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Contents:

Editor
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VIRUSES, CHLAMYDIAS, COXIELLAS, RICKETTSIAS AND MYCOPLASMAS REPORTING SCHEME:

In this period (5 July to 19 July 1990) there were 1211 reports processed.

Local transmission of dengue has been reported in Queensland. Preliminary information from the Queensland Department of Health has preceded the receipt of the virus reports and includes:

1. 5 confirmed cases of Dengue type I from Townsville,
2. 3 confirmed cases of Dengue type I from Cairns, and
3. 1 confirmed case from Thursday Island (Dengue I, cross reacting Dengue III). Reports of febrile illness in the Torres Strait suggest further cases of dengue.

Further details of this outbreak will be published as available. The last outbreak of dengue in Australia occurred in Queensland 1981/82.

An as yet untyped enterovirus was isolated from a 2-month-old male with suspected viral cardiomyopathy.

Thirteen cases of Q fever (12 males, 1 sex not stated) were reported during this period. Ages ranged from 15 to 65 years. Occupational exposure details were supplied for only one case, a 16-year-old meatworker from Ipswich.

Editorial Staff: Mr Geoff Davis, Ms Evon Bowler

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- Contributions are solicited, and do not preclude later publication elsewhere.

- Figures given may be subject to revision.

The first report of Influenza A, H3N2 for the season, has been received. The reporting laboratory was in Brisbane and the patient an 11 month old male. An Influenza update from CSL is in this issue of CDI.

An as yet untyped herpes virus was detected in the cerebrospinal fluid of an 18-year-old female presenting with meningitis-like symptoms.

PATHOGEN REPORTING SCHEME

The CDI Pathogen Reporting Scheme received 2 reports of cryptococcal antigen positive patients in May 1990, one was a HIV positive female in the 25-44 year age group and the other was a male survey case with no risk factors reported.

Legionella pneumophila was reported in an 8-year-old male with pneumonia from Redcliffe, Queensland. No exposure details were given.

5 cases of Leptospirosis were reported during May 1990 4M, 1F (aged 6, 5, 7, 7 and 6 years respectively). 3 cases were from Queensland and 1 from NSW. Leptospira hardjo was the most common serotype.

CDI Editorial Note

CDI has recently received a copy of the quarterly report 'Enteric Pathogens in Western Australia', period January-March 1990. This information is a welcome development towards a comprehensive pathogen reporting scheme in Australia.

INFLUENZA UPDATE FROM THE NATIONAL WHO INFLUENZA REFERENCE CENTRE - CSL

Detailed analysis of two influenza H3 virus isolates received earlier this year from Fiji and IMVS Adelaide (CDI 90/10) confirms that the strains are more closely related to A/Shanghai/11/87 than the newer variant A/Guizhou/54/89.

A number of influenza isolates received from the reported outbreak in Goroka, PNG, during March have been analysed. The majority of the isolates were typed as H1 strains which react well with antisera to the current vaccine strain A/Vic/36/87 but some show a greater cross-reactivity with the earlier type strain A/Brazil/11/87 than with A/Vic. One of the Goroka isolates types as an H3 virus and appears close to A/Guizhou/54/89.

The New Zealand Communicable Diseases Centre reported 17 influenza H3 isolates from the North Island during June. Samples of the New Zealand isolates and a single Australian H3 isolate from the Brisbane State Health Laboratory have been received for analysis at CSL.

OVERSEAS BRIEFS

1. CHOLERA IN NEPAL

A cholera epidemic has been reported in the Kathmandu valley and some other remote areas of Nepal. This is the third consecutive year there has been a cholera outbreak and medical personnel assess this epidemic as twice the size of that in 1989, with the likelihood that it could continue for up to 3 months. Visitors are recommended to adhere to the normal precautions of only consuming water that has been boiled and filtered.

The WHO advises that travellers entering the area are not required to have cholera vaccination.

The NHMRC advises that the currently available cholera vaccine is not recommended due to its minimal efficacy and short duration of action. Cholera immunisation is not required for entry to Australia from any country.

