

FOR INFORMATION

NSDIP Advisory Committee Annual Meeting 2021

Agenda Item 1.2

Last updated: 2 February 2022

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National Significant Disease Investigation Program Status Report 2021

RECOMMENDATION

1. That the NSDIP Advisory Committee NOTE the program status report and performance for 2020-21

BACKGROUND

2. The National Significant Disease Investigation Program (NSDIP) is an ongoing, core subscription program of Animal Health Australia. The NSDIP seeks to increase engagement with private veterinarians and to deliver tailored programs with the aim of increasing the quantity and quality of livestock and wildlife disease investigations reported nationally.
3. Key outcomes (as per the AHA AOP) for 2020-21 were
 - Stronger connections between government and private veterinarians
 - Increased number of significant disease investigations are undertaken nationally, supporting trade and market access
 - Professional development is supported for veterinarians in remote or isolated areas
 - Facilitate a national approach to increasing Australia's capacity for general surveillance through private veterinary practitioners.

DISCUSSION

4. Financial summary

The total budget for the NSDIP, as approved by members in the 2020-21 AHA Annual Operating Plan was \$282,927. At the end of June 2021, the total expenditure was within budget with an overall expenditure of \$256,796 (Figure 1). COVID-19 travel restrictions prevented the face-to-face training that Queensland had planned to be undertaken for a second year. Meeting costs were less than budgeted, with the annual meeting held in a virtual format in 2020.

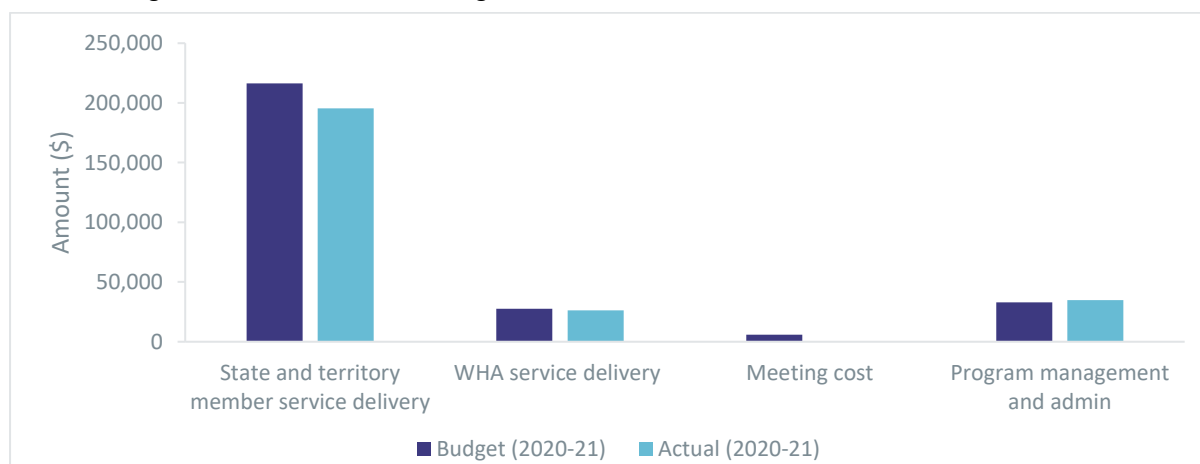


Figure 1 Project financial summary 2020-2021¹

¹ Figures for state and territory member service delivery and WHA service delivery affected by prior and current year accruals. Actual costs may vary.

