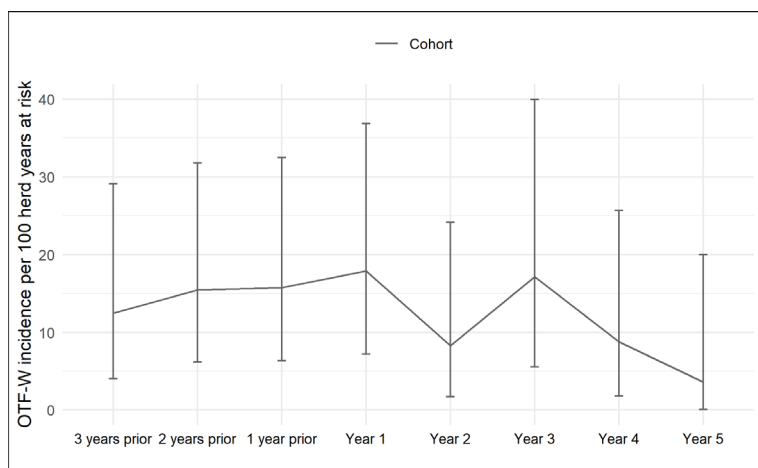
Area name	% 2km buffer area available at start	% of original buffer area available				
		Year 1	Year 2	Year 3	Year 4	Year 5
Area 02-Somerset	92	100	100	100	100	70

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	7	5	51	40.1	12.5	4.0	29.1	55	0
	2 years prior	8	7	55	45.4	15.4	6.2	31.8	26	0
	1 year prior	10	7	57	44.4	15.8	6.3	32.5	41	0
	Year 1	8	7	61	39.1	17.9	7.2	36.9	42	0
	Year 2	3	3	50	36.3	8.3	1.7	24.2	14	0
	Year 3	7	5	40	29.2	17.1	5.6	39.9	52	0
	Year 4	7	3	39	34.2	8.8	1.8	25.7	16	0
	Year 5	2	1	37	27.9	3.6	0.1	20.0	3	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	6	4	55	7.3	2.0	17.6
	2 years prior	5	4	57	7.0	1.9	17.0
	1 year prior	6	6	61	9.8	3.7	20.2
	Year 1	3	3	50	6.0	1.3	16.5
	Year 2	3	3	40	7.5	1.6	20.4
	Year 3	3	3	39	7.7	1.6	20.9
	Year 4	4	2	37	5.4	0.7	18.2
	Year 5	2	1	34	2.9	0.1	15.3



## Area 03 - Dorset central

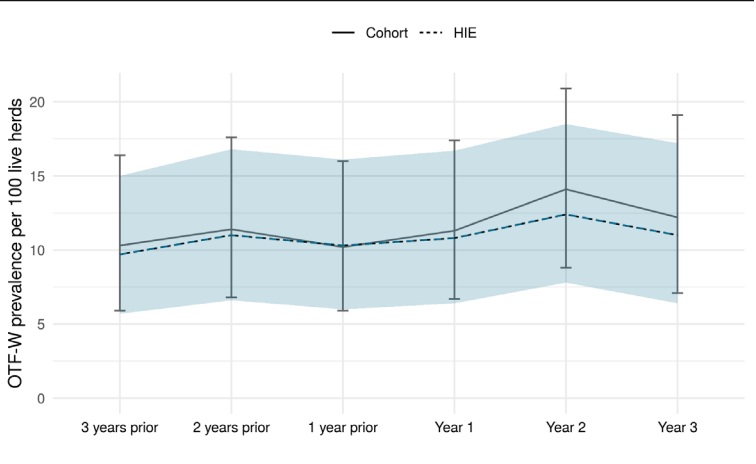
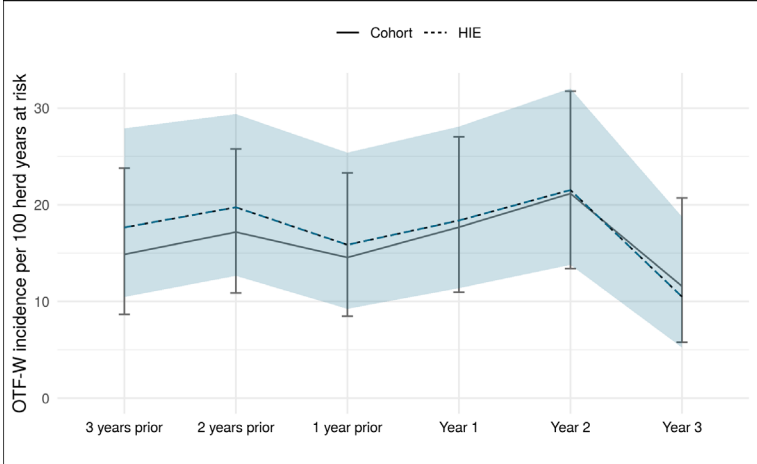
### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	25	17	143	114.3	14.9	8.7	23.8	125	0
	2 years prior	29	23	146	133.9	17.2	10.9	25.8	146	0
	1 year prior	26	17	149	116.9	14.5	8.5	23.3	125	0
	Year 1	35	21	157	118.7	17.7	10.9	27.0	210	0
	Year 2	33	23	151	108.7	21.2	13.4	31.7	207	269
	Year 3	21	11	142	95.0	11.6	5.8	20.7	221	490
HIE	3 years prior	26	18	179	101.9	17.7	10.5	27.9	135	0
	2 years prior	30	24	176	121.6	19.7	12.7	29.4	150	0
	1 year prior	26	17	164	107.2	15.9	9.2	25.4	125	0
	Year 1	35	21	156	114.3	18.4	11.4	28.1	210	0
	Year 2	35	24	158	111.5	21.5	13.8	32.0	211	269
	Year 3	21	11	161	104.9	10.5	5.2	18.8	221	490

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	17	15	146	10.3	5.9	16.4
	2 years prior	18	17	149	11.4	6.8	17.6
	1 year prior	17	16	157	10.2	5.9	16.0
	Year 1	25	17	151	11.3	6.7	17.4
	Year 2	25	20	142	14.1	8.8	20.9
	Year 3	20	16	131	12.2	7.1	19.1
HIE	3 years prior	19	17	176	9.7	5.7	15.0
	2 years prior	19	18	164	11.0	6.6	16.8
	1 year prior	17	16	156	10.3	6.0	16.1
	Year 1	25	17	158	10.8	6.4	16.7
	Year 2	26	20	161	12.4	7.8	18.5
	Year 3	20	16	146	11.0	6.4	17.2

# Area 03 - Dorset central



## Area 03 - Dorset buffer

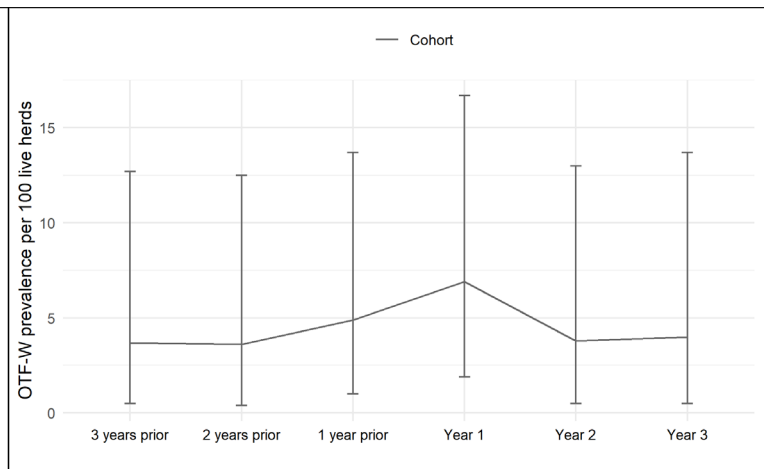
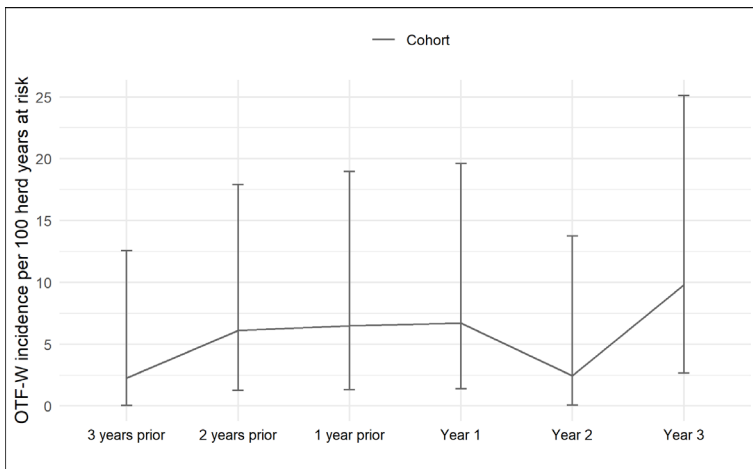
% of original buffer area available				
Area name	% 2km buffer area available at start	Year 1	Year 2	Year 3
Area 03-Dorset	100	100	100	38

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	3	1	53	44.3	2.3	0.1	12.6	12	0
	2 years prior	7	3	54	49.0	6.1	1.3	17.9	26	0
	1 year prior	3	3	55	46.2	6.5	1.3	19.0	10	0
	Year 1	7	3	61	44.7	6.7	1.4	19.6	64	0
	Year 2	7	1	58	40.6	2.5	0.1	13.7	29	0
	Year 3	6	4	53	40.8	9.8	2.7	25.1	23	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	2	2	54	3.7	0.5	12.7
	2 years prior	5	2	55	3.6	0.4	12.5
	1 year prior	3	3	61	4.9	1.0	13.7
	Year 1	6	4	58	6.9	1.9	16.7
	Year 2	7	2	53	3.8	0.5	13.0
	Year 3	2	2	50	4.0	0.5	13.7





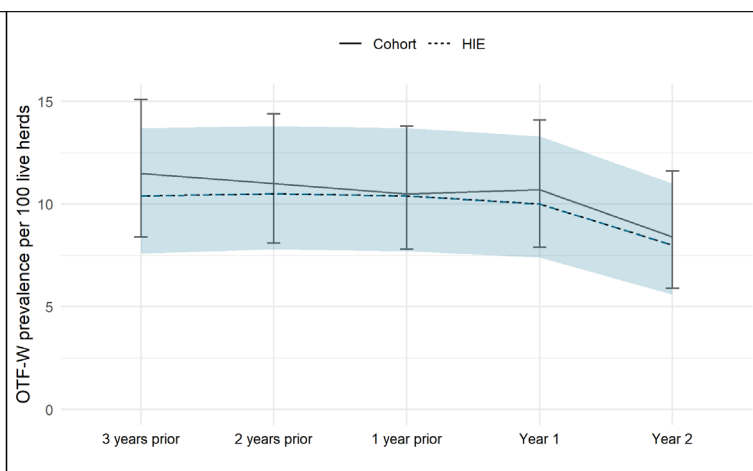
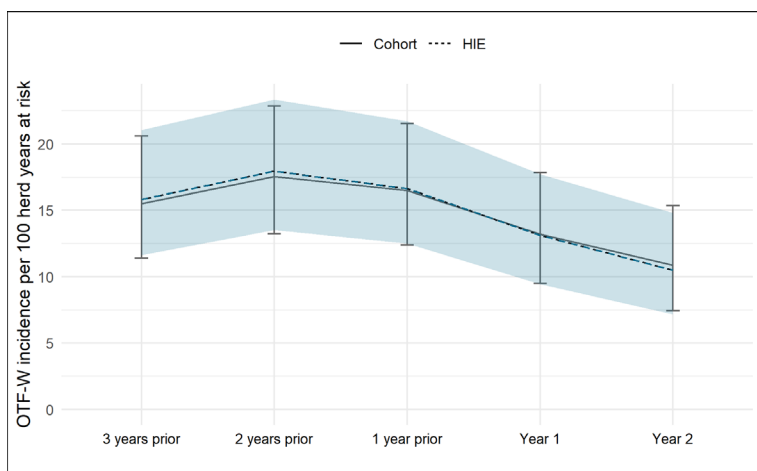
## Area 04 - Cornwall central

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	62	47	362	303.2	15.5	11.4	20.6	498	0
	2 years prior	62	55	375	313.2	17.6	13.2	22.9	426	8
	1 year prior	78	54	410	327.2	16.5	12.4	21.5	407	0
	Year 1	65	42	429	318.2	13.2	9.5	17.8	546	0
	Year 2	45	32	412	294.2	10.9	7.4	15.4	351	251
HIE	3 years prior	62	47	422	297.0	15.8	11.6	21.0	498	0
	2 years prior	62	55	415	306.5	17.9	13.5	23.4	426	8
	1 year prior	78	54	428	324.5	16.6	12.5	21.7	407	0
	Year 1	66	42	431	320.3	13.1	9.4	17.7	546	0
	Year 2	45	32	438	305.2	10.5	7.2	14.8	354	251

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	47	43	375	11.5	8.4	15.1
	2 years prior	50	45	410	11.0	8.1	14.4
	1 year prior	58	45	429	10.5	7.8	13.8
	Year 1	56	44	412	10.7	7.9	14.1
	Year 2	40	33	391	8.4	5.9	11.6
HIE	3 years prior	47	43	415	10.4	7.6	13.7
	2 years prior	50	45	428	10.5	7.8	13.8
	1 year prior	58	45	431	10.4	7.7	13.7
	Year 1	57	44	438	10.0	7.4	13.3
	Year 2	40	33	414	8.0	5.6	11.0



## Area 04 - Cornwall buffer

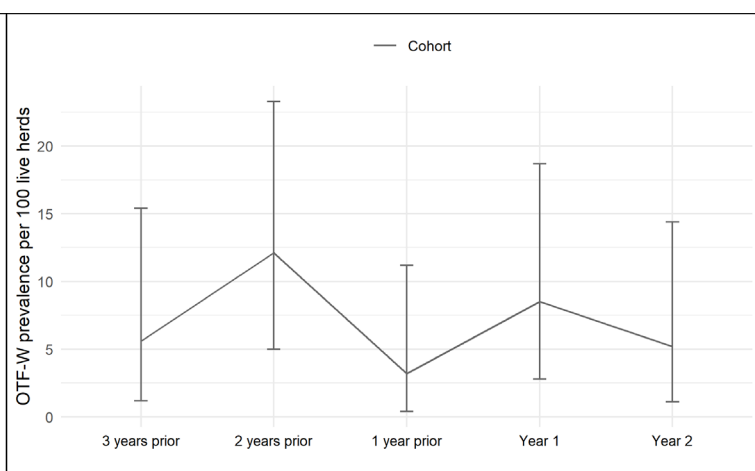
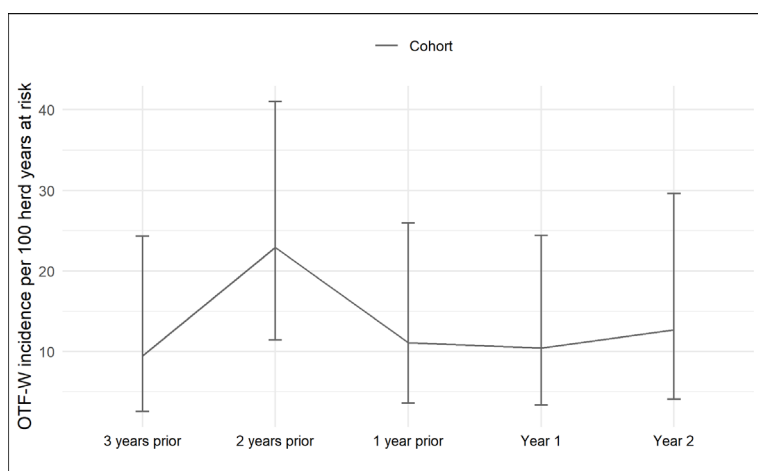
Area name	% 2km buffer area available at start	% of original buffer area available	
		Year 1	Year 2
Area 04-Cornwall	45	100	100

