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SA Health Online Immunisation Education Programs

Summary of programs:
registration and evaluation data
1 Jul 2021 – 30 Jun 2022



Government
of South Australia

SA Health

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Overview

SA Health has created a suite of online immunisation education programs for health professionals. The courses provide information that will assist health professionals providing an immunisation service and provides readily accessible comprehensive and affordable education to maintain the level of knowledge, skills and professionalism required to deliver a safe immunisation service.

Maintaining currency of course content and implementing course enhancements is undertaken by the Immunisation Section, Communicable Disease Control Branch, Department for Health and Wellbeing. The online courses have been developed and are hosted and maintained through Digital Learning and Design, a core part of the Centre for Education and Training, Women's and Children's Health Network, SA Health.

Support for students completing the programs is available from the Immunisation Section by experienced registered nurses who have worked, or are currently working, as immunisation providers in the community. Student support was provided to users during the reporting period 1 July 2021 to 30 June 2022.

- > Responses by email – 4,002
- > Phone calls received and made – 3,658

Online Programs available:

1. *Understanding Vaccines and the National Immunisation Program*
2. *Understanding Vaccines for Midwives: Vaccination requirements during pregnancy and early childhood*
3. *Understanding vaccines and adult vaccination requirements for workplace programs*
4. *Immunisation: a training course for GPs*

Historical data on course purchases is available on request to the Immunisation Section in SA Health.

Course details

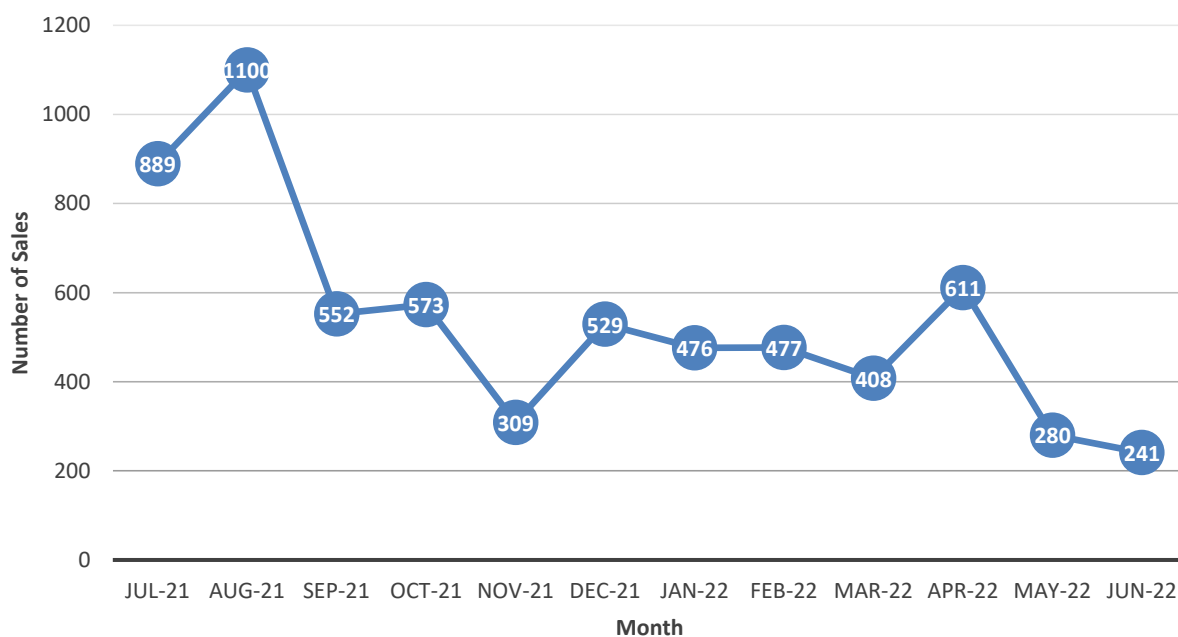
Understanding Vaccines and the National Immunisation Program

This comprehensive online education program has been available nationally for purchase since 2014. In 2021 the program was assessed against the National Immunisation Education Framework for Health Professionals by Health Education Services Australia (HESA) and gained national accreditation on August 6, 2021. *Understanding Vaccines and the National Immunisation Program* is a recognised program of study leading to approved health practitioners immunising without a medical order in all states and territories, if all other conditions of the relevant legislation are met.

- > Module 1: Immunisation from a public health perspective, effectiveness of immunisation programs, microbiology, immunology, vaccine development and vaccine types
- > Module 2: Vaccine preventable diseases and associated vaccines available in the National Immunisation Program
- > Module 3: Aboriginal people and other groups with special vaccination requirements, the legal and ethical considerations for immunisation practice, vaccine safety and adverse events
- > Module 4: Vaccine cold chain management, vaccine safety, managing adverse events following immunisation, planning a catch-up schedule and delivering an immunisation service

Total registrations nationally for the reporting period, 1 July 2021 to 30 June 2022, are 6,445 (Figure 1) with the majority of registrations in Victoria (VIC), Western Australia (WA), New South Wales (NSW) and South Australia (SA), by registered nurses and registered nurse/midwives in hospitals, school health and general practice (Figure 2 and 3).