Table 1 Deliverables and performance

Key outputs/deliverables 2020-21	Target	Outcome	Comment
Significant disease investigations undertaken by non-government veterinary practitioners in collaboration with government laboratories	June 2021	Complete	Details of disease investigations supported through the program are outlined in Figures 1-6.
Participation of sentinel veterinary clinics in a surveillance network for wildlife disease	June 2021	Complete	WHA continue to manage a wildlife sentinel veterinary clinic network. Refer to Item 2.1 for further information.
Disease investigation training for non-government veterinary practitioners	June 2021	Partially complete	Face to face animal disease investigation training in some jurisdictions was delayed due to human biosecurity restrictions resulting from COVID-19.
A National Animal Health Information System (NAHIS) data project collating administrative records of disease investigations undertaken in the Program	June 2021	Complete	AHA has maintained a discrete data project for the NSDIP within the NAHIS. A key component of maintain ace was updating the code for the mapping outputs.
An annual program report in the Animal Health in Australia (AHIA) publication	May 2021	Complete	A program report was published as part of the 2020 AHIA Annual Report, highlighting the role of private veterinary practitioners in supporting general surveillance and disease investigations
A program page maintained on the AHA website	June 2021	Complete	As part of the AHA website redevelopment, the NSDIP page was reviewed, ensuring information about the program, including ensuring that links to specific pages for each state/territory and WHA were current.

Table 2 Key achievements and operational issues

Key achievements or operational issues	Strategies for addressing operational issues	Resolved (Y/N)
Achievement: National application of the program	The program continues to be well utilised across all components and provides a national platform to increase collaboration with private veterinarians.	n/a
Operational: some challenges with data upload and the identification of location codes into NAHIS	Exploring functionality for agencies that use latitude and longitude to have the system calculate the location code as part of simplifying the upload process	In progress

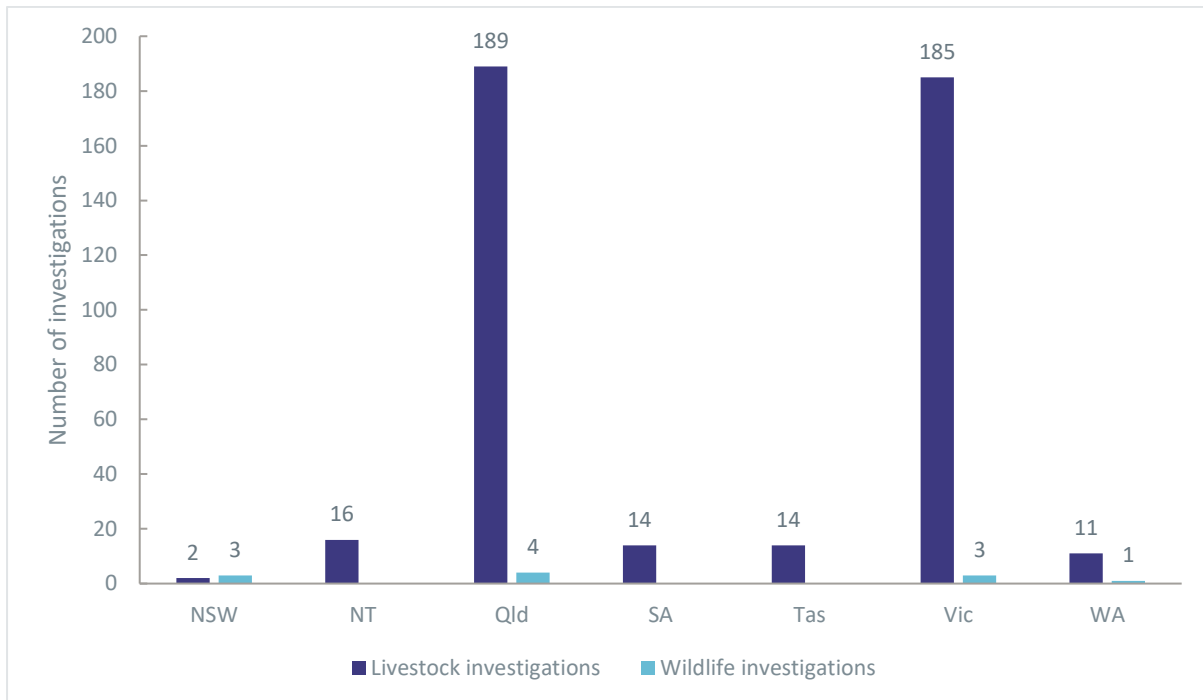


Figure 2 Number of NSDIP livestock and wildlife disease event investigations, by jurisdiction, 1 July 2020 to 30 June 2021