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	4	4	52	42.1	9.5	2.6	24.3	37	0
	2 years prior	12	11	54	48.0	22.9	11.4	41.0	68	0
	1 year prior	6	5	58	45.0	11.1	3.6	25.9	38	0
	Year 1	9	5	62	47.8	10.5	3.4	24.4	22	0
	Year 2	8	5	59	39.4	12.7	4.1	29.6	29	0

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	4	3	54	5.6	1.2	15.4
	2 years prior	7	7	58	12.1	5.0	23.3
	1 year prior	3	2	62	3.2	0.4	11.2
	Year 1	9	5	59	8.5	2.8	18.7
	Year 2	4	3	58	5.2	1.1	14.4



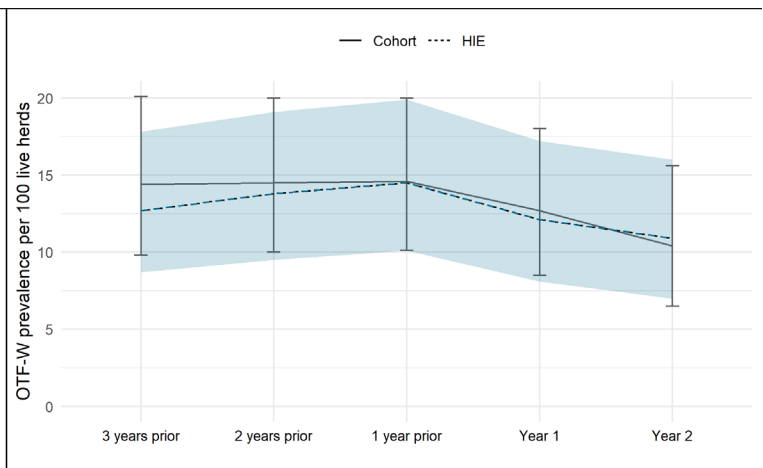
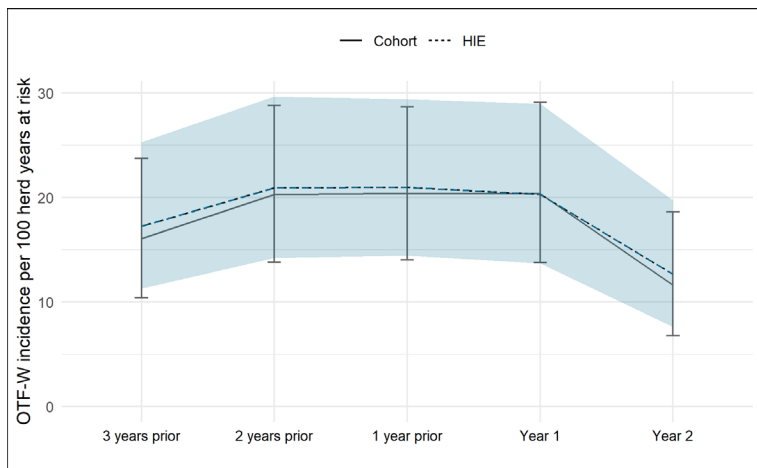
# Area 05 - Cornwall central

## OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	31	25	193	155.5	16.1	10.4	23.7	300	0
	2 years prior	38	31	195	152.8	20.3	13.8	28.8	465	0
	1 year prior	39	33	207	161.8	20.4	14.0	28.6	350	0
	Year 1	38	30	213	147.2	20.4	13.7	29.1	625	0
	Year 2	29	17	205	146.3	11.6	6.8	18.6	223	136
HIE	3 years prior	33	26	234	150.7	17.3	11.3	25.3	308	0
	2 years prior	38	31	228	148.3	20.9	14.2	29.7	465	0
	1 year prior	39	33	217	157.6	20.9	14.4	29.4	334	0
	Year 1	38	30	214	148.0	20.3	13.7	28.9	625	0
	Year 2	31	19	215	150.3	12.6	7.6	19.7	226	136

## OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	30	28	195	14.4	9.8	20.1
	2 years prior	31	30	207	14.5	10.0	20.0
	1 year prior	34	31	213	14.6	10.1	20.0
	Year 1	29	26	205	12.7	8.5	18.0
	Year 2	23	20	192	10.4	6.5	15.6
HIE	3 years prior	31	29	228	12.7	8.7	17.8
	2 years prior	31	30	217	13.8	9.5	19.1
	1 year prior	34	31	214	14.5	10.1	19.9
	Year 1	29	26	215	12.1	8.1	17.2
	Year 2	25	22	202	10.9	7.0	16.0



## Area 05 - Cornwall buffer

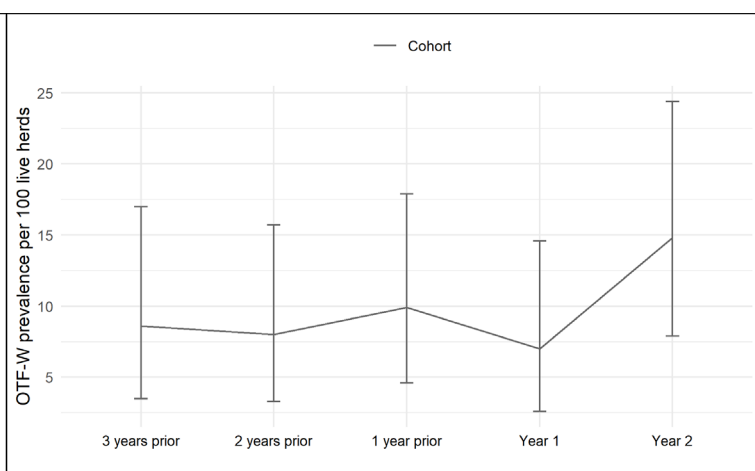
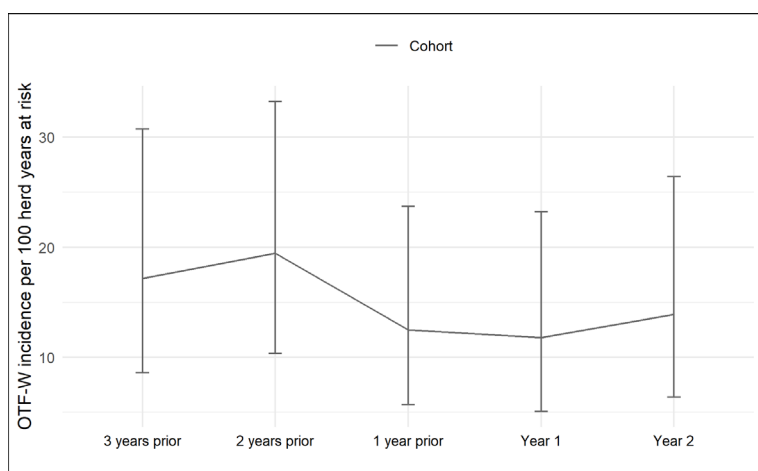
Area name	% 2km buffer area available at start	% of original buffer area available	
		Year 1	Year 2
Area 05-Cornwall	58	100	100

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	13	11	76	64.0	17.2	8.6	30.7	70	0
	2 years prior	16	13	81	66.9	19.4	10.4	33.3	103	0
	1 year prior	14	9	88	72.1	12.5	5.7	23.7	90	0
	Year 1	11	8	91	67.9	11.8	5.1	23.2	72	0
	Year 2	13	9	86	64.7	13.9	6.4	26.4	75	0

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	7	7	81	8.6	3.5	17.0
	2 years prior	9	7	88	8.0	3.3	15.7
	1 year prior	12	9	91	9.9	4.6	17.9
	Year 1	7	6	86	7.0	2.6	14.6
	Year 2	16	12	81	14.8	7.9	24.4



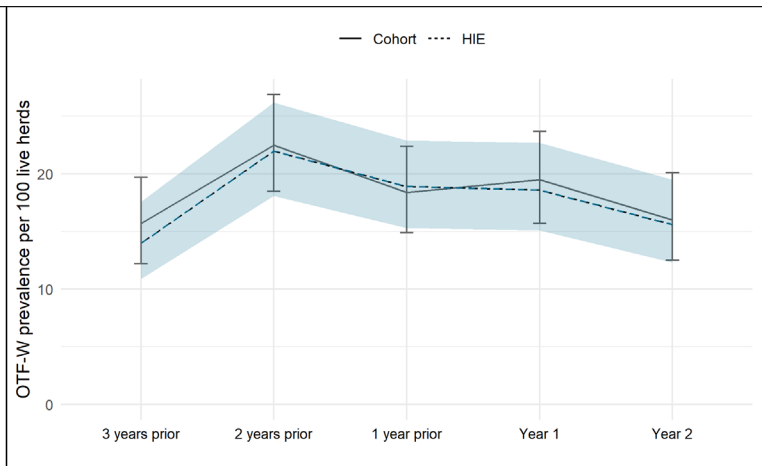
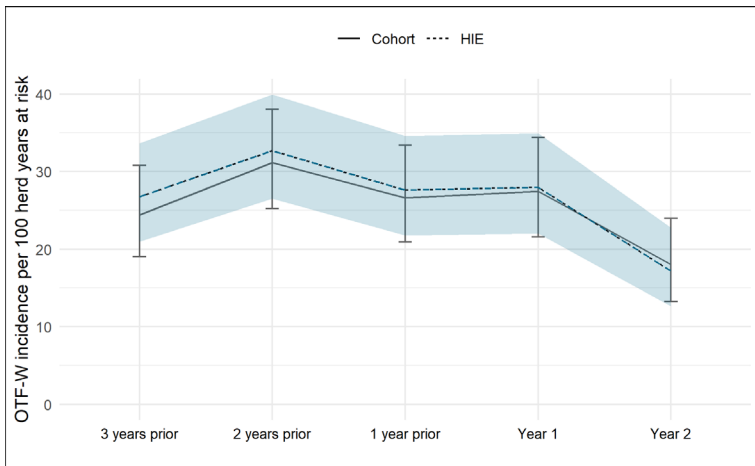
# Area 06 - Devon central

## OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	78	70	378	286.9	24.4	19.0	30.8	803	8
	2 years prior	111	96	388	308.3	31.1	25.2	38.0	1561	29
	1 year prior	87	75	409	281.7	26.6	20.9	33.4	1166	63
	Year 1	82	75	429	273.1	27.5	21.6	34.4	900	129
	Year 2	64	47	400	260.6	18.0	13.3	24.0	662	604
HIE	3 years prior	82	73	451	272.6	26.8	21.0	33.7	812	8
	2 years prior	111	96	443	293.5	32.7	26.5	39.9	1559	29
	1 year prior	88	76	423	275.0	27.6	21.8	34.6	1160	63
	Year 1	84	77	429	275.6	27.9	22.0	34.9	900	129
	Year 2	67	48	429	279.5	17.2	12.7	22.8	680	623

## OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	63	61	388	15.7	12.2	19.7
	2 years prior	97	92	409	22.5	18.5	26.9
	1 year prior	84	79	429	18.4	14.9	22.4
	Year 1	82	78	400	19.5	15.7	23.7
	Year 2	74	61	381	16.0	12.5	20.1
HIE	3 years prior	64	62	443	14.0	10.9	17.6
	2 years prior	98	93	423	22.0	18.1	26.2
	1 year prior	86	81	429	18.9	15.3	22.9
	Year 1	84	80	429	18.6	15.1	22.7
	Year 2	77	64	409	15.6	12.3	19.5



## Area 06 - Devon buffer

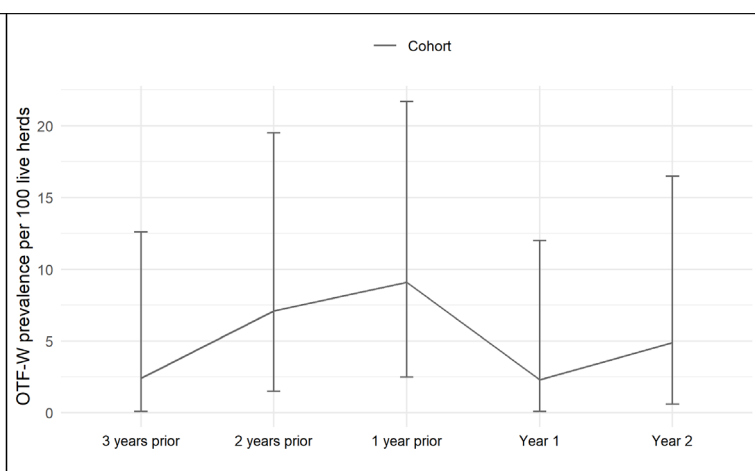
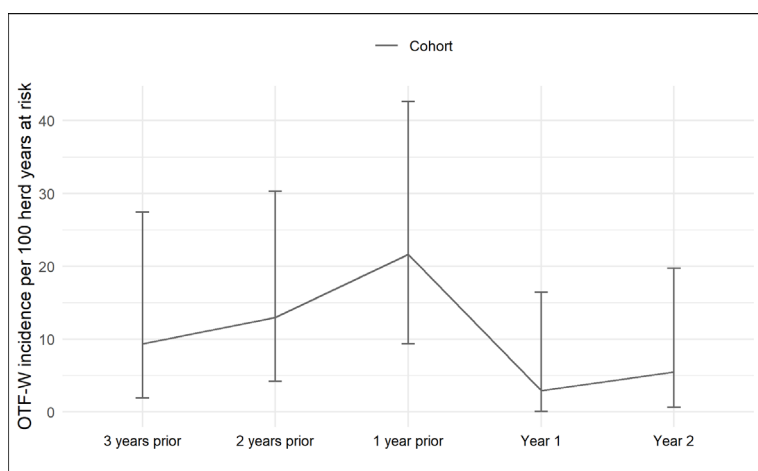
Area name	% 2km buffer area available at start	% of original buffer area available	
		Year 1	Year 2
Area 06-Devon	52	100	69

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	3	3	40	32.0	9.4	1.9	27.4	72	17
	2 years prior	5	5	42	38.5	13.0	4.2	30.3	22	0
	1 year prior	9	8	42	37.0	21.6	9.3	42.6	113	0
	Year 1	1	1	44	34.0	2.9	0.1	16.4	9	0
	Year 2	2	2	44	36.7	5.5	0.7	19.7	49	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	1	1	42	2.4	0.1	12.6
	2 years prior	3	3	42	7.1	1.5	19.5
	1 year prior	4	4	44	9.1	2.5	21.7
	Year 1	1	1	44	2.3	0.1	12.0
	Year 2	2	2	41	4.9	0.6	16.5



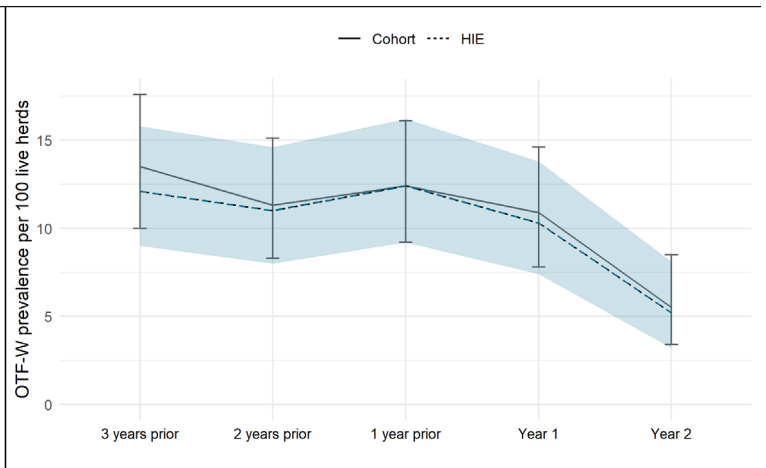
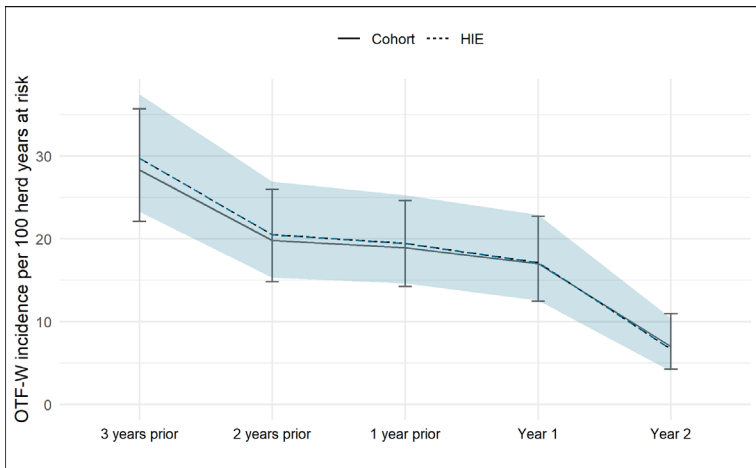
# Area 07 - Devon central

## OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	88	71	334	250.7	28.3	22.1	35.7	730	0
	2 years prior	69	52	341	262.2	19.8	14.8	26.0	790	6
	1 year prior	78	55	362	290.4	18.9	14.3	24.6	756	0
	Year 1	70	46	372	270.3	17.0	12.5	22.7	670	46
	Year 2	48	19	359	270.9	7.0	4.2	11.0	496	425
HIE	3 years prior	89	72	405	242.0	29.7	23.3	37.5	731	0
	2 years prior	69	52	388	253.3	20.5	15.3	26.9	790	6
	1 year prior	78	55	373	283.1	19.4	14.6	25.3	752	0
	Year 1	70	46	371	268.0	17.2	12.6	22.9	670	46
	Year 2	47	19	378	284.6	6.7	4.0	10.4	495	425

## OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	51	46	341	13.5	10.0	17.6
	2 years prior	48	41	362	11.3	8.3	15.1
	1 year prior	58	46	372	12.4	9.2	16.1
	Year 1	55	39	359	10.9	7.8	14.6
	Year 2	38	19	343	5.5	3.4	8.5
HIE	3 years prior	52	47	388	12.1	9.0	15.8
	2 years prior	48	41	373	11.0	8.0	14.6
	1 year prior	58	46	371	12.4	9.2	16.2
	Year 1	55	39	378	10.3	7.4	13.8
	Year 2	37	19	362	5.2	3.2	8.1



## Area 07 - Devon buffer

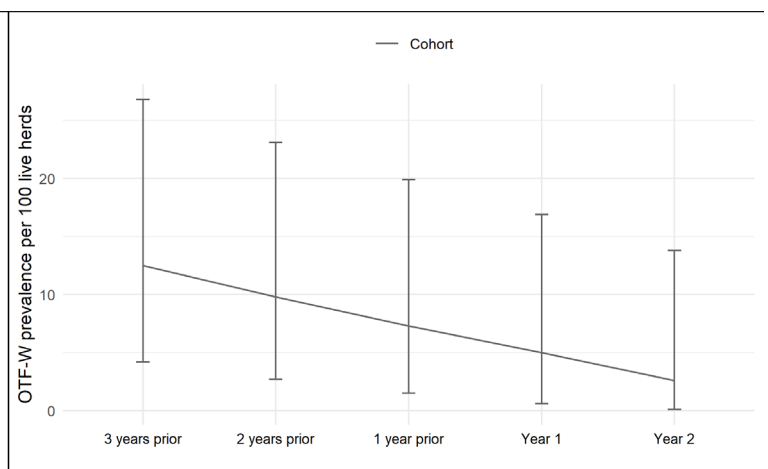
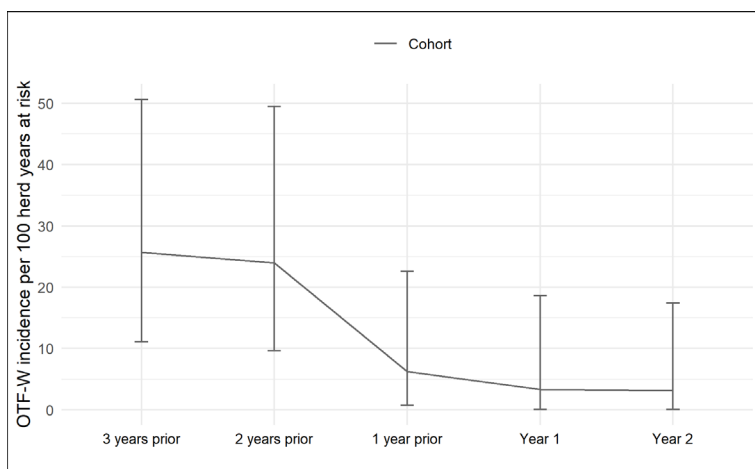
Area name	% 2km buffer area available at start	% of original buffer area available	
		Year 1	Year 2
Area 07-Devon	46	100	80

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	10	8	39	31.1	25.7	11.1	50.6	122	0
	2 years prior	8	7	40	29.2	24.0	9.6	49.4	34	0
	1 year prior	8	2	41	32.0	6.3	0.8	22.6	51	0
	Year 1	6	1	41	29.9	3.3	0.1	18.6	61	0
	Year 2	4	1	40	32.0	3.1	0.1	17.4	26	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	6	5	40	12.5	4.2	26.8
	2 years prior	4	4	41	9.8	2.7	23.1
	1 year prior	7	3	41	7.3	1.5	19.9
	Year 1	5	2	40	5.0	0.6	16.9
	Year 2	4	1	38	2.6	0.1	13.8





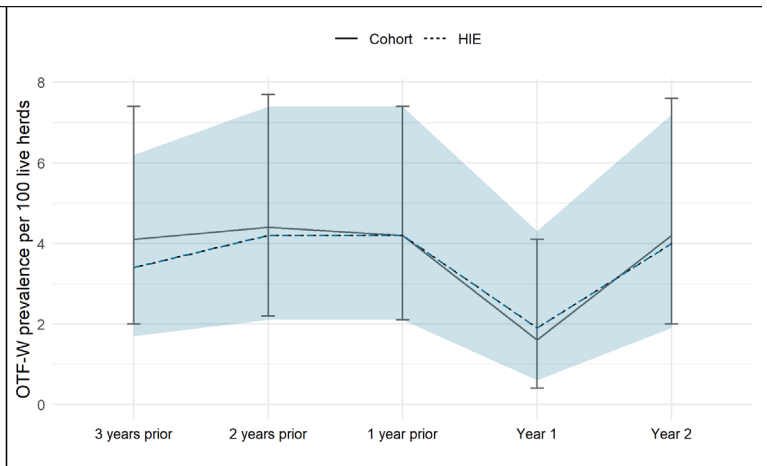
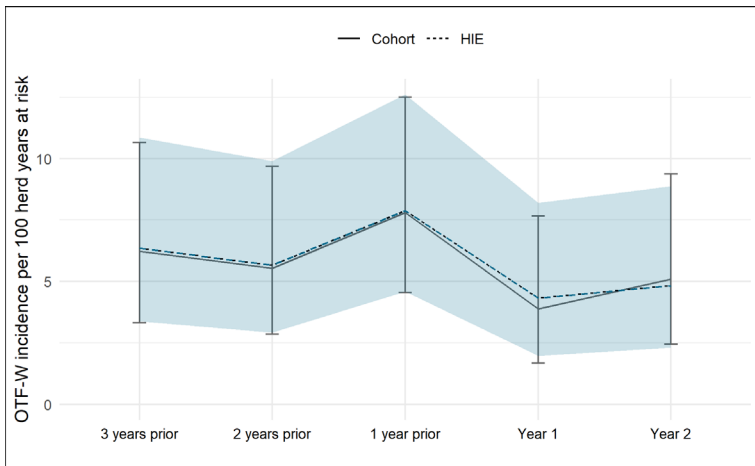
# Area 08 - Dorset central

## OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	30	13	236	208.6	6.2	3.3	10.7	116	0
	2 years prior	23	12	244	216.6	5.5	2.9	9.7	112	0
	1 year prior	31	17	251	217.7	7.8	4.5	12.5	183	0
	Year 1	26	8	261	205.9	3.9	1.7	7.7	132	0
	Year 2	20	10	249	196.0	5.1	2.4	9.4	76	93
HIE	3 years prior	30	13	304	204.7	6.4	3.4	10.9	116	0
	2 years prior	23	12	291	211.7	5.7	2.9	9.9	112	0
	1 year prior	31	17	262	215.8	7.9	4.6	12.6	183	0
	Year 1	27	9	263	208.3	4.3	2.0	8.2	132	0
	Year 2	21	10	266	207.4	4.8	2.3	8.9	77	93

## OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	16	10	244	4.1	2.0	7.4
	2 years prior	14	11	251	4.4	2.2	7.7
	1 year prior	21	11	261	4.2	2.1	7.4
	Year 1	14	4	249	1.6	0.4	4.1
	Year 2	14	10	237	4.2	2.0	7.6
HIE	3 years prior	16	10	291	3.4	1.7	6.2
	2 years prior	14	11	262	4.2	2.1	7.4
	1 year prior	21	11	263	4.2	2.1	7.4
	Year 1	15	5	266	1.9	0.6	4.3
	Year 2	15	10	252	4.0	1.9	7.2



## Area 08 - Dorset buffer

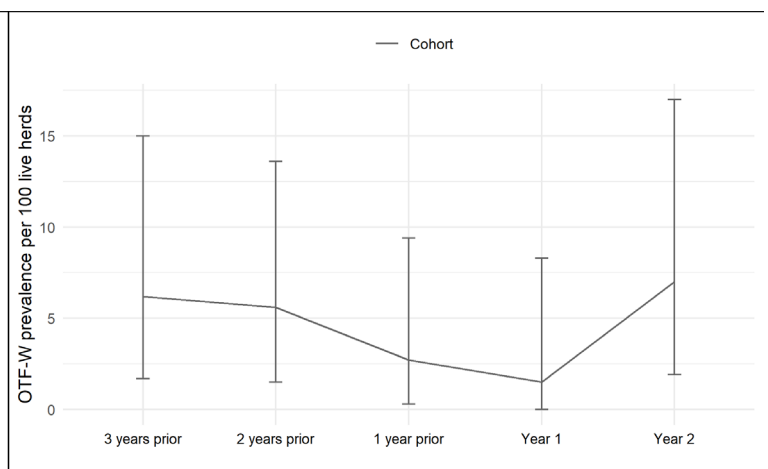
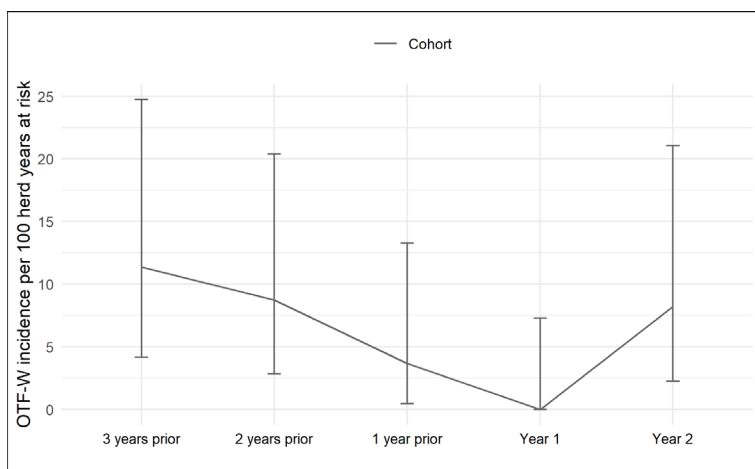
Area name	% 2km buffer area available at start	% of original buffer area available	
		Year 1	Year 2
Area 08-Dorset	82	100	57

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	10	6	60	52.8	11.4	4.2	24.7	28	0
	2 years prior	7	5	65	57.2	8.7	2.8	20.4	45	0
	1 year prior	6	2	72	54.4	3.7	0.4	13.3	61	0
	Year 1	4	0	74	50.7	0.0	0.0	7.3	34	0
	Year 2	9	4	65	48.7	8.2	2.2	21.1	35	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	4	4	65	6.2	1.7	15.0
	2 years prior	5	4	72	5.6	1.5	13.6
	1 year prior	3	2	74	2.7	0.3	9.4
	Year 1	3	1	65	1.5	0.0	8.3
	Year 2	6	4	57	7.0	1.9	17.0



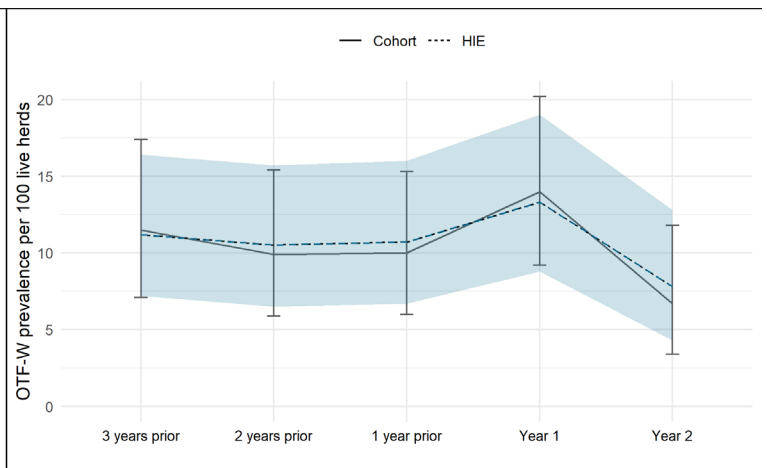
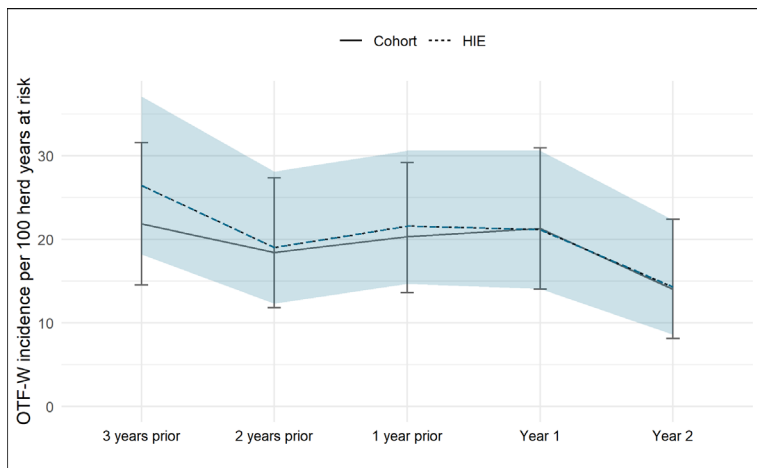
# Area 09 - Gloucestershire central

## OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	35	28	159	128.3	21.8	14.5	31.5	191	0
	2 years prior	34	24	165	130.5	18.4	11.8	27.4	157	4
	1 year prior	43	29	172	142.8	20.3	13.6	29.2	317	0
	Year 1	36	27	180	127.0	21.3	14.0	30.9	225	2
	Year 2	26	17	171	121.5	14.0	8.2	22.4	249	82
HIE	3 years prior	40	33	203	125.0	26.4	18.2	37.1	203	0
	2 years prior	34	25	205	131.5	19.0	12.3	28.1	165	4
	1 year prior	45	31	191	143.8	21.6	14.7	30.6	324	0
	Year 1	36	28	187	132.4	21.2	14.1	30.6	225	2
	Year 2	29	19	188	133.0	14.3	8.6	22.3	257	82

## OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	22	19	165	11.5	7.1	17.4
	2 years prior	21	17	172	9.9	5.9	15.4
	1 year prior	23	18	180	10.0	6.0	15.3
	Year 1	28	24	171	14.0	9.2	20.2
	Year 2	16	11	163	6.7	3.4	11.8
HIE	3 years prior	26	23	205	11.2	7.2	16.4
	2 years prior	24	20	191	10.5	6.5	15.7
	1 year prior	25	20	187	10.7	6.7	16.0
	Year 1	28	25	188	13.3	8.8	19.0
	Year 2	19	14	179	7.8	4.3	12.8



## Area 09 - Gloucestershire buffer

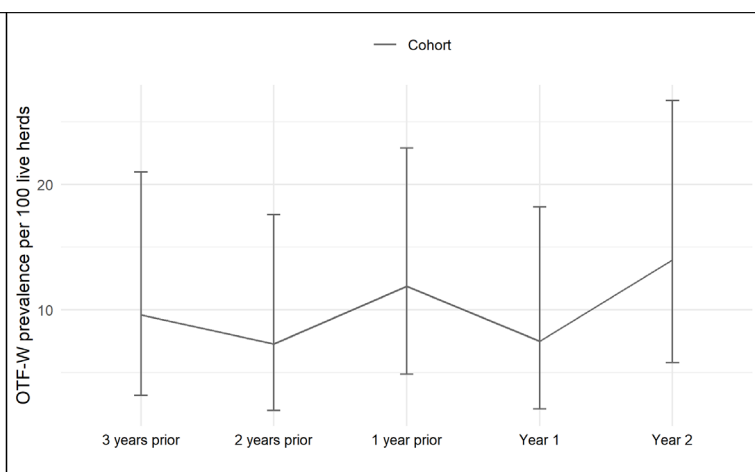
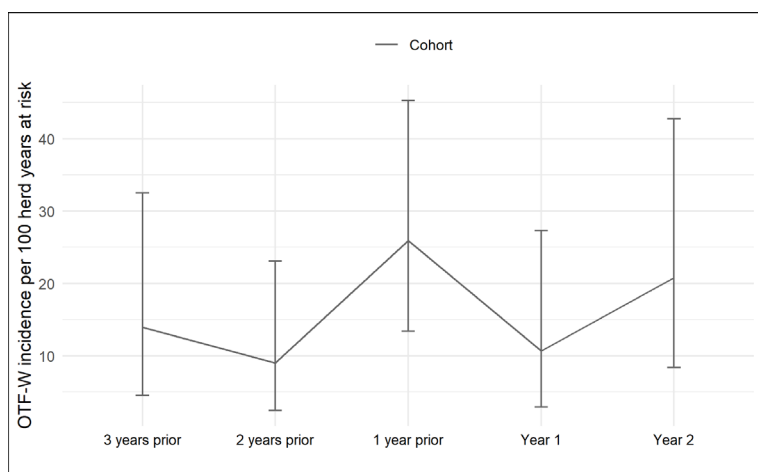
Area name	% 2km buffer area available at start	% of original buffer area available	
		Year 1	Year 2
Area 09-Gloucestershire	92	100	100

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	7	5	49	35.9	13.9	4.5	32.5	29	0
	2 years prior	5	4	52	44.4	9.0	2.5	23.1	10	0
	1 year prior	12	12	55	46.3	25.9	13.4	45.3	72	0
	Year 1	5	4	59	37.5	10.7	2.9	27.3	35	0
	Year 2	9	7	53	33.7	20.8	8.3	42.8	31	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	5	5	52	9.6	3.2	21.0
	2 years prior	5	4	55	7.3	2.0	17.6
	1 year prior	7	7	59	11.9	4.9	22.9
	Year 1	4	4	53	7.5	2.1	18.2
	Year 2	7	7	50	14.0	5.8	26.7



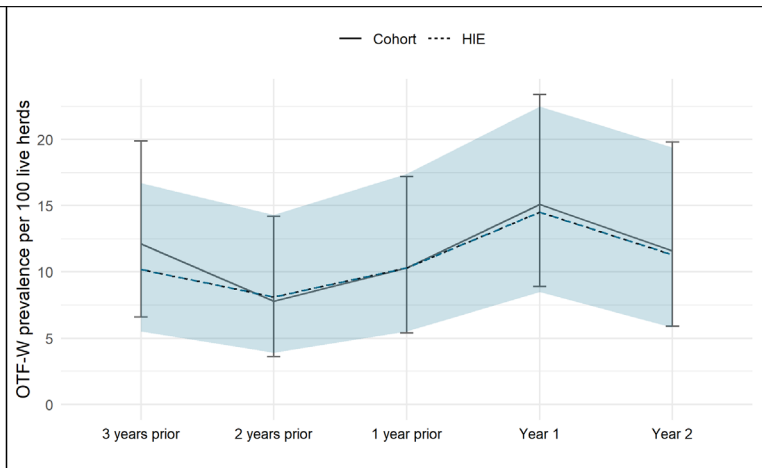
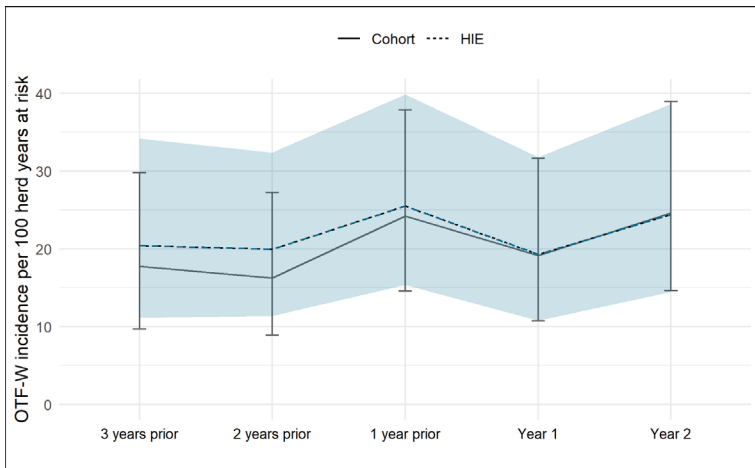
# Area 10 - Herefordshire central

## OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	20	14	103	78.9	17.7	9.7	29.8	185	0
	2 years prior	20	14	107	86.2	16.2	8.9	27.2	155	53
	1 year prior	23	19	116	78.4	24.2	14.6	37.8	139	0
	Year 1	18	15	117	78.3	19.2	10.7	31.6	140	0
	Year 2	20	18	106	73.0	24.6	14.6	38.9	132	50
HIE	3 years prior	20	14	129	68.7	20.4	11.1	34.2	185	0
	2 years prior	22	16	128	80.2	19.9	11.4	32.4	156	53
	1 year prior	23	19	124	74.4	25.5	15.4	39.9	139	0
	Year 1	19	15	116	77.8	19.3	10.8	31.8	140	0
	Year 2	20	18	110	73.7	24.4	14.5	38.6	132	50

## OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	16	13	107	12.1	6.6	19.9
	2 years prior	11	9	116	7.8	3.6	14.2
	1 year prior	13	12	117	10.3	5.4	17.2
	Year 1	17	16	106	15.1	8.9	23.4
	Year 2	11	11	95	11.6	5.9	19.8
HIE	3 years prior	16	13	128	10.2	5.5	16.7
	2 years prior	12	10	124	8.1	3.9	14.3
	1 year prior	13	12	116	10.3	5.5	17.4
	Year 1	17	16	110	14.5	8.5	22.5
	Year 2	11	11	97	11.3	5.8	19.4



## Area 10 - Herefordshire buffer

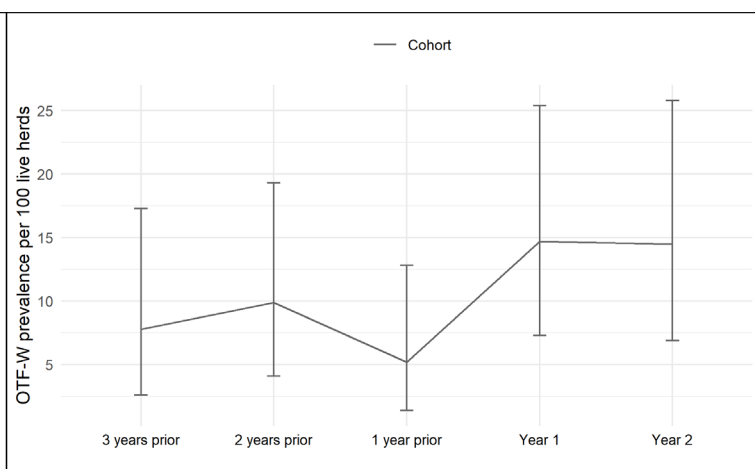
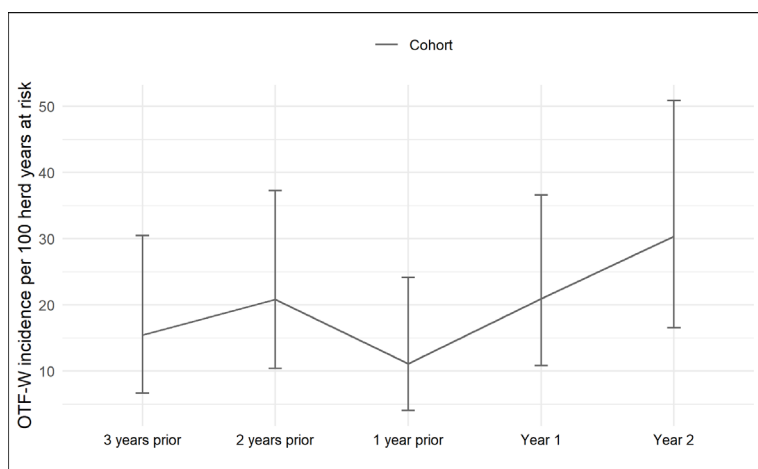
Area name	% 2km buffer area available at start	% of original buffer area available	
		Year 1	Year 2
Area 10-Herefordshire	82	100	100

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	12	8	61	51.8	15.5	6.7	30.5	87	0
	2 years prior	13	11	64	52.8	20.8	10.4	37.3	76	0
	1 year prior	10	6	71	54.1	11.1	4.1	24.2	114	0
	Year 1	13	12	77	57.3	21.0	10.8	36.6	82	0
	Year 2	19	14	68	46.2	30.3	16.6	50.9	114	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	8	5	64	7.8	2.6	17.3
	2 years prior	9	7	71	9.9	4.1	19.3
	1 year prior	5	4	77	5.2	1.4	12.8
	Year 1	11	10	68	14.7	7.3	25.4
	Year 2	11	9	62	14.5	6.9	25.8



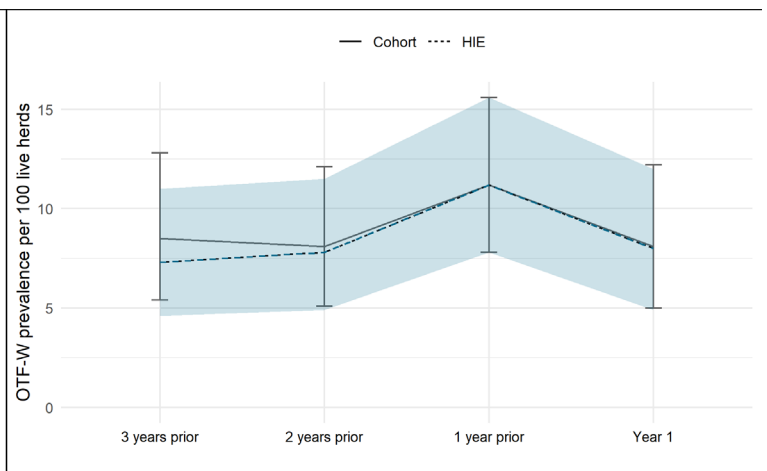
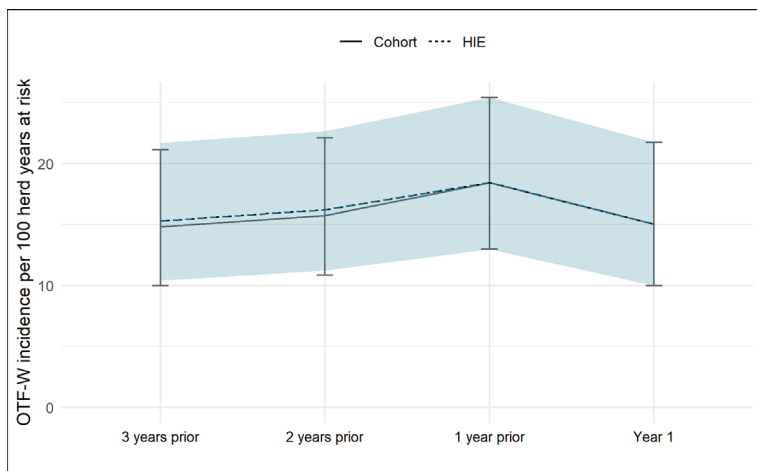
# Area 11 - Cheshire central

## OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	40	30	237	202.6	14.8	10.0	21.1	387	208
	2 years prior	47	33	246	209.6	15.7	10.8	22.1	300	146
	1 year prior	52	37	259	200.6	18.4	13.0	25.4	380	280
	Year 1	38	28	276	186.2	15.0	10.0	21.7	276	458
HIE	3 years prior	41	31	292	202.6	15.3	10.4	21.7	381	209
	2 years prior	49	34	286	209.6	16.2	11.2	22.7	306	146
	1 year prior	52	37	283	200.6	18.4	13.0	25.4	378	280
	Year 1	38	28	276	186.2	15.0	10.0	21.7	276	458

## OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	26	21	246	8.5	5.4	12.8
	2 years prior	28	21	259	8.1	5.1	12.1
	1 year prior	38	31	276	11.2	7.8	15.6
	Year 1	23	20	248	8.1	5.0	12.2
HIE	3 years prior	26	21	286	7.3	4.6	11.0
	2 years prior	30	22	283	7.8	4.9	11.5
	1 year prior	38	31	276	11.2	7.8	15.6
	Year 1	23	20	251	8.0	4.9	12.0



## Area 11 - Cheshire buffer

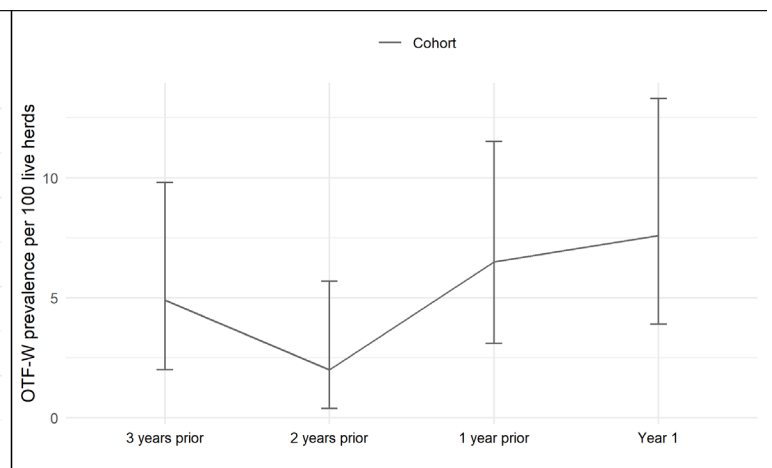
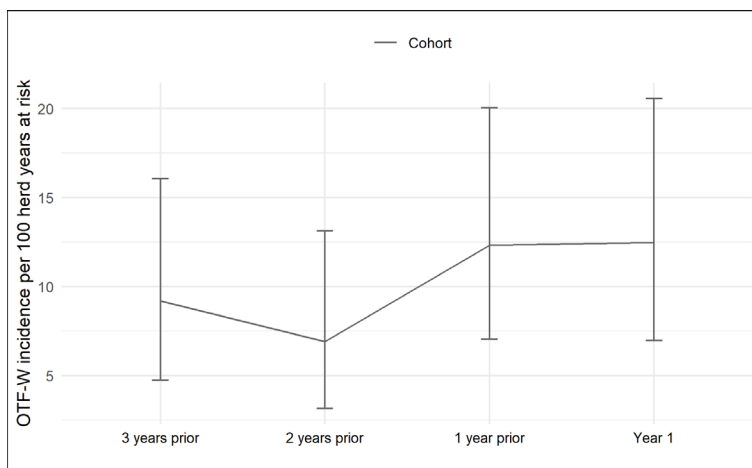
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 11-Cheshire	100	100