Figure 1 – Total sales: 1 July 2021 to 30 June 2022 (n=6445)



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Figure 2 – Sales by state and territory: 1 July 2021 to 30 June 2022 (n=6445)

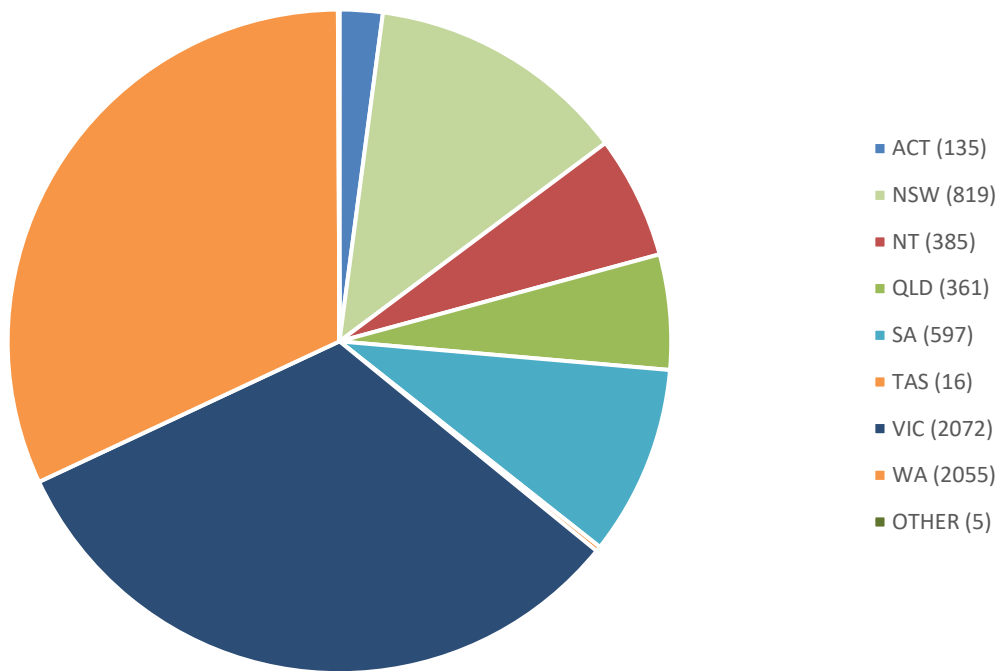
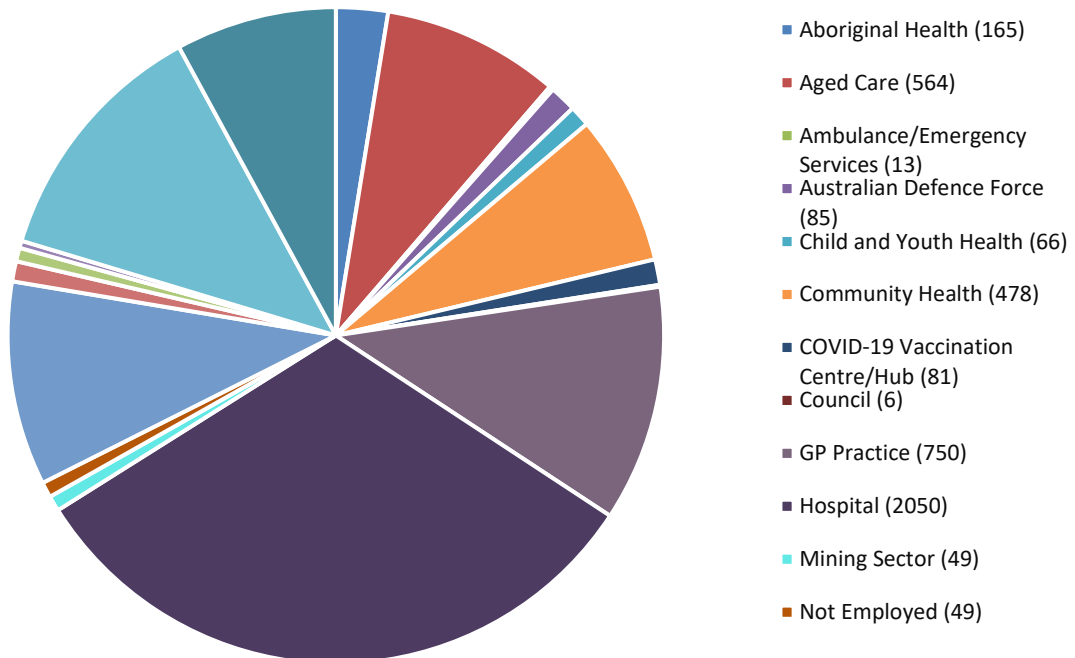