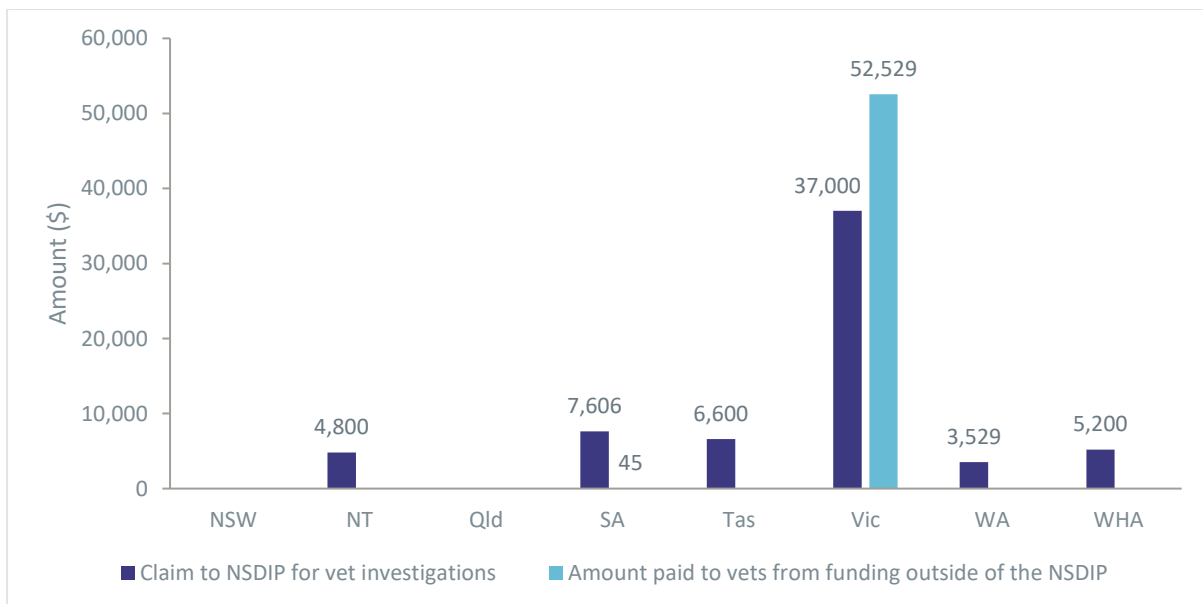


Figure 3 Amount paid for vet investigations under the NSDIP and co-contributions on designated NSDIP investigations from other sources, by jurisdiction, 1 July 2020 to 30 June 2021.

Note: additional activities fully funded through other mechanisms within jurisdictions are not included in this figure.