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	17	12	137	130.6	9.2	4.7	16.1	77	88
	2 years prior	15	9	143	130.2	6.9	3.2	13.1	72	9
	1 year prior	25	16	150	129.8	12.3	7.0	20.0	60	49
	Year 1	20	15	155	120.3	12.5	7.0	20.6	101	130

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	8	7	143	4.9	2.0	9.8
	2 years prior	5	3	150	2.0	0.4	5.7
	1 year prior	13	10	155	6.5	3.1	11.5
	Year 1	13	11	144	7.6	3.9	13.3





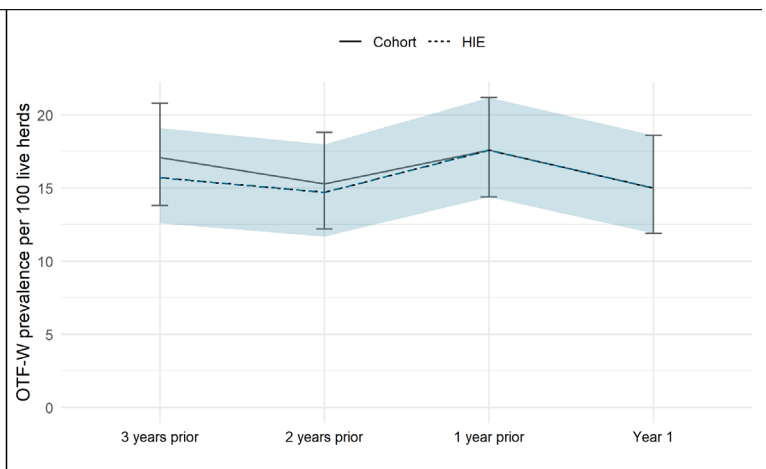
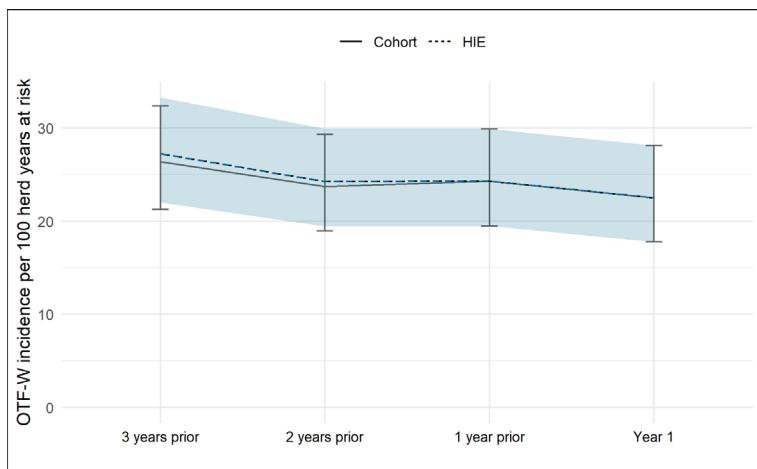
## Area 12 - Devon central

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval			Reactors	
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	105	92	439	348.7	26.4	21.3	32.4	937	124
	2 years prior	101	85	462	358.4	23.7	18.9	29.3	1112	0
	1 year prior	108	88	483	362.3	24.3	19.5	29.9	1394	143
	Year 1	98	77	500	341.9	22.5	17.8	28.1	989	105
HIE	3 years prior	108	95	534	348.7	27.2	22.0	33.3	958	124
	2 years prior	104	87	510	358.4	24.3	19.4	29.9	1117	0
	1 year prior	108	88	505	362.3	24.3	19.5	29.9	1392	143
	Year 1	98	77	500	341.9	22.5	17.8	28.1	989	105

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	86	79	462	17.1	13.8	20.8
	2 years prior	84	74	483	15.3	12.2	18.8
	1 year prior	97	88	500	17.6	14.4	21.2
	Year 1	82	71	472	15.0	11.9	18.6
HIE	3 years prior	87	80	510	15.7	12.6	19.1
	2 years prior	84	74	505	14.7	11.7	18.0
	1 year prior	97	88	500	17.6	14.4	21.2
	Year 1	82	71	472	15.0	11.9	18.6



## Area 12 - Devon buffer

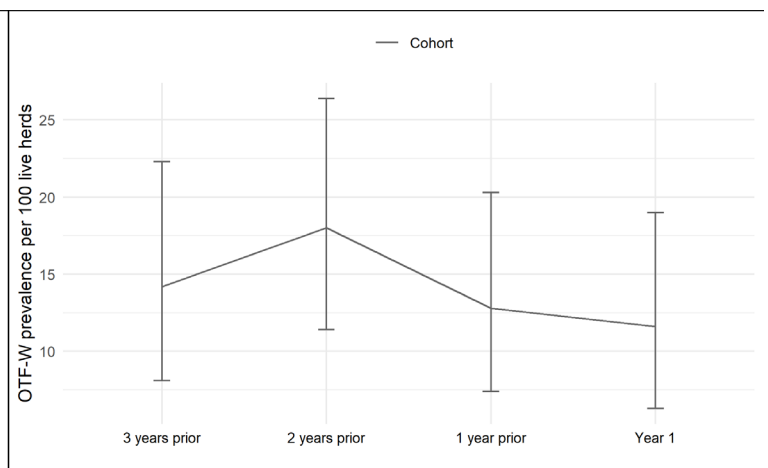
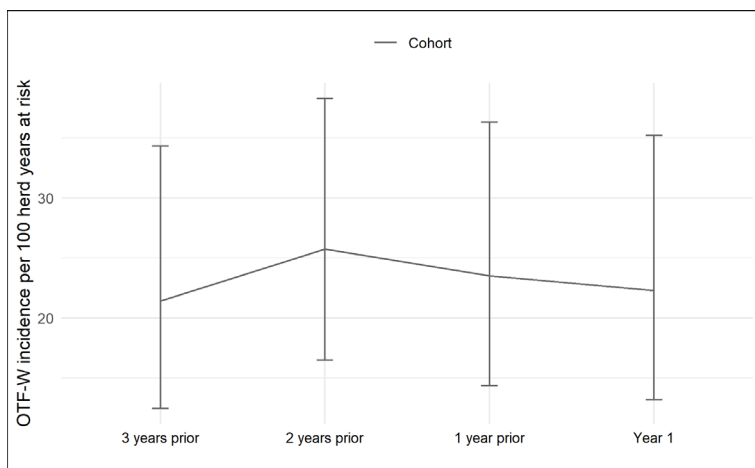
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 12-Devon	72	100

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	18	17	103	79.4	21.4	12.5	34.3	109	0
	2 years prior	26	24	106	93.3	25.7	16.5	38.3	267	2
	1 year prior	25	20	111	85.1	23.5	14.4	36.3	134	0
	Year 1	18	18	117	80.8	22.3	13.2	35.2	81	0

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	15	15	106	14.2	8.1	22.3
	2 years prior	21	20	111	18.0	11.4	26.4
	1 year prior	19	15	117	12.8	7.4	20.3
	Year 1	14	13	112	11.6	6.3	19.0



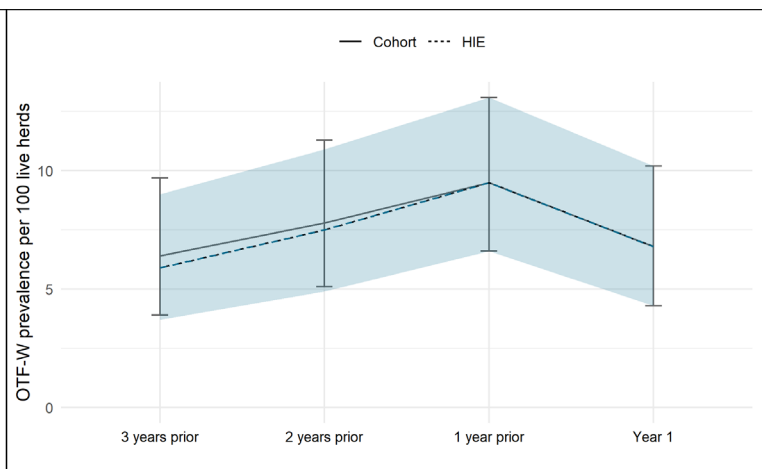
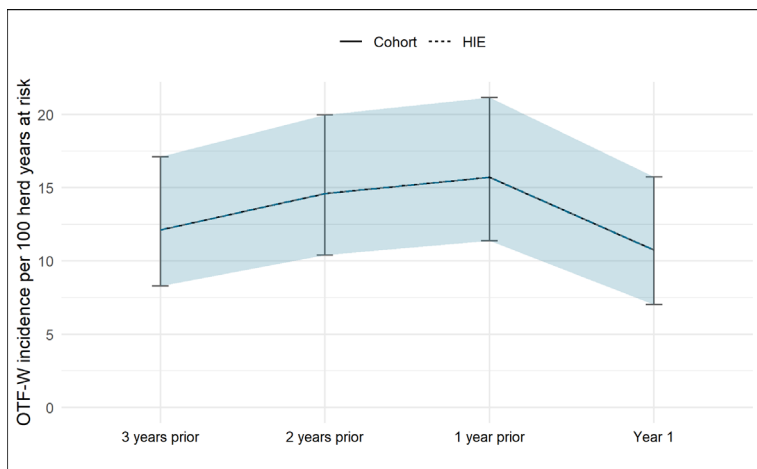
# Area 13 - Devon central

## OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	41	32	302	263.8	12.1	8.3	17.1	162	28
	2 years prior	52	39	314	266.8	14.6	10.4	20.0	264	2
	1 year prior	57	43	321	273.5	15.7	11.4	21.2	816	200
	Year 1	47	26	338	241.9	10.7	7.0	15.7	256	20
HIE	3 years prior	41	32	356	263.8	12.1	8.3	17.1	162	28
	2 years prior	53	39	338	266.8	14.6	10.4	20.0	265	2
	1 year prior	57	43	333	273.5	15.7	11.4	21.2	816	200
	Year 1	47	26	338	241.9	10.7	7.0	15.7	256	20

## OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	23	20	313	6.4	3.9	9.7
	2 years prior	30	25	321	7.8	5.1	11.3
	1 year prior	39	32	337	9.5	6.6	13.1
	Year 1	33	21	309	6.8	4.3	10.2
HIE	3 years prior	23	20	337	5.9	3.7	9.0
	2 years prior	30	25	333	7.5	4.9	10.9
	1 year prior	39	32	338	9.5	6.6	13.1
	Year 1	33	21	309	6.8	4.3	10.2



## Area 13 - Devon buffer

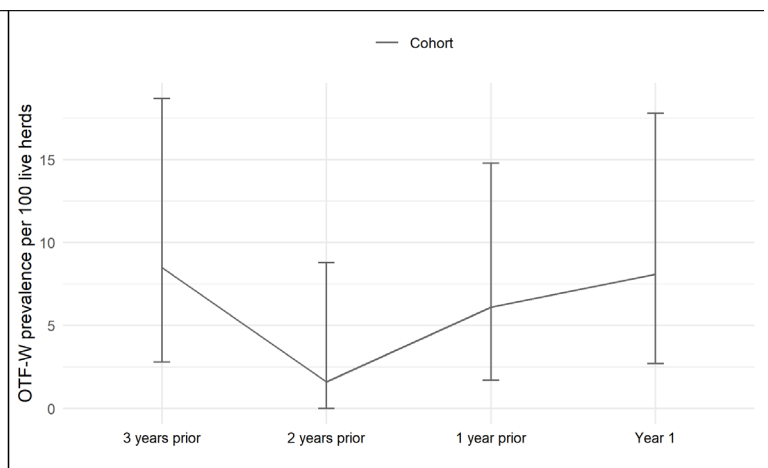
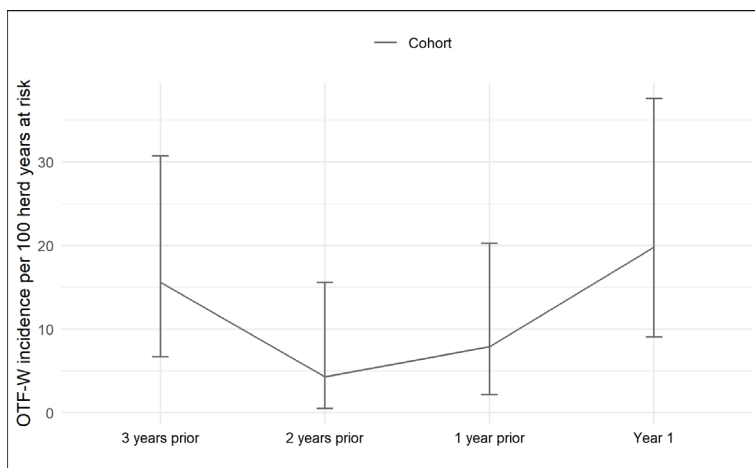
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 13-Devon	53	100

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	10	8	54	51.3	15.6	6.7	30.7	55	0
	2 years prior	3	2	59	46.3	4.3	0.5	15.6	13	0
	1 year prior	6	4	61	50.5	7.9	2.2	20.3	76	0
	Year 1	12	9	66	45.4	19.8	9.1	37.6	98	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	6	5	59	8.5	2.8	18.7
	2 years prior	1	1	61	1.6	0.0	8.8
	1 year prior	5	4	66	6.1	1.7	14.8
	Year 1	7	5	62	8.1	2.7	17.8



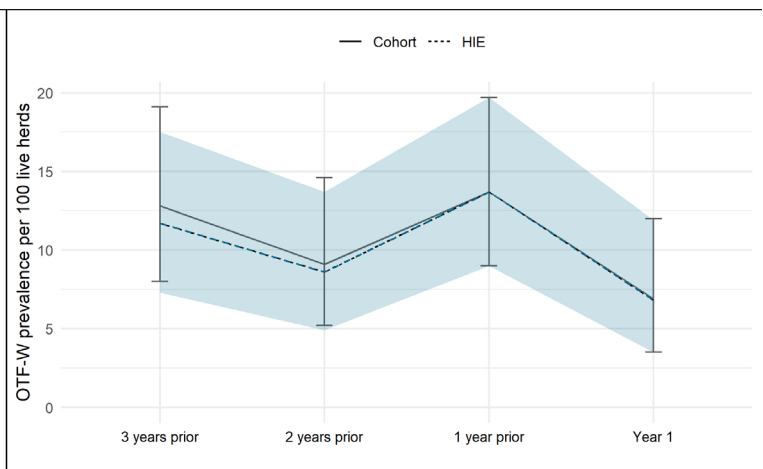
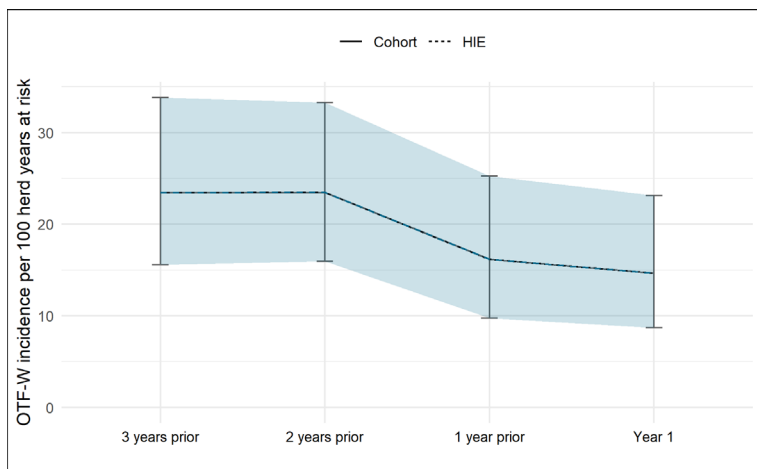
# Area 14 - Devon central

## OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval			Reactors	
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	32	28	150	119.6	23.4	15.6	33.8	152	0
	2 years prior	38	31	156	132.1	23.5	15.9	33.3	238	0
	1 year prior	28	19	165	117.4	16.2	9.7	25.3	240	0
	Year 1	27	18	175	122.9	14.6	8.7	23.2	151	23
HIE	3 years prior	32	28	186	119.6	23.4	15.6	33.8	152	0
	2 years prior	38	31	171	132.1	23.5	15.9	33.3	238	0
	1 year prior	28	19	175	117.4	16.2	9.7	25.3	240	0
	Year 1	27	18	175	122.9	14.6	8.7	23.2	151	23

## OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	22	20	156	12.8	8.0	19.1
	2 years prior	18	15	165	9.1	5.2	14.6
	1 year prior	28	24	175	13.7	9.0	19.7
	Year 1	19	11	159	6.9	3.5	12.0
HIE	3 years prior	22	20	171	11.7	7.3	17.5
	2 years prior	18	15	175	8.6	4.9	13.7
	1 year prior	28	24	175	13.7	9.0	19.7
	Year 1	19	11	161	6.8	3.5	11.9



## Area 14 - Devon buffer

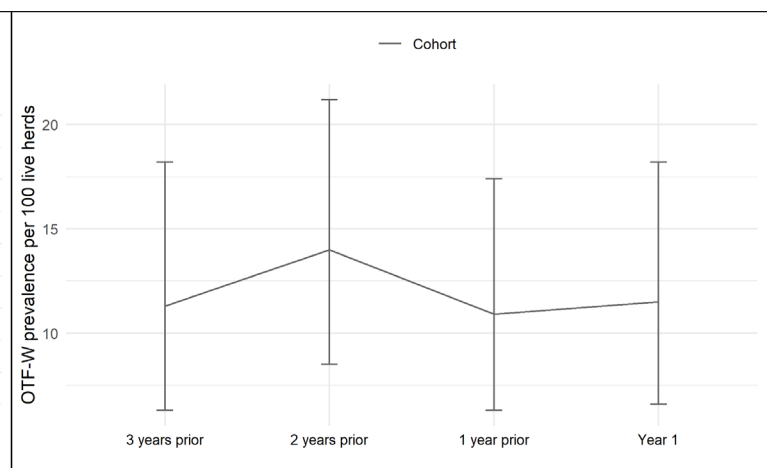
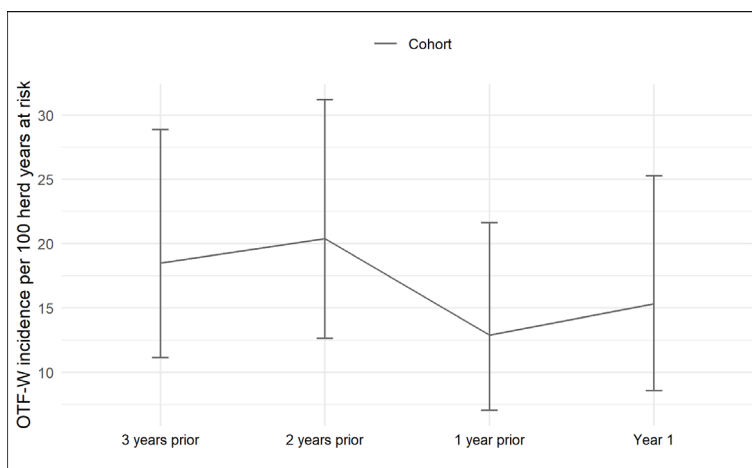
% of original buffer area available		
Area name	% 2km buffer area available at start	Year 1
Area 14-Devon	92	100

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	22	19	121	102.8	18.5	11.1	28.9	162	0
	2 years prior	28	21	124	102.9	20.4	12.6	31.2	178	0
	1 year prior	28	14	129	108.6	12.9	7.1	21.6	253	0
	Year 1	21	15	137	97.8	15.3	8.6	25.3	155	0

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	15	14	124	11.3	6.3	18.2
	2 years prior	23	18	129	14.0	8.5	21.2
	1 year prior	24	15	137	10.9	6.3	17.4
	Year 1	19	15	131	11.5	6.6	18.2



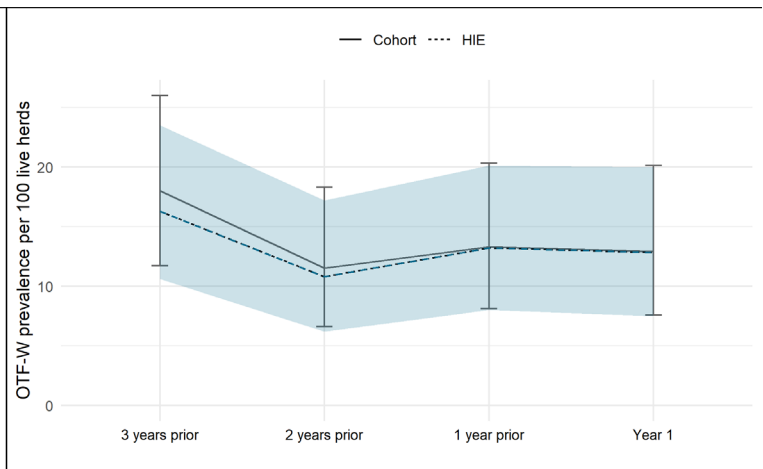
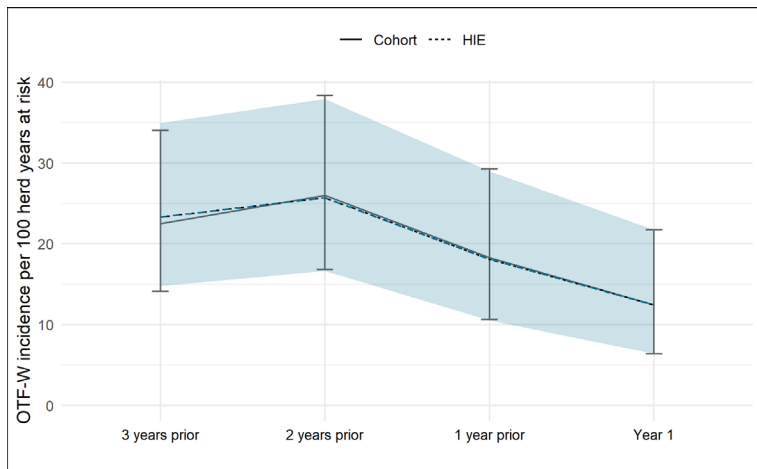
# Area 15 - Devon central

## OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval			Reactors	
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	25	22	119	97.8	22.5	14.1	34.1	202	0
	2 years prior	32	25	122	96.2	26.0	16.8	38.4	223	0
	1 year prior	23	17	130	93.1	18.3	10.6	29.2	347	16
	Year 1	15	12	135	96.5	12.4	6.4	21.7	268	98
HIE	3 years prior	26	23	162	98.7	23.3	14.8	35.0	203	0
	2 years prior	32	25	141	97.2	25.7	16.6	38.0	223	0
	1 year prior	23	17	139	93.9	18.1	10.5	29.0	347	16
	Year 1	15	12	136	96.5	12.4	6.4	21.7	268	98

## OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	25	22	122	18.0	11.7	26.0
	2 years prior	19	15	130	11.5	6.6	18.3
	1 year prior	21	18	135	13.3	8.1	20.3
	Year 1	19	16	124	12.9	7.6	20.1
HIE	3 years prior	26	23	141	16.3	10.6	23.5
	2 years prior	19	15	139	10.8	6.2	17.2
	1 year prior	21	18	136	13.2	8.0	20.1
	Year 1	19	16	125	12.8	7.5	20.0



## Area 15 - Devon buffer

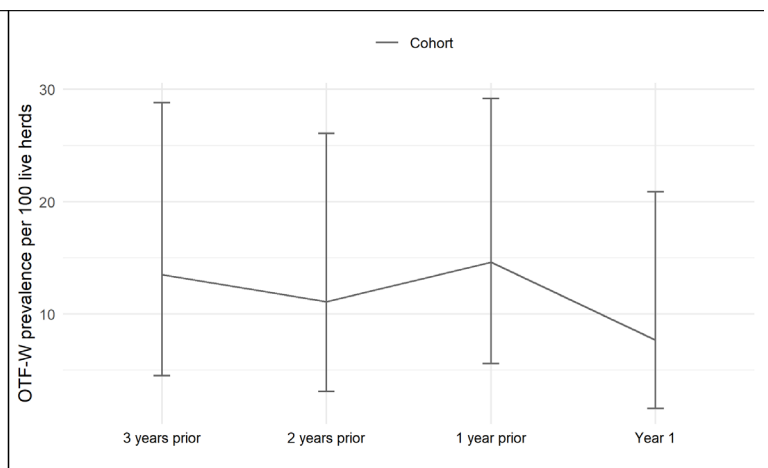
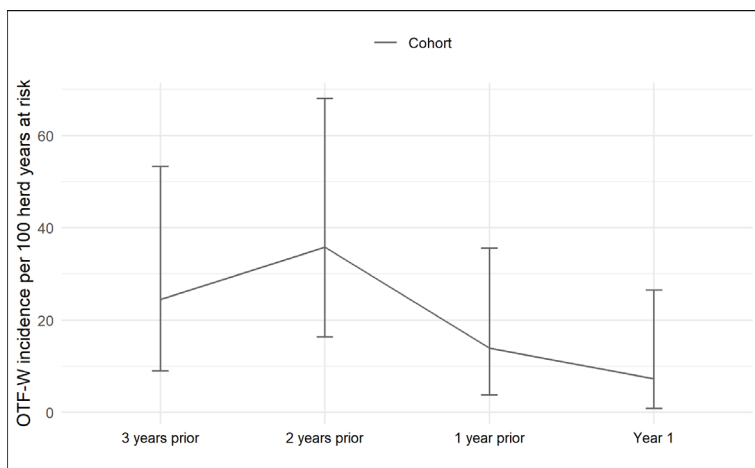
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 15-Devon	65	100

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	6	6	30	24.5	24.5	9.0	53.3	28	0
	2 years prior	9	9	37	25.1	35.8	16.4	68.0	28	0
	1 year prior	5	4	36	28.8	13.9	3.8	35.6	111	0
	Year 1	4	2	41	27.2	7.3	0.9	26.5	82	8

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	5	5	37	13.5	4.5	28.8
	2 years prior	4	4	36	11.1	3.1	26.1
	1 year prior	7	6	41	14.6	5.6	29.2
	Year 1	5	3	39	7.7	1.6	20.9





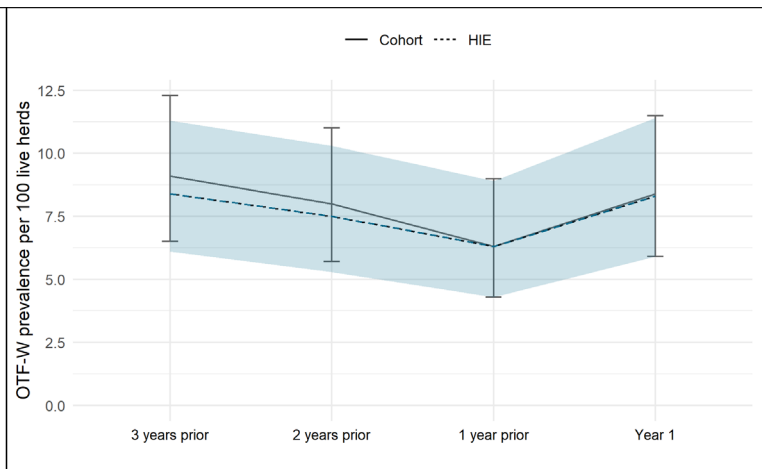
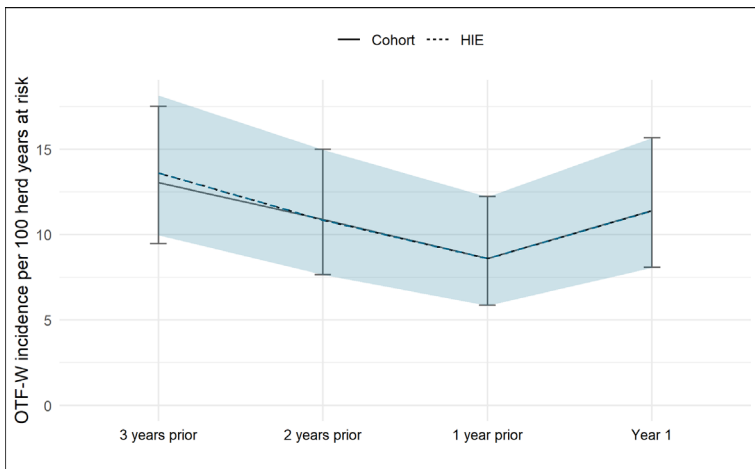
# Area 16 - Dorset

## OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	63	44	405	337.4	13.0	9.5	17.5	374	0
	2 years prior	63	37	416	339.9	10.9	7.7	15.0	556	0
	1 year prior	58	31	436	359.8	8.6	5.9	12.2	390	6
	Year 1	56	38	458	332.9	11.4	8.1	15.7	422	237
HIE	3 years prior	67	46	511	338.0	13.6	10.0	18.2	380	0
	2 years prior	63	37	463	340.8	10.9	7.6	15.0	558	0
	1 year prior	59	31	464	360.5	8.6	5.8	12.2	393	6
	Year 1	56	38	459	333.4	11.4	8.1	15.6	422	237

## OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	45	38	416	9.1	6.5	12.3
	2 years prior	49	35	436	8.0	5.7	11.0
	1 year prior	48	29	457	6.3	4.3	9.0
	Year 1	50	35	417	8.4	5.9	11.5
HIE	3 years prior	47	39	463	8.4	6.1	11.3
	2 years prior	50	35	464	7.5	5.3	10.3
	1 year prior	48	29	459	6.3	4.3	8.9
	Year 1	50	35	421	8.3	5.9	11.4



## Area 16 - Dorset buffer

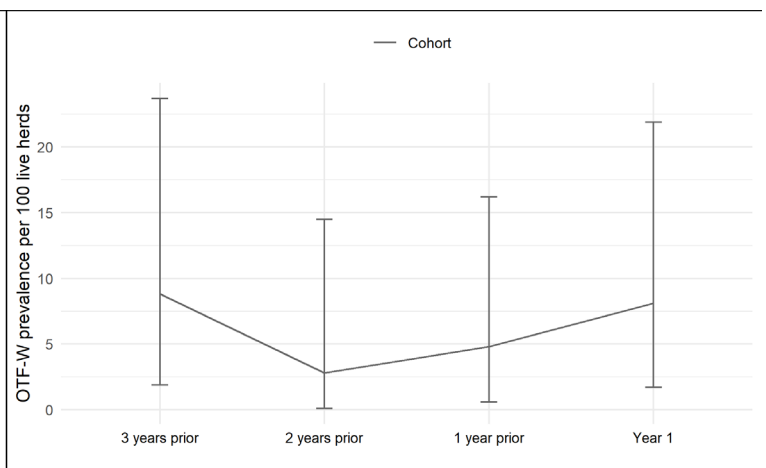
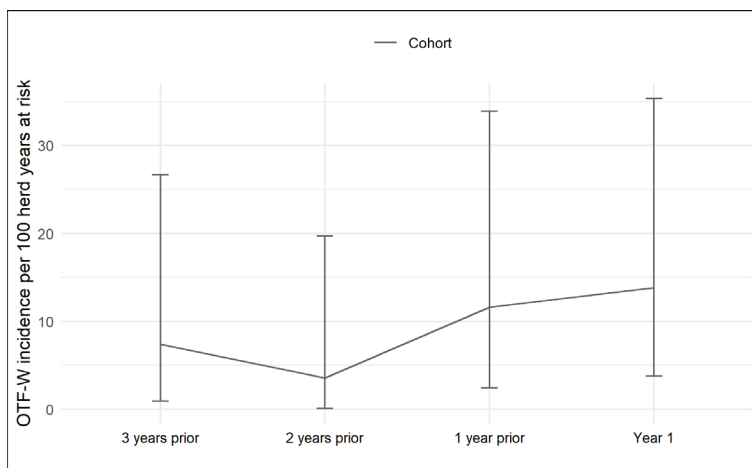
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 16-Dorset	45	100