Figure 3 – Area of employment: 1 July 2021 to 30 June 2022 (n=6445)



Understanding Vaccines for Midwives: Vaccination requirements during pregnancy and early childhood

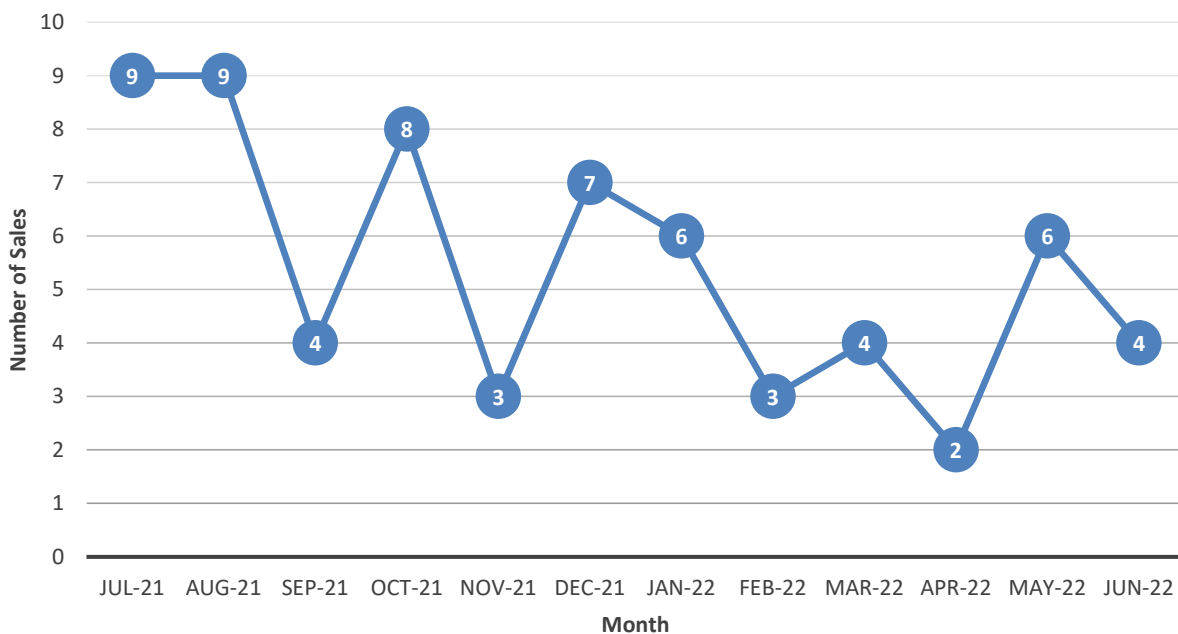
This program was developed specifically for midwives and has been available for purchase since 2016.

Course content:

- > Module 1: Microbiology, immunology, vaccine preventable disease and the associated vaccines, primarily those routinely recommended in pregnancy
- > Module 2: Legal and ethical considerations for immunisation practice, vaccine safety, adverse events, vaccine cold chain management and delivering an immunisation service

Total registrations nationally for the reporting period, 1 July 2021 to 30 June 2022, are 65 (Figure 1) with the majority of registrations in WA & NT by midwives in obstetric / maternity and hospitals (Figure 2 and 3).

Figure 1 – Total sales by month: 1 July 2021 to 30 June 2022 (n=65)



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Figure 2 – Sales by state and territory: 1 July 2021 to 30 June 2022 (n=65)