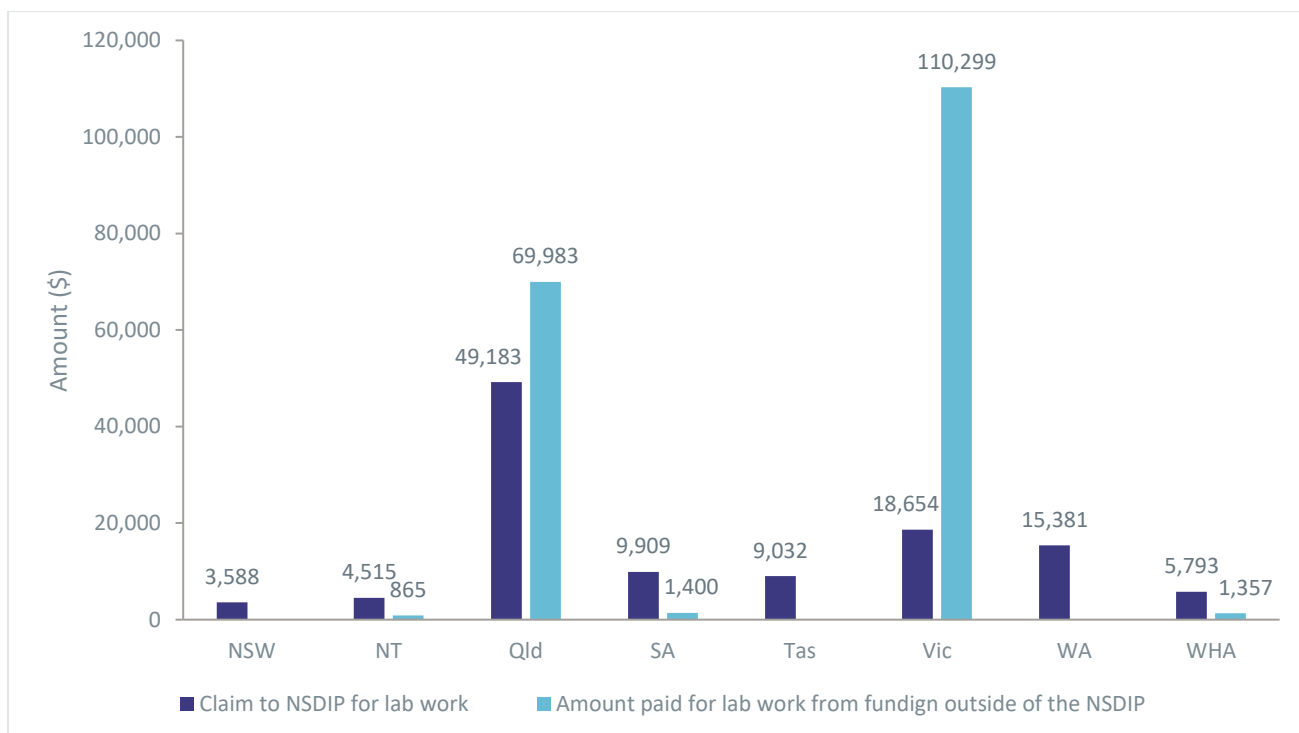


Figure 4 Amount paid for laboratory work associated with investigations under the NSDIP and co-contributions on designated NSDIP investigations from other sources, by jurisdiction, 1 July 2020 to 30 June 2021.

Note: additional activities fully funded through other mechanisms within jurisdictions are not included in this figure.