SALMONELLA SURVEILLANCE - HUMAN ISOLATES, OCTOBER - DECEMBER 1989

(Extracted from Quarterly Report, Issue No. 3/90, National Salmonella Surveillance Scheme, editor J. Powling. Microbiological Diagnostic Unit, University of Melbourne)

Table 1 presents the total notifications received for the period 1 October to 31 December 1989, by State or Territory and also includes Shigella, E. coli (EPEC) and Vibrio reports.

Table 1: Total Number of Notifications Received

	ACT	NSW	VIC	QLD	SA	WA	TAS	NT	TOTAL
Salmonella	27	332	293	407	156	212	42	132	1601
Shigella	-	39	21	13	9	126	-	28	236
E. coli (EPEC)	-	4	1	-	-	-	-	-	5
Vibrio	-	1	2	-	-	-	-	-	3
Total	27	376	317	420	165	338	42	160	1845

Salmonella Infections - Case Rates

Table 2 presents the case rates per 100,000 for Salmonella infections by State or Territory. 1443 cases were acquired in Australia, 78 acquired overseas (see Infections Acquired Overseas). There were 64 follow-ups and 16 cases from migrants and refugees.

Table 2: Case Rates per 100,000 for Salmonella Infections

	ACT	NSW	VIC	QLD	SA	WA	TAS	NT	TOTAL
4th Quarter 1989	10.4	5.8	5.5	14.5	10.8	13.8	9.2	83.3	1443
3rd Quarter 1989	5.6	3.2	4.0	7.4	4.2	7.5	2.1	41.3	777
4th Quarter 1988	5.6	5.5	5.5	19.8	5.9	12.1	4.6	56.2	1400

Table 3: Salmonella Outbreaks

serotype	locality	(No.)/Date	Notes
Sh. sonnei biotype a	North-west NSW	(14) Nov-Dec	no details
S. Typhimurium untypable	Perth, WA	(16) Dec	no details
S. Bovismorbificans 24	Darwin/ Katherine, NT	(5) Oct-Nov	infants only*
S. Reading	Melbourne, VIC	(12) Oct-Dec	mainly children
S. Orientalis	Rockhampton, QLD	(14) Dec	no details

* **following on from outbreak (Q3/'89 - Issue No. 2/90) in Darwin and Katherine which affected adults also.**

Human Isolates

The number of **Australian acquired cases of salmonella** (1443) is only slightly higher (3%) than that for the same period last year (1400). The number of cases of Australian acquired shigellas increased by 40% from 148 to 207.

The **salmonella case rate** per 100,000 head of population increased in five states by comparison to the same period last year. In Tasmania there was a 100% increase in case rate, in South Australia 83%, the Northern Territory 48%, and in the ACT a 46% increase. In Queensland the case rate decreased by 27% and in Victoria the figure was unchanged.

S Typhimurium 135 heads the list of the **top ten salmonellas** with 95 cases, displacing S Typhimurium 9 (81 cases) which had held top position for three successive quarterly periods. However there were more cases of S Typhimurium 9 in this quarter than in the previous quarter and it is still prevalent in Victoria and South Australia.

Only one serotype from the top ten was positively identified as being associated with an **outbreak** and that was **S Orientalis** from Rockhampton in December.

There were 86 **serovars of salmonella** isolated from the 1443 cases (77 serovars, in Q3/89). Of these 79 were from subgenus I (9 phage types of S. Bovismorbificans and 38 of S. Typhimurium), 3 from subgenus II, 4 from subgenus III (S. Arizonae) and none from subgenus IV.

There has been a higher than normal incidence of four phage types of **S Typhimurium** in South Australia beginning in December 1989 and continuing into the first quarter of 1990. They are phage types **108** (12 cases). **178** (7 cases), **30** (15 cases) and **9**(14 cases). The figures in brackets refer to December 1989 only.

New and unusual salmonella serovars notified during the quarter included **S Albany** (M/46, NSW), **S Bonariensis** (M/5, NSW), **S Israel** (M/59, WA), **S Kiambu** (M/1, NSW), **S Tounouma** (F/13, NT), **S Idikan** (F/8 and M/1, NSW) and **S Liverpool** (M/29, NSW) - see Update, Issue 2/90.