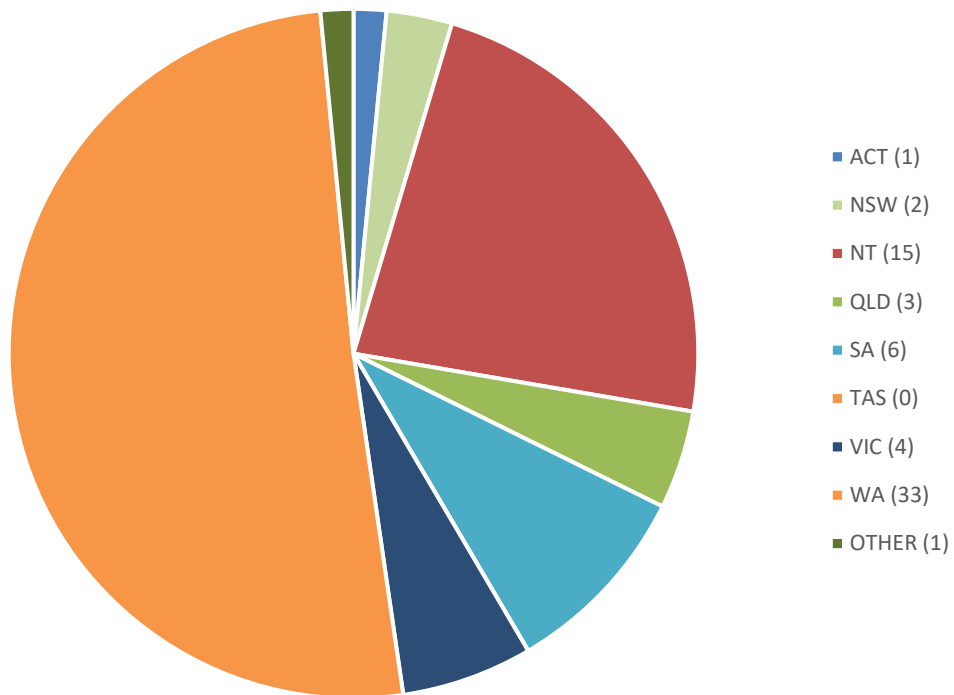
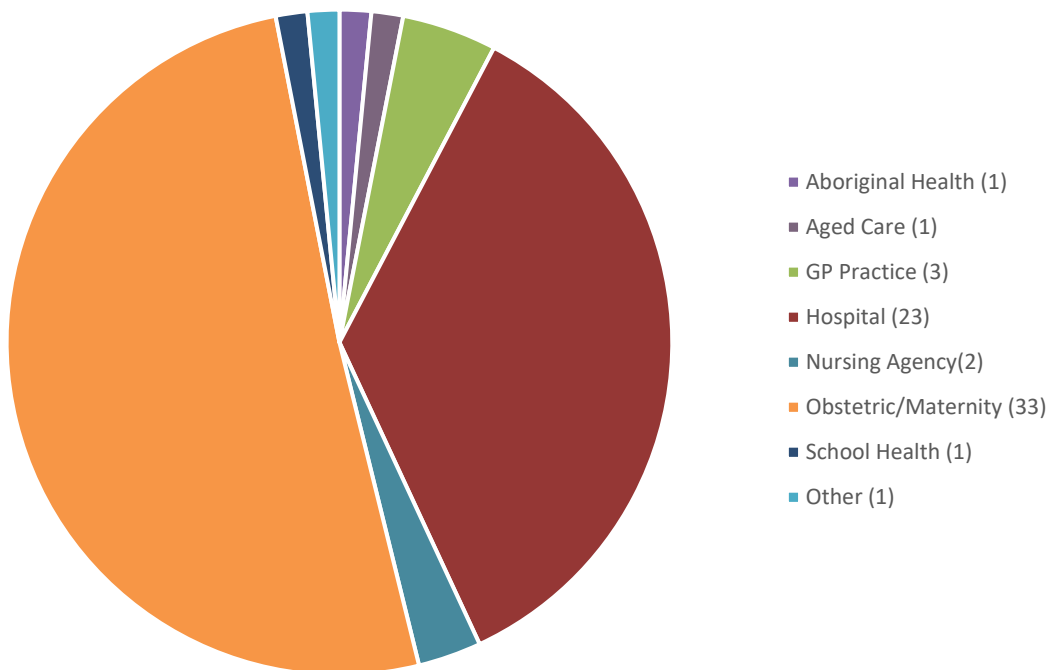


Figure 3 – Area of employment: 1 July 2021 to 30 June 2022 (n=65)



This is an approved program of study leading to authorisation for Registered Midwives immunising in Western Australia and South Australia, if all other conditions of the relevant legislation are met.

Understanding vaccines and adult vaccination requirements for workplace programs

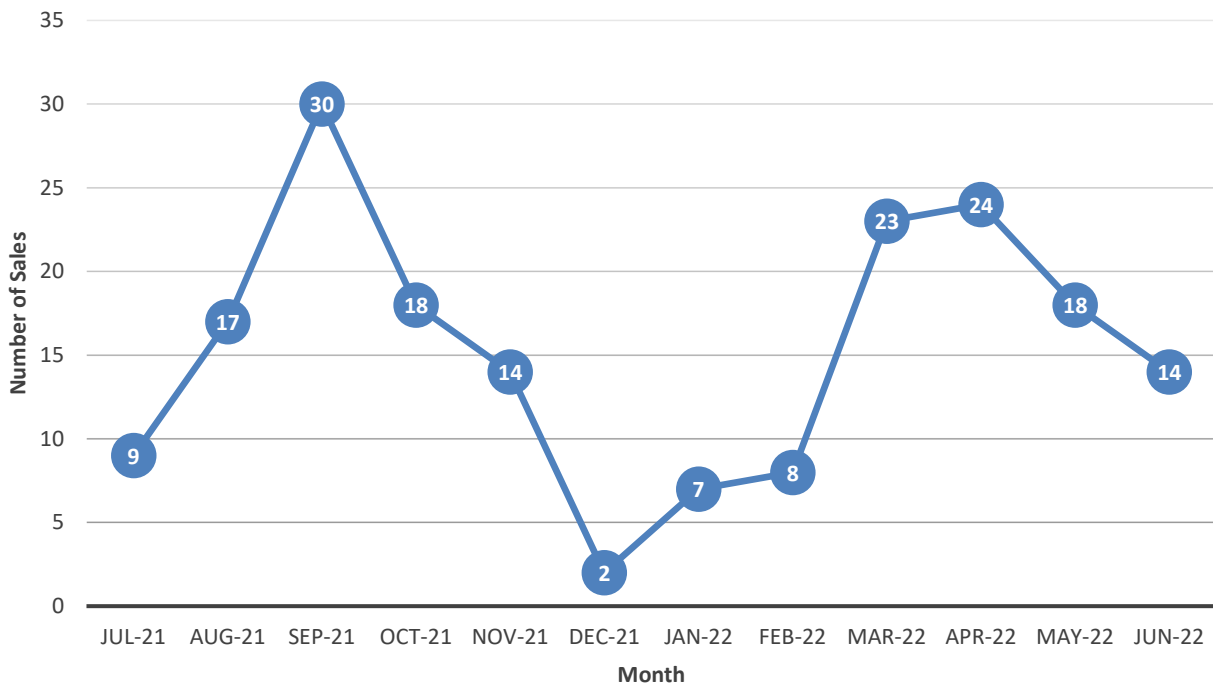
This program was developed for health professionals providing adult or occupational vaccination programs and has been available for purchase since 2016.