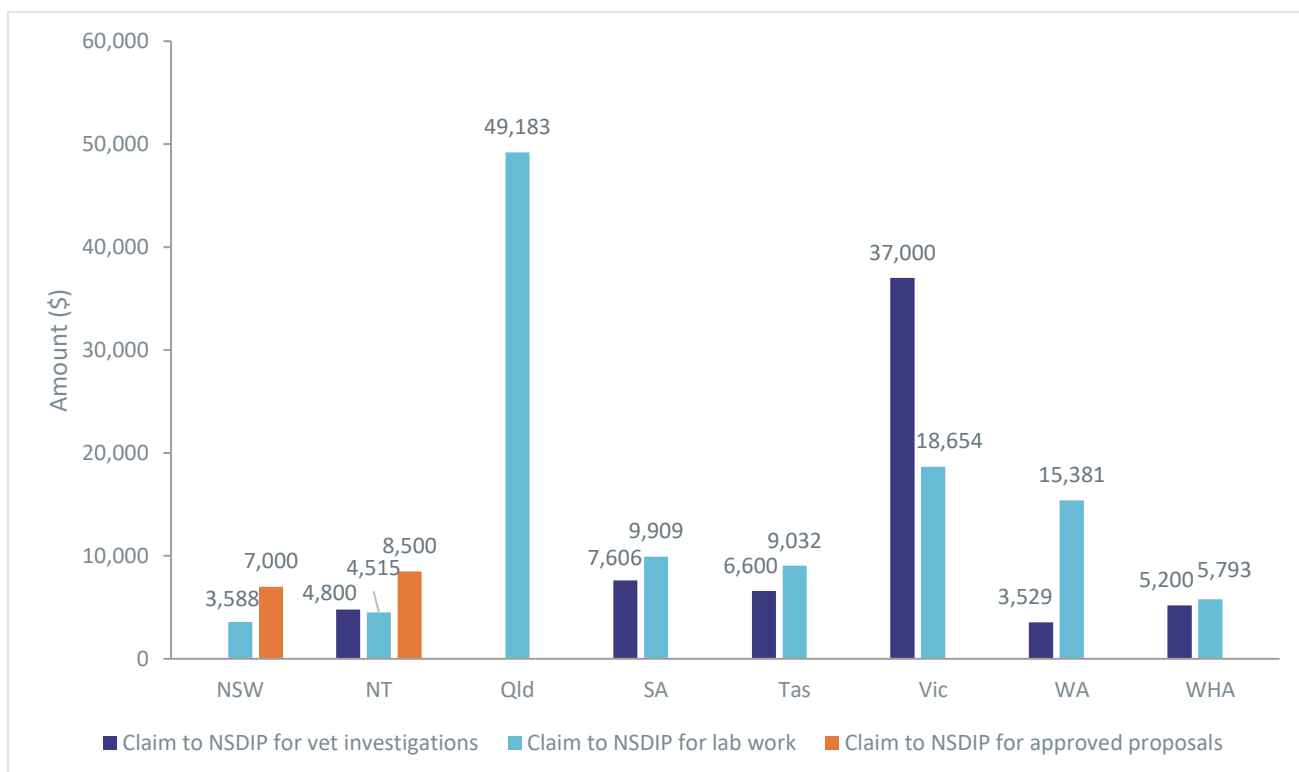


Figure 5 Amount claimed per agency on disease investigations, laboratory work and approved proposals (e.g. training) through NSDIP, 1 July 2020 to 30 June 2021.

* Training figures are yet to be finalised, expenditure has been accrued.