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	5	2	33	27.1	7.4	0.9	26.7	23	0
	2 years prior	4	1	34	28.3	3.5	0.1	19.7	15	0
	1 year prior	5	3	36	25.9	11.6	2.4	33.9	26	0
	Year 1	5	4	42	29.0	13.8	3.8	35.4	28	0

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	3	3	34	8.8	1.9	23.7
	2 years prior	3	1	36	2.8	0.1	14.5
	1 year prior	3	2	42	4.8	0.6	16.2
	Year 1	4	3	37	8.1	1.7	21.9



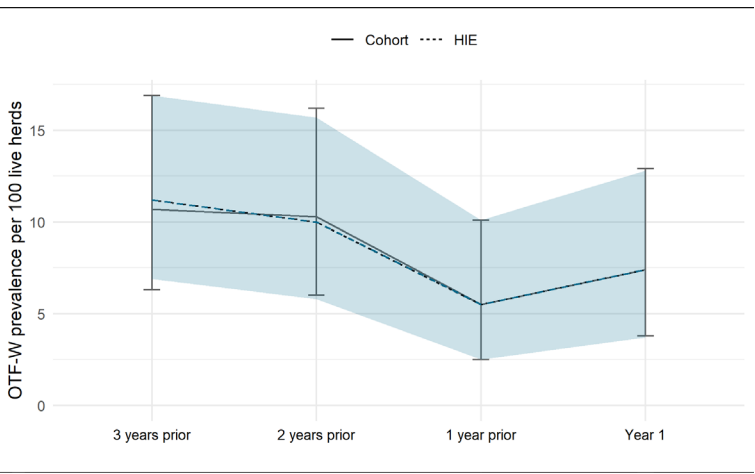
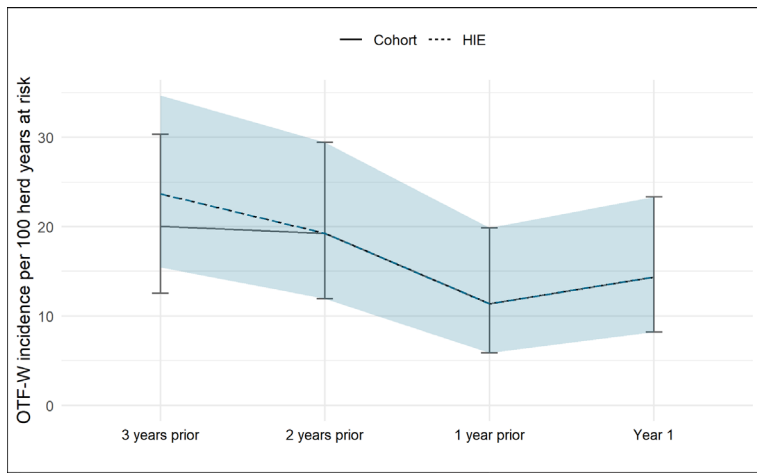
# Area 17 - Somerset central

## OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	31	22	137	109.8	20.0	12.6	30.3	116	0
	2 years prior	28	21	149	109.0	19.3	11.9	29.4	152	0
	1 year prior	19	12	155	105.4	11.4	5.9	19.9	134	0
	Year 1	19	16	165	111.2	14.4	8.2	23.4	77	0
HIE	3 years prior	37	26	179	109.8	23.7	15.5	34.7	152	0
	2 years prior	28	21	170	109.0	19.3	11.9	29.4	152	0
	1 year prior	19	12	160	105.4	11.4	5.9	19.9	134	0
	Year 1	19	16	165	111.2	14.4	8.2	23.4	77	0

## OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	23	16	149	10.7	6.3	16.9
	2 years prior	21	16	155	10.3	6.0	16.2
	1 year prior	10	9	165	5.5	2.5	10.1
	Year 1	11	11	148	7.4	3.8	12.9
HIE	3 years prior	27	19	170	11.2	6.9	16.9
	2 years prior	21	16	160	10.0	5.8	15.7
	1 year prior	10	9	165	5.5	2.5	10.1
	Year 1	11	11	149	7.4	3.7	12.8



## Area 17 - Somerset buffer

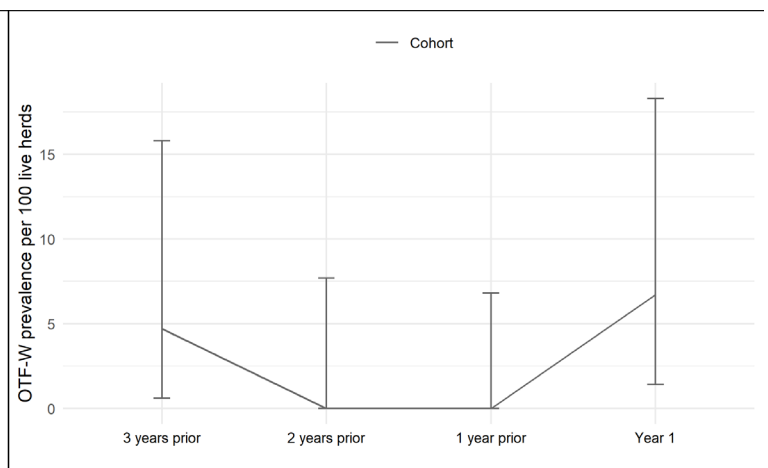
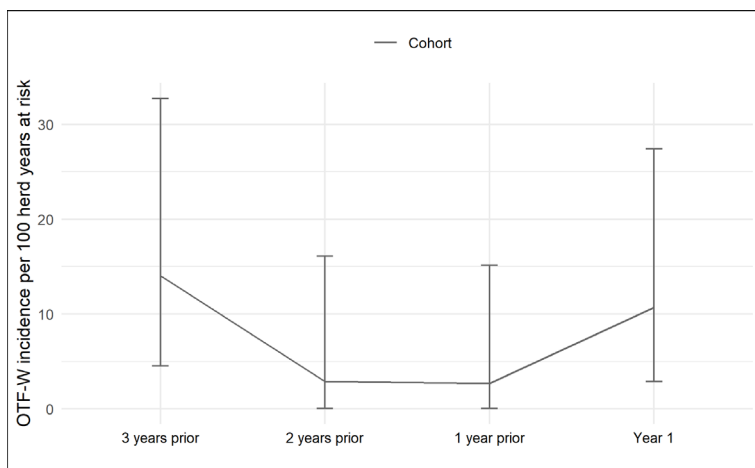
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 17-Somerset	60	100

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	5	5	37	35.7	14.0	4.6	32.7	8	0
	2 years prior	1	1	43	34.5	2.9	0.1	16.1	0	0
	1 year prior	5	1	46	36.8	2.7	0.1	15.1	20	0
	Year 1	5	4	52	37.4	10.7	2.9	27.4	30	3

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	2	2	43	4.7	0.6	15.8
	2 years prior	0	0	46	0.0	0.0	7.7
	1 year prior	1	0	52	0.0	0.0	6.8
	Year 1	4	3	45	6.7	1.4	18.3



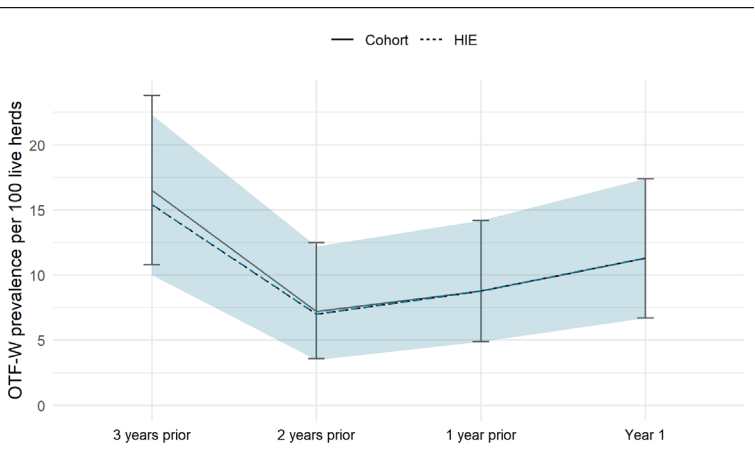
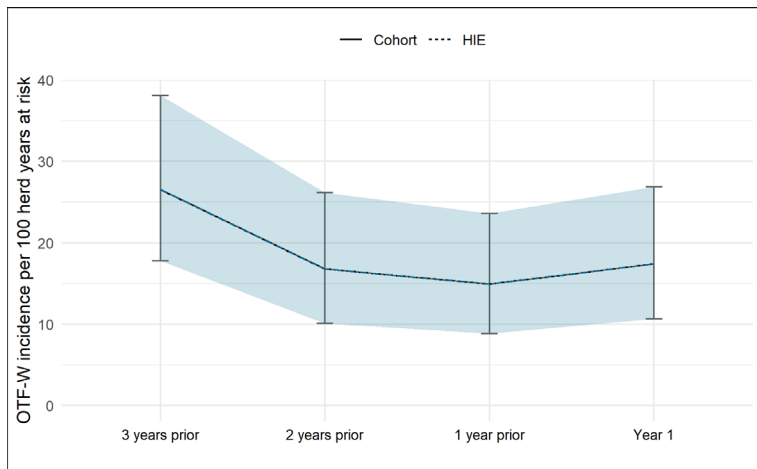
# Area 18 - Somerset central

## OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	32	29	127	109.2	26.5	17.8	38.1	283	0
	2 years prior	25	19	139	113.3	16.8	10.1	26.2	252	20
	1 year prior	24	18	153	120.5	14.9	8.9	23.6	170	33
	Year 1	22	20	160	114.8	17.4	10.6	26.9	235	225
HIE	3 years prior	32	29	160	109.2	26.5	17.8	38.1	283	0
	2 years prior	25	19	149	113.3	16.8	10.1	26.2	251	20
	1 year prior	24	18	157	120.5	14.9	8.9	23.6	170	33
	Year 1	22	20	160	114.8	17.4	10.6	26.9	235	225

## OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	23	23	139	16.5	10.8	23.8
	2 years prior	13	11	153	7.2	3.6	12.5
	1 year prior	15	14	160	8.8	4.9	14.2
	Year 1	17	17	151	11.3	6.7	17.4
HIE	3 years prior	23	23	149	15.4	10.0	22.3
	2 years prior	13	11	157	7.0	3.5	12.2
	1 year prior	15	14	160	8.8	4.9	14.2
	Year 1	17	17	151	11.3	6.7	17.4



## Area 18 - Somerset buffer

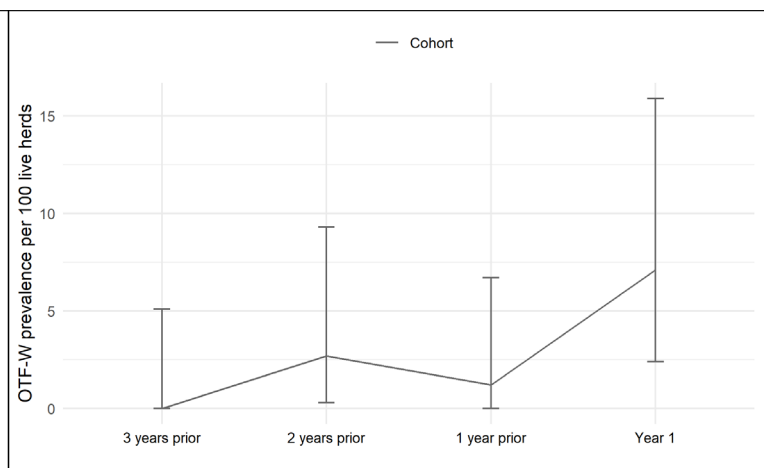
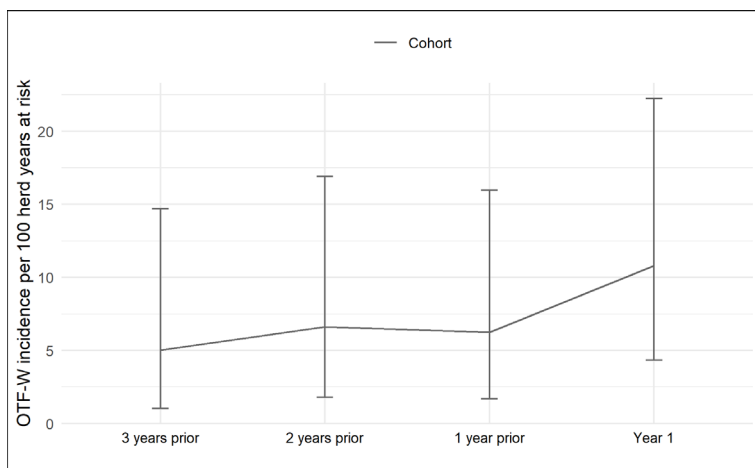
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 18-Somerset	57	100

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	6	3	67	59.6	5.0	1.0	14.7	24	0
	2 years prior	6	4	70	60.5	6.6	1.8	16.9	23	0
	1 year prior	7	4	75	64.1	6.2	1.7	16.0	18	0
	Year 1	9	7	81	64.8	10.8	4.3	22.3	82	0

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	2	0	70	0.0	0.0	5.1
	2 years prior	3	2	75	2.7	0.3	9.3
	1 year prior	2	1	81	1.2	0.0	6.7
	Year 1	7	5	70	7.1	2.4	15.9



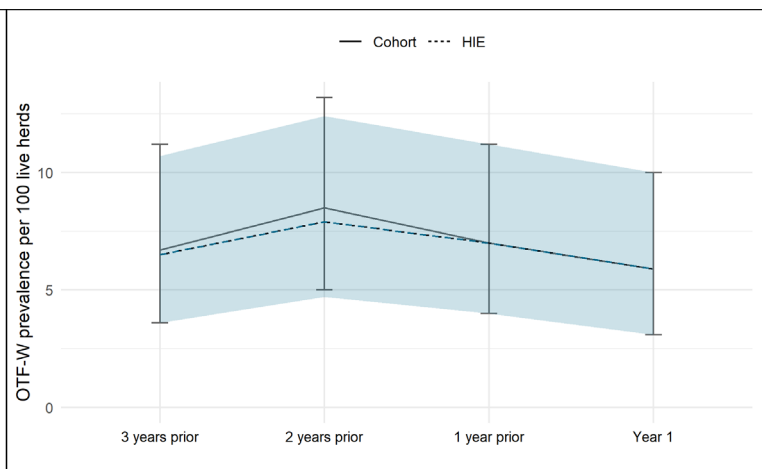
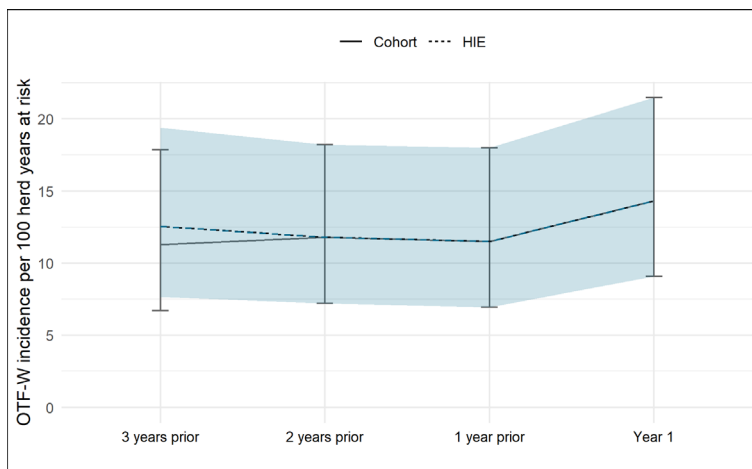
## Area 19 - Wiltshire central