Course content:

- > Module 1: Immunisation from a public health perspective, effectiveness of immunisation programs microbiology, immunology, vaccine development and vaccine types.
- > Module 2: Vaccine preventable diseases and associated vaccines, primarily those recommended and administered to adults
- > Module 3: Legal and ethical considerations for immunisation practice, vaccine safety, adverse events, vaccine cold chain management and delivering an immunisation service

Total registrations nationally for the reporting period, 1 July 2021 to 30 June 2022, are 184 (Figure 1) with the majority of registrations in WA & SA by registered nurses in hospitals (Figures 2 and 3).

Figure 1 – Total sales by Month: 1 July 2021 to 30 June 2022 (n=184)



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Figure 2 – Sales by state and territory: 1 July 2021 to 30 June 2022 (n=184)

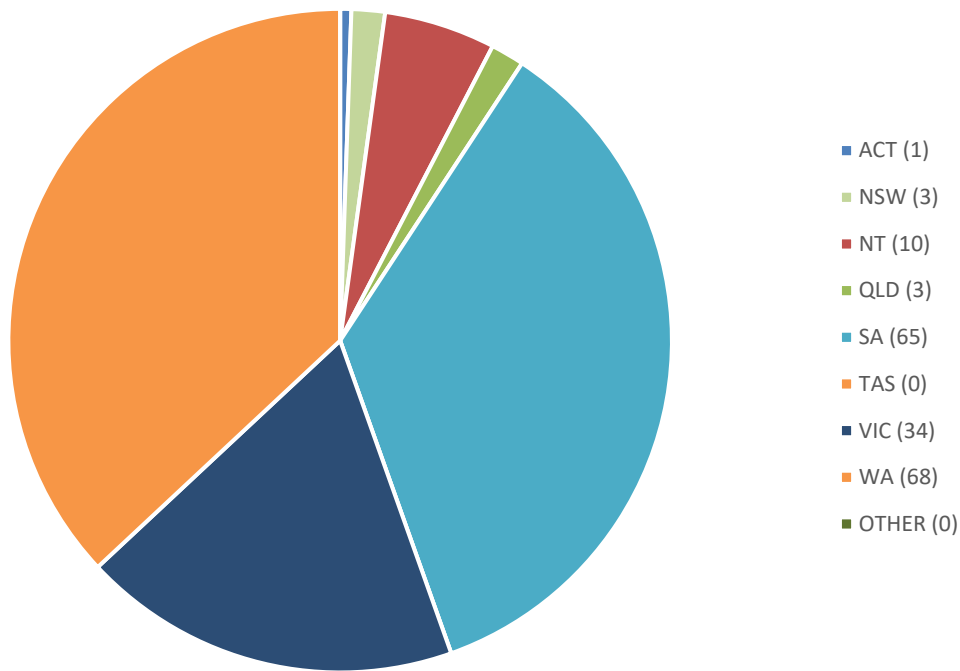
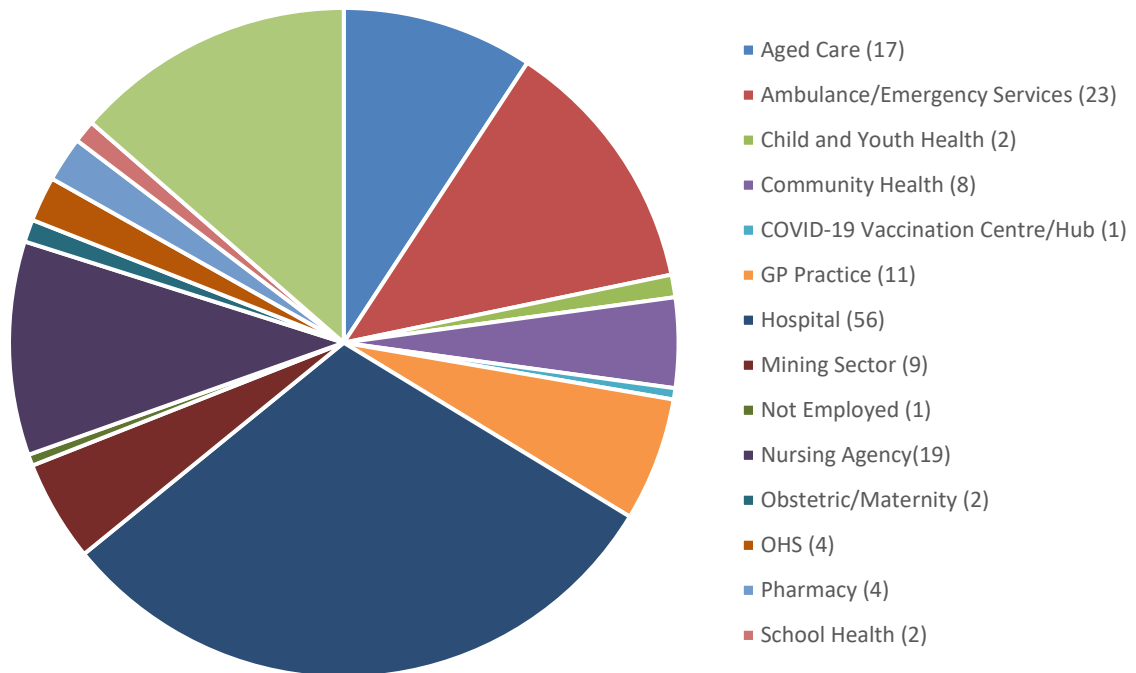