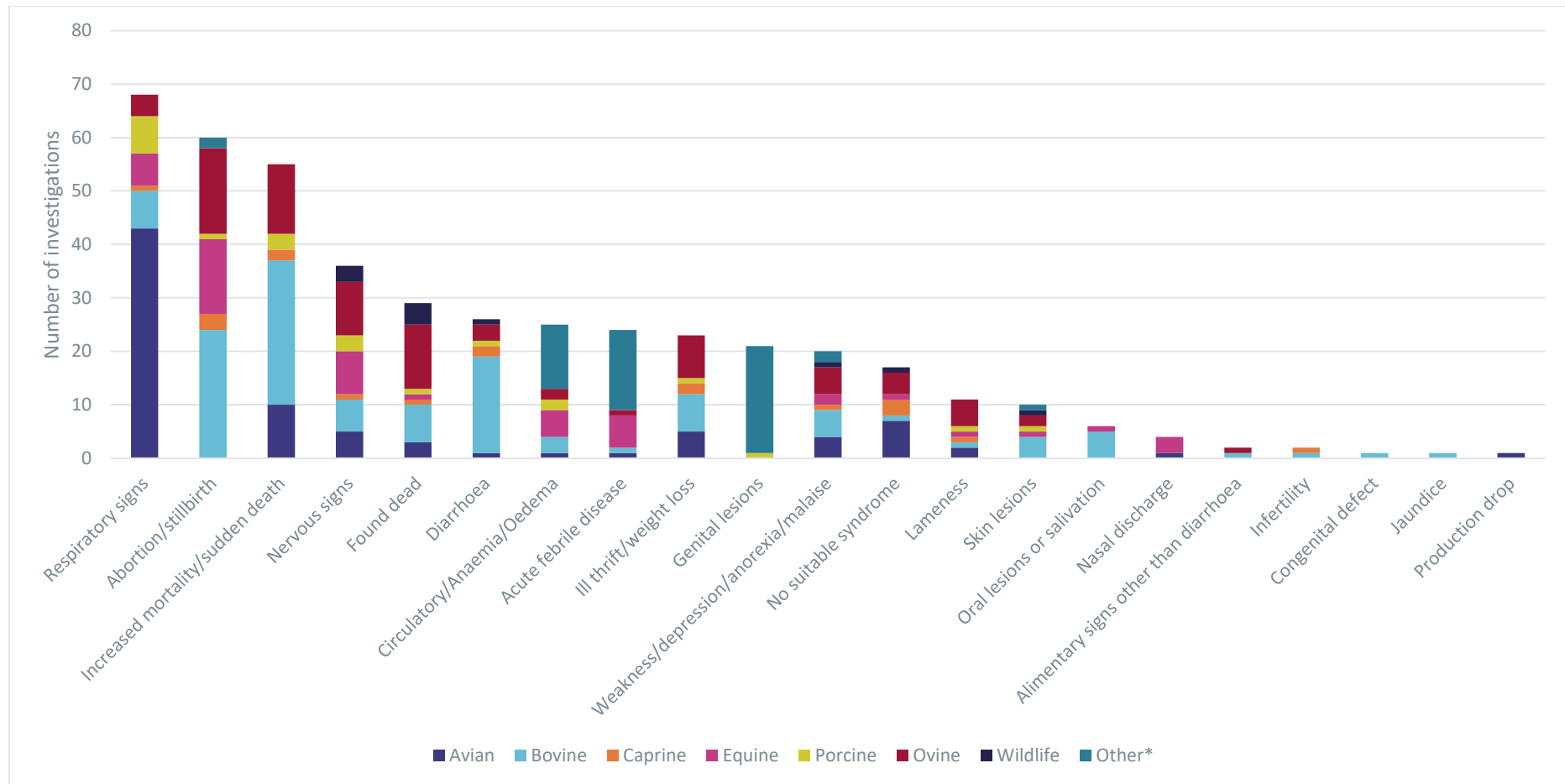


Figure 6 Number of NSDIP investigations reported by syndrome and species, 1 July 2020 to 30 June 2021.