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	23	18	181	159.4	11.3	6.7	17.8	137	0
	2 years prior	36	20	193	169.7	11.8	7.2	18.2	215	0
	1 year prior	34	19	201	165.0	11.5	6.9	18.0	307	0
	Year 1	30	23	215	160.6	14.3	9.1	21.5	324	9
HIE	3 years prior	25	20	214	159.4	12.5	7.7	19.4	143	0
	2 years prior	37	20	214	169.7	11.8	7.2	18.2	222	0
	1 year prior	34	19	215	165.0	11.5	6.9	18.0	307	0
	Year 1	30	23	215	160.6	14.3	9.1	21.5	324	9

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	14	13	193	6.7	3.6	11.2
	2 years prior	26	17	201	8.5	5.0	13.2
	1 year prior	21	15	215	7.0	4.0	11.2
	Year 1	14	12	205	5.9	3.1	10.0
HIE	3 years prior	15	14	214	6.5	3.6	10.7
	2 years prior	27	17	215	7.9	4.7	12.4
	1 year prior	21	15	215	7.0	4.0	11.2
	Year 1	14	12	205	5.9	3.1	10.0



## Area 19 - Wiltshire buffer

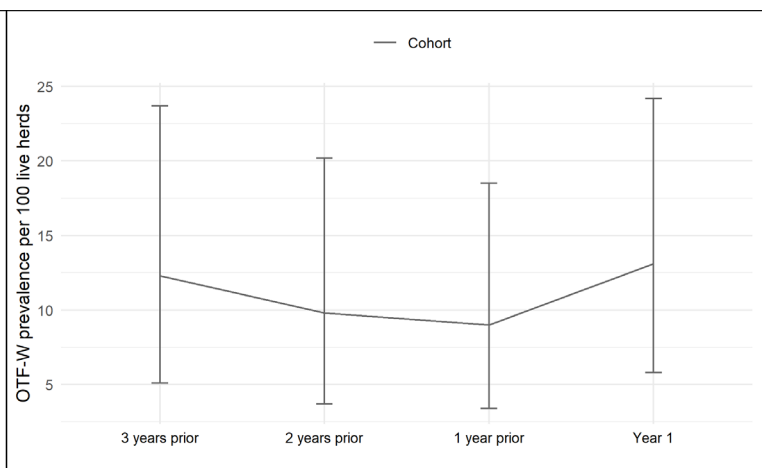
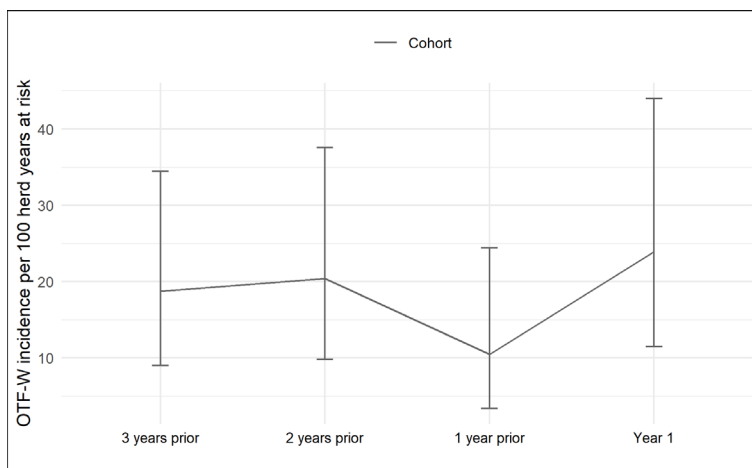
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 19-Wiltshire	82	100

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	15	10	54	53.3	18.8	9.0	34.5	84	0
	2 years prior	11	10	57	48.9	20.4	9.8	37.6	120	0
	1 year prior	7	5	61	47.8	10.5	3.4	24.4	115	0
	Year 1	13	10	67	41.8	23.9	11.5	44.0	89	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	7	7	57	12.3	5.1	23.7
	2 years prior	6	6	61	9.8	3.7	20.2
	1 year prior	7	6	67	9.0	3.4	18.5
	Year 1	9	8	61	13.1	5.8	24.2





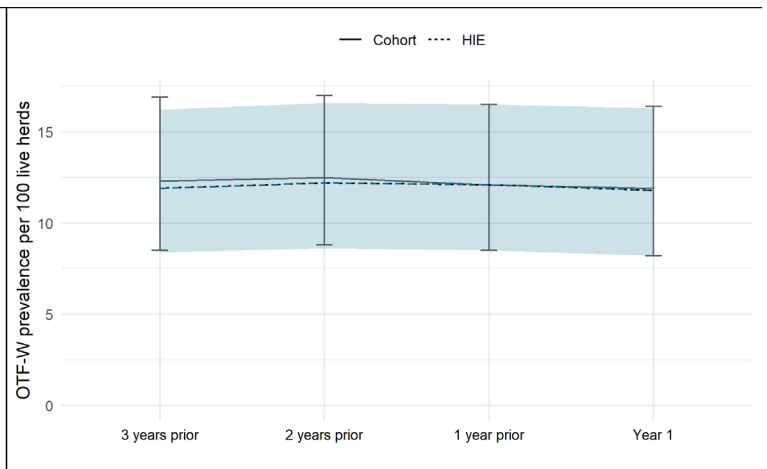
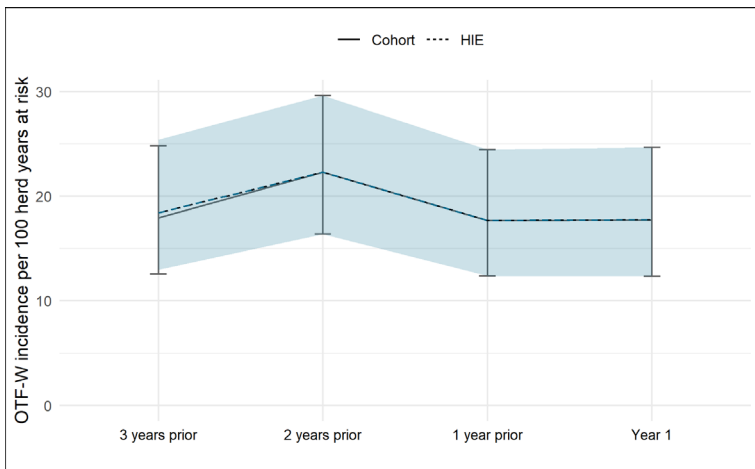
# Area 20 - Wiltshire central

## OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval		Reactors		
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	51	36	255	200.7	17.9	12.6	24.8	463	15
	2 years prior	57	47	261	210.8	22.3	16.4	29.6	619	26
	1 year prior	51	36	273	203.8	17.7	12.4	24.5	401	3
	Year 1	46	35	281	197.2	17.7	12.4	24.7	409	7
HIE	3 years prior	53	37	293	200.7	18.4	13.0	25.4	465	15
	2 years prior	57	47	286	210.8	22.3	16.4	29.6	618	26
	1 year prior	51	36	287	203.8	17.7	12.4	24.5	401	3
	Year 1	46	35	281	197.2	17.7	12.4	24.7	409	7

## OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	36	32	261	12.3	8.5	16.9
	2 years prior	39	34	273	12.5	8.8	17.0
	1 year prior	43	34	281	12.1	8.5	16.5
	Year 1	37	31	261	11.9	8.2	16.4
HIE	3 years prior	40	34	286	11.9	8.4	16.2
	2 years prior	41	35	287	12.2	8.6	16.6
	1 year prior	43	34	281	12.1	8.5	16.5
	Year 1	37	31	263	11.8	8.2	16.3



## Area 20 - Wiltshire buffer

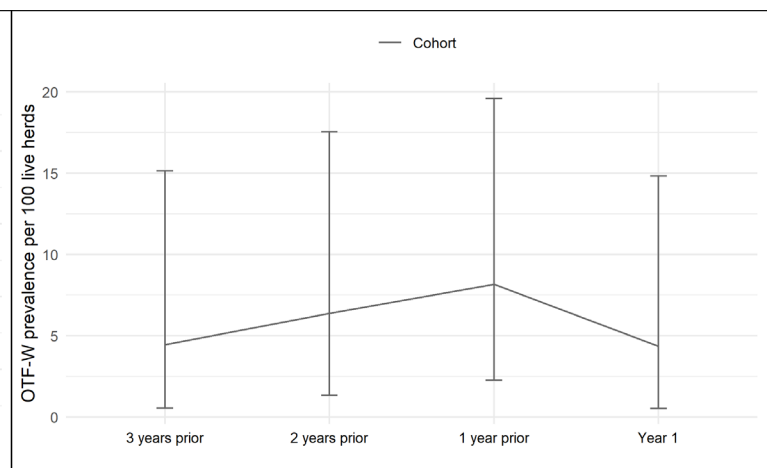
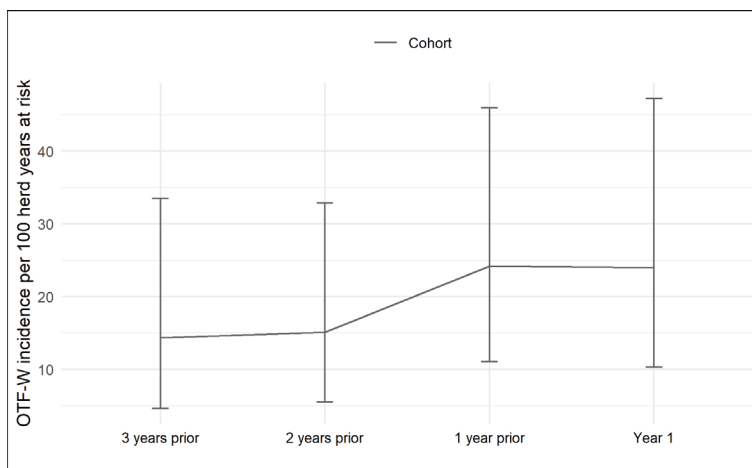
		% of original buffer area available
Area name	% 2km buffer area available at start	Year 1
Area 20-Wiltshire	84	100

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	5	5	39	34.8	14.4	4.7	33.5	25	0
	2 years prior	7	6	45	39.7	15.1	5.5	32.9	38	0
	1 year prior	9	9	47	37.2	24.2	11.1	46.0	39	0
	Year 1	13	8	49	33.3	24.0	10.4	47.3	64	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	2	2	45	4.4	0.5	15.1
	2 years prior	3	3	47	6.4	1.3	17.5
	1 year prior	4	4	49	8.2	2.3	19.6
	Year 1	4	2	46	4.3	0.5	14.8



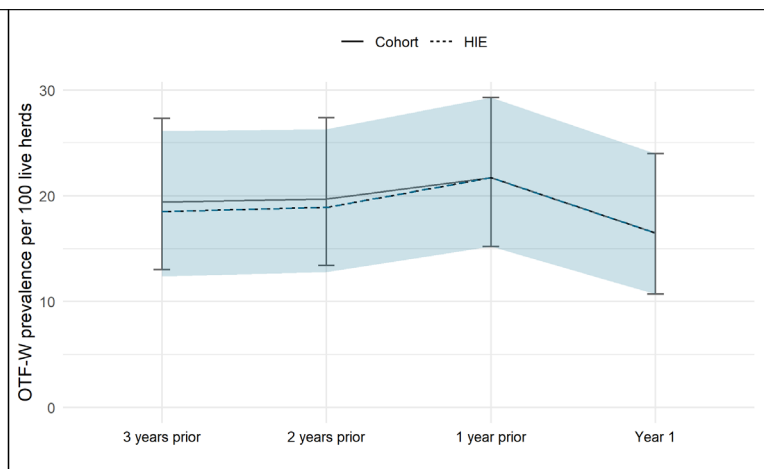
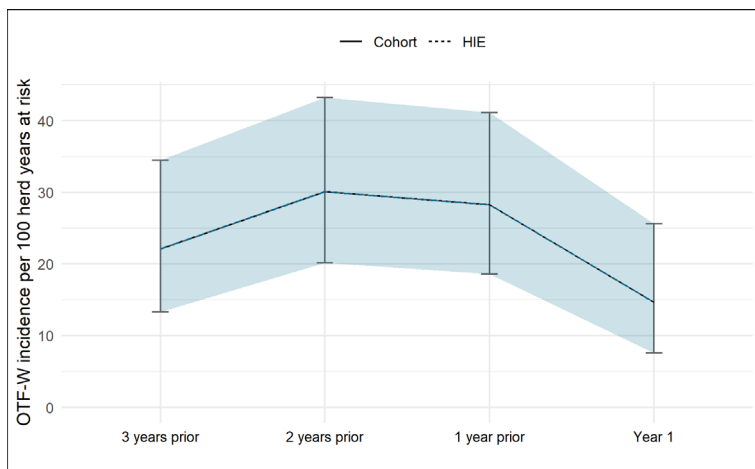
## Area 21 - Wiltshire central

### OTF-W Incidence

Area	Year	New breakdowns				95% confidence interval			Reactors	
		All	OTF-W	Herds	TAR	OTF-W incidence rate	Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	23	19	121	86.0	22.1	13.3	34.5	256	0
	2 years prior	31	29	129	96.3	30.1	20.2	43.3	268	0
	1 year prior	34	27	137	95.5	28.3	18.6	41.1	285	0
	Year 1	22	12	143	81.8	14.7	7.6	25.6	248	7
HIE	3 years prior	23	19	145	86.0	22.1	13.3	34.5	256	0
	2 years prior	31	29	135	96.3	30.1	20.2	43.3	268	0
	1 year prior	34	27	143	95.5	28.3	18.6	41.1	285	0
	Year 1	22	12	143	81.8	14.7	7.6	25.6	248	7

### OTF-W Prevalence

Area	Year	Herds under restriction			95% confidence interval		
		All	OTF-W	Herds	OTF-W prevalence	Lower	Upper
Cohort	3 years prior	28	25	129	19.4	13.0	27.3
	2 years prior	28	27	137	19.7	13.4	27.4
	1 year prior	34	31	143	21.7	15.2	29.3
	Year 1	26	22	133	16.5	10.7	24.0
HIE	3 years prior	28	25	135	18.5	12.4	26.1
	2 years prior	28	27	143	18.9	12.8	26.3
	1 year prior	34	31	143	21.7	15.2	29.3
	Year 1	26	22	133	16.5	10.7	24.0



## Area 21 - Wiltshire buffer

% of original buffer area available		
Area name	% 2km buffer area available at start	Year 1
Area 21-Wiltshire	77	100

### OTF-W Incidence

Area	Year	New breakdowns				OTF-W incidence rate	95% confidence interval		Reactors	
		All	OTF-W	Herds	TAR		Lower	Upper	Skin	IFN gamma
Cohort	3 years prior	12	9	42	34.3	26.2	12.0	49.8	100	0
	2 years prior	10	7	44	35.9	19.5	7.8	40.2	61	0
	1 year prior	11	7	48	35.7	19.6	7.9	40.4	72	0
	Year 1	14	12	49	32.6	36.8	19.0	64.2	92	0

### OTF-W Prevalence

Area	Year	Herds under restriction			OTF-W prevalence	95% confidence interval	
		All	OTF-W	Herds		Lower	Upper
Cohort	3 years prior	11	8	44	18.2	8.2	32.7
	2 years prior	5	4	48	8.3	2.3	20.0
	1 year prior	7	4	49	8.2	2.3	19.6
	Year 1	12	11	48	22.9	12.0	37.3