Figure 3 – Area of employment: 1 July 2021 to 30 June 2022 (n=184)



In this reporting period, this program was a pre-requisite for pharmacists in SA undertaking the Pharmacy Guild Immunisation Course. It is also an approved program of study leading to authorisation for Registered Nurses in SA, if all other conditions of the relevant legislation are met.

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Immunisation: a training course for GPs

This program is an accredited learning activity that has been designed for general practitioners' (GPs) nationally and has been available for purchase from 13 June 2018. Course content:

- > Module 1: Immunisation, vaccines, the immune response, vaccine efficacy and effectiveness
- > Module 2: Vaccine preventable diseases and associated vaccines, available in the National Immunisation Program (NIP) and non-NIP vaccines
- > Module 3: Aboriginal people and other groups with special vaccination requirements, and other risk groups
- > Module 4: Consent to medical treatment, vaccine safety and adverse events, vaccine cold chain management, planning a catch-up schedule and delivering an immunisation service

Total registrations nationally from 1 July 2021 to 30 June 2022 is 14 GPs from ACT, NSW, NT, QLD, SA and WA, primarily working in GP Practices.

This course is accredited by the Royal Australian College of General Practitioners (RACGP) and The Australian College of Rural and Remote Medicine (ACRRM) for the 2023 – 25 triennium. It attracts 6 hours of CPD.

Data Source

All data is extracted from Digital Learning and Design* online sales reports within the period 1 July 2021 to 30 June 2022 for the online training programs offered by SA Health. Data is based on the state they registered under; this may or may not be where they reside.

*Centre for Education and Training, Women's and Children's Health Network

Summary of data from course evaluations

Evaluations are undertaken at the completion of each program and completion of the survey is required to complete the program. Scoring is presented as a percentage of total feedback forms using a 1-10 score with '0' unlikely and '10' highly likely, and a reporting scale of Strongly Agree, Agree, Neutral, Disagree or Strongly Disagree is used to assess evaluations.

Understanding Vaccines and the National Immunisation Program

The evaluation summary includes evaluation report data within the period from 1 July 2021 to 30 June 2022.

The total number of completed evaluations for the reporting period is 5,506.