*Other refers to canines

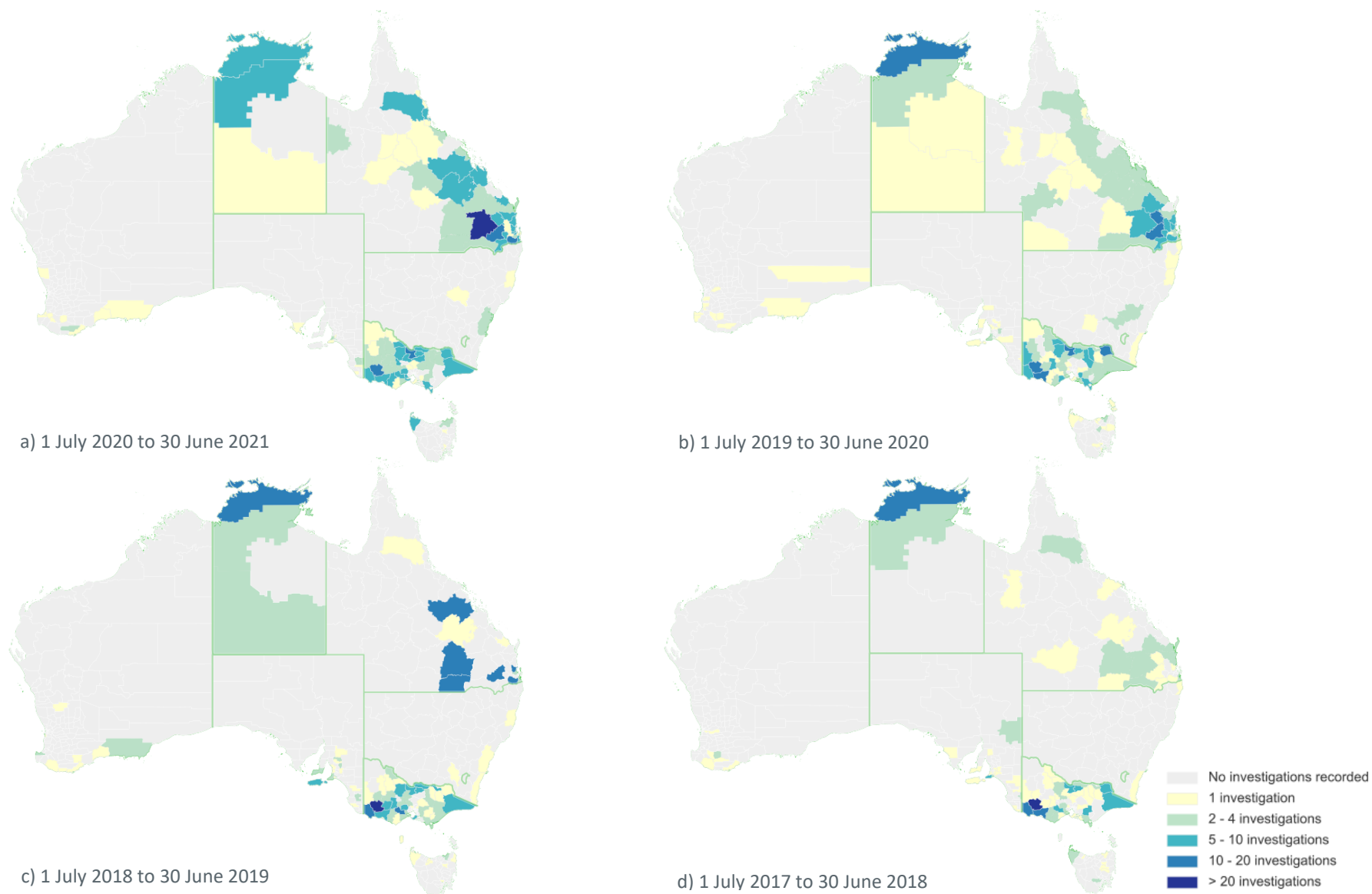


Figure 7 Maps showing the number of investigations undertaken with support through the NSDIP, by local government area (or equivalent) by year

Table 3 Exclusions of national notifiable diseases associated with cases investigated through the NSDIP

National notifiable disease	Number of exclusions
African horse sickness	9
African swine fever	8
Anthrax	1
Aujeszky's disease	3
Australian bat lyssavirus	5
Avian influenza	10
Avian paramyxovirus	1
<i>B. abortus</i>	6
<i>B. melitensis</i>	1
Bungowannah virus	1
<i>B. suis</i>	2
Bluetongue	2
Borna disease	1
Botulism	1
Bovine leukaemia virus (enzootic bovine leucosis)	1
Bovine virus diarrhoea Type 2	4
Brucellosis	3
Classical swine fever	7
Contagious agalactia (clinical disease)	1
Duck hepatitis virus	1
Eastern, Western or Venezuelan equine encephalomyelitis viruses	2
Encephalitides (tick-borne)	1
Enzootic bovine leucosis	2
Equine herpesvirus-1	6
Equine influenza virus	1
Food-and-mouth disease	12
Hendra	9
Influenza A virus in swine	4
Jaagsiekte	1
Lumpy skin disease virus	3
Malignant catarrhal fever (wildebeest associated)	3
Maedi-visna	1
<i>Mycobacterium avium</i>	1
<i>Mycobacterium tuberculosis</i>	1
<i>Mycoplasma</i> spp.	3
Newcastle disease	7
Paratuberculosis - Johne's disease	6
Peste des petits ruminants	2
Porcine reproductive and respiratory syndrome	4
Rift valley fever	7
<i>Salmonella</i> Enteritidis	1
Screw-worm fly	2
Sheep pox	2
<i>Theileria parva</i> (East Coast fever)	1
Transmissible spongiform encephalopathies	2
Transmissible gastroenteritis coronavirus	1
Vesicular stomatitis virus	11
Wesselbron virus	1
West Nile virus	3
White-nose syndrome	1