Course Summary		How likely is it that you recommend this course to a colleague?		It was easy to find my way around the course once I had started it.		The content of the course was appropriate to my level of learning.		The information presented in the course met the stated learning outcomes.		The activities, interactives and scenarios in this course aided my understanding of the content.		I will be able to incorporate the learnings from this course into my practice		I will be able to pass on my learnings to others as a result of completing this course	
		No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%
Total number of feedback forms 5506	Not likely ↑ ↓ Highly Likely	0	16	0.3%											
		1	4	0.1%											
		2	4	0.1%											
		3	10	0.2%											
		4	17	0.3%											
		5	85	1.5%											
		6	64	1.2%											
		7	166	3.0%											
		8	395	7.2%											
		9	1210	22.0%											
	10	3534	64.2%												
	Strongly agree			3423	62.2%	3591	65.2%	3698	67%	3605	65.5%	3749	68.1%	3498	63.5%
	Agree			1838	33.4%	1756	31.9%	1677	30%	1741	31.6%	1602	29.1%	1831	33.3%
	Neutral			208	3.8%	139	2.5%	121	2%	142	2.6%	145	2.6%	160	2.9%
	Disagree			27	0.5%	17	0.3%	5	0%	11	0.2%	5	0.1%	9	0.2%
	Strongly disagree			11	0.2%	5	0.1%	7	0%	8	0.1%	6	0.1%	10	0.2%
	No feedback available			1	0%	-1	0.0%	-2	0%	-1	0.0%	-1	0.0%	-2	0.0%
TOTAL		5506	100%	5506	100%	5506	100%	5506	100%	5506	100%	5506	100%	5506	100%

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Evaluations results indicate:

- > 97% agreed the content was appropriate to their level of learning and met the stated learning outcomes
- > 97% agreed that the activities, interactives and scenarios in this course aided their understanding of the content
- > 97% of learners agreed that they will be able incorporate the learnings from this course into their practice
- > Over 96% are likely or highly likely to recommend the program to a colleague.

Some of the feedback comments include:

“I found the course very well presented and easy to follow. The immunisation educators were very helpful and supportive. Thank you”

“I found it extremely helpful that there was a program support that answered my emails promptly and gave me great assistance support when I rang them. Also I loved there there were lots of interesting reading material. I thoroughly enjoyed the course. Found it more interesting than I thought I would .”

“I like that i can do this in my time and gives enough chances to learn from misunderstanding and errors.”

“I would have loved a practice scenario like the final exam on catch up schedules in the same format as the exam. It would have been useful to be able to have a few attempts at this and to fully understand the concept before taking the exam”

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Understanding Vaccines for Midwives: vaccination requirements during pregnancy and early childhood

The evaluation summary includes evaluation report data within the period from 1 July 2021 to 30 June 2022.

The total number of completed evaluations for the reporting period is 55.

Course Summary			How likely is it that you recommend this course to a colleague?		It was easy to find my way around the course once I had started it.		The content of the course was appropriate to my level of learning.		The information presented in the course met the stated learning outcomes.		The activities, interactives and scenarios in this course aided my understanding of the content.		I will be able to incorporate the learnings from this course into my practice		I will be able to pass on my learnings to others as a result of completing this course	
			No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%
Total number of feedback forms 55	Not likely ↑ ↓ Highly Likely	0	0	0.0%												
		1	0	0.0%												
		2	0	0.0%												
		3	0	0.0%												
		4	0	0.0%												
		5	1	1.8%												
		6	1	1.8%												
		7	1	1.8%												
		8	4	7.3%												
		9	12	21.8%												
	10	36	65.5%													
		Strongly agree		44	80.0%	41	74.5%	39	70.9%	36	65.5%	44	80.0%	40	72.7%	
		Agree		10	18.2%	14	25.5%	16	29.1%	19	34.5%	11	20.0%	15	27.3%	
	Neutral		0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%		
	Disagree		0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%		
	Strongly disagree		1	1.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%		
	No feedback available		0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%		
TOTAL			55	100%	55	100%	55	100%	55	100%	55	100%	55	100%	55	100%

Evaluations results indicate:

- > 100% agreed the content was appropriate to their level of learning
- > 100% agreed that the activities, interactives and scenarios in this course aided their understanding of the content
- > 100% of learners agreed that they will be able to incorporate the learnings from this course into their practice
- > Over 95% are likely or highly likely to recommend the program to a colleague

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Some of the feedback comments include:

“It took me longer than 20 hours to read and digest all the information, including the recommended readings.”

“Thank you great information and refresher.”

“Excellent easy to understand course.”

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Understanding vaccines and adult vaccination requirements for workplace programs

The evaluation summary includes evaluation report data within the period from 1 July 2021 to 30 June 2022.

The total number of completed evaluations for the reporting period is 149.

Course Summary		How likely is it that you recommend this course to a colleague?		It was easy to find my way around the course once I had started it.		The content of the course was appropriate to my level of learning.		The information presented in the course met the stated learning outcomes.		The activities, interactives and scenarios in this course aided my understanding of the content.		I will be able to incorporate the learnings from this course into my practice		I will be able to pass on my learnings to others as a result of completing this course		
		No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	
Total number of feedback forms 149	Not likely ↑ ↓ Highly Likely	0	2	1.3%												
		1	0	0%												
		2	0	0%												
		3	1	0.7%												
		4	1	0.7%												
		5	4	2.7%												
		6	2	1.3%												
		7	6	4.0%												
		8	15	10.1%												
		9	37	24.8%												
	10	81	54.4%													
		Strongly agree			93	62.4%	85	57.0%	87	58.4%	85	57.0%	86	57.7%	84	56.4%
		Agree			44	29.5%	53	35.6%	55	36.9%	58	38.9%	57	38.3%	56	37.6%
		Neutral			9	6.0%	9	6.0%	4	2.7%	4	2.7%	4	2.7%	7	4.7%
		Disagree			1	0.7%	0	0%	1	0.7%	0	0%	0	0%	0	0%
	Strongly disagree			2	1.3%	2	1.3%	2	1.3%	2	1.3%	2	1.3%	2	1.3%	
	No feedback available			0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
TOTAL		149	100%	149	100%	149	100%	149	100%	149	100%	149	100%	149	100%	

Evaluations results indicate:

- > Over 92% agree the content was appropriate to their level of learning and met the stated learning outcomes
- > 96% agreed that the activities, interactives and scenarios in this course aided their understanding of the content
- > 96% of learners agree that they will be able incorporate the learnings from this course into their practice
- > Over 93% are likely or highly likely to recommend the program to a colleague

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Some of the feedback comments include:

“Very helpful, need some more real case scenarios. Thank you”

“Apart from not meeting my expectations on adult vaccination requirements for workplace programs, the course content was of good standard. I did my vaccination course credentialling in early 2019 with the Australian College of Nursing. In just a short space of time, it is amazing how much of the theory and content you forget about vaccines and the NIP. This course run by the SA government was informative. The theory was also interactive and most pages had short multiple choice (Non-assesable quizzes) that checked your learning. The theory was informative and comprehensive but not overly-complicated. I would encourage all nurse immunisers from any jurisdiction to undertake this course to refresh their memory or anyone who is looking for CPD or has a general interest in vaccines and is thinking about working in the vaccine field.”

“Covered everything well and was easy to navigate. Thank you”

“Thought it was well put together, easy to follow great learning experience.”

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Immunisation: a training course for GPs

The evaluation summary includes evaluation report data within the period from 1 July 2021 to 30 June 2022.

The total number of completed evaluations for the reporting period is 12.

Evaluation results for all GP learners

Learning needs were *entirely met* in response to:

- > Please rate to what degree your personal learning needs were met.
- > Please rate to what degree this activity is relevant to your practice.
- > Describe the role of immunisation and the ways live and non- live vaccines work to provide immunity.
- > Relate the rationale for the types and number of vaccine doses that are given for the different schedule points in the National Immunisation Program Schedule.
- > Determine which patients are recommended for additional vaccines as they are at increased risk of acquiring vaccine preventable diseases.
- > Outline the assessment of patients for contraindications and precautions before administering vaccines.
- > Determine what are adverse events following immunisation and what management is required.

Responses to the following were over 80% *excellent*:

- > The content of the course was appropriate to my level of learning.
- > The activities, interactives and scenarios in this course aided my understanding of the content.

All learners were *likely* to *highly likely* to recommend the course to a colleague.

Some of the feedback comments include:

What will you use from this course in your work role?

“Resources, confidence, catch up plans, general knowledge in speaking to patients.”

“Just more informed and more efficient.”

“I will download some very useful advice charts, laminate them, and put them on the wall of the Treatment Room.”

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Data Source

All data is extracted from Digital Media* evaluation reports within the period 1 July 2021 to 30 June 2022 for the online training programs offered by SA Health.

*Centre for Education and Training, Women's and Children's Health Network

Program reviews

Program coordinators review evaluation feedback monthly and program content at a minimum, every 6 months in November and May. If any change to information such as immunisation recommendations occurs between those periods, it is assessed and addressed immediately if required or at the next scheduled review date. The course introduces the user to all the major websites that carry up-to-date information relating to immunisation and any planned changes to the vaccine schedule, thus ensuring practitioners can maintain currency of information.

Program assessment and exam question responses are reviewed for each individual question. The *Question Statistics* indicate the percentage of each question being answered correctly. Questions that achieve less than 85% of being answered correctly, are reviewed to assess if the wording or answers need to be altered, to minimise potential ambiguity to improve the learning experience.

Summary of program changes

Changes to the programs in the reporting period, 1 July 2021 to 30 June 2022, include:

- > The NIP assessment and exam process was changed as the program was prepared to be submitted for national accreditation against the National Immunisation Education Framework for Health Professionals (HESA).
- > The NIP program achieved national accreditation 06/08/2021 and is now an approved immunisation education program in all states and territories.
- > The most recent information on the National Immunisation Program was incorporated into relevant sections of all the programs.
- > Course links were reviewed and updated and links to new resources added to provide supplementary information.
- > In response to the feedback provided by the users, more learning activities and case studies were included for further interactive learning.
- > Assessment and exam questions were reviewed and updated.
- > A resource was developed and added to assist with navigating the digital Australian Immunisation Handbook.

For more information

Immunisation Section, CDCB
11 Hindmarsh Square
Adelaide SA 5000
Telephone: 1300 232 272

www.sahealth.sa.gov.au/immunisationprovider



www.ausgoal.gov.au/creative-commons