Update

The high incidence of **S Typhimurium** phage types **108, 178, 30** and **9** continues in South Australia with a further 21 cases of phage type **108**, 8 of phage type **178**, 29 of phage type **30** and 15 of phage type **9** to the end of April 1990. There also has been a higher than normal incidence of **S Newport** from Adelaide and suburbs, with 8 cases in December and a further 7 cases so far this year.

From Perth, beginning in December, there has been an outbreak of a **S Typhimurium untypable** with a unique phage pattern so far only displayed by isolates of S Typhimurium from Western Australia.

Two uncommon *Vibrio* species were notified from New South Wales between mid-February and mid-March and both were associated with the consumption of seafood. There were two cases of *V mimicus* (M/41 - reported having eaten prawns, and F/30 - no details) and one case of *V vulnificus* (F/43 - oyster). The *V vulnificus* case died.

Infections Acquired Overseas (excluding enteric fever)

There was a total of 81 reports for the period.

ASIA:- S Blockley, S Hadar (2), S Virchow, *Sh Flexneri* var y, *Sh sonnei* biotype a. **Indonesia:** S. Agona, S Ohio, *Sh sonnei* biotype a. **Bali:** S. Berta (4), S. Hadar (2), S Havana, S Java, S Javiana, S Senftenberg, S untypable 6,7:r:-, *Sh sonnei* biotype a. *V parahaemolyticus*. **India:** S Bareilly, S Senftenberg, S Typhimurium 135, S Virchow, *Sh Flexneri* 2b, *Sh Flexneri* 3a, *Sh Flexneri* 6, *Sh sonnei* biotype g (3). **Malaysia:** S Bareilly, *Sh sonnei* biotype g. **Singapore:** S Anatum, S Infantis. **Thailand:** S Aberdeen, S. Agona, S Blockley, S Emek, S. Hadar, S Java, S Javiana, S Stanley, *Sh. boydii* 2. *Sh Flexneri*4b. **Vietnam:** S. Derby, *Sh sonnei* biotype a. **China:** S Infantis. **Hong Kong:** S. Enteritidis. **Taiwan:** S. Hadar. **JAPAN:** S TENNESSEE, S TYPHIMURIUM RDNC. **MIDDLE EAST:- KUWAIT:** *SH. BOYDII* 4. **LEBANON:** *SH FLEXNERI* 6. **PACIFIC:-FIJI:** *S VIRCHOW*

Plus From unspecified countries: S Abony, S Anatum, S Blockley, S Brunei, S Chester, S Enteritidis (2), S Infantis, S Mississippi, S Montevideo, S Orientalis, S Senftenberg, S Singapore, S Stanley (2), S Typhimurium 141, S untypable 6,7:r:-, *Sh flexneri*, *Sh flexneri* 1b, *Sh flexneri* 3a, *Sh flexneri* 6 (3), *Sh sonnei* biotype a, *Sh sonnei* biotype g.

Mixed Infections

Table 4 presents details of the 16 mixed infections reported for the period.

Table 4: Mixed Infections

Organisms Isolated	Sex/Age	Site
S Chester, S Infantis	M/1	WA
S Saintpaul, S Typhimurium 178	F/26	SA
S Bovismorbificans 2, S Bovismorbificans 23	F/2	WA
S Aberdeen, S Typhi B1	F/26*	VIC
S Enteritidis, S Kentucky	F/26	NT
Sh sonnei biotype a, S Hadar	M/31*	QLD
Sh sonnei biotype g, Campylobacter spp	M/24	VIC
Sh Flexneri 6, S Typhi B2	F/2*	VIC
S Newport, Campylobacter jejuni	M/ns	SA
S Typhimurium 179, Campylobacter jejuni	M/1	QLD
S Typhimurium 135, Campylobacter spp	F/ns	NSW
S Typhimurium 9, Campylobacter spp	F/2	VIC
S Abony, Giardia lamblia	M/27	VIC
S Abony, Giardia lamblia	F/1	VIC
S Derby, Giardia lamblia	M/2	VIC
S Adelaide, Giardia, Cryptosporidium	F/1	NT

* = acquired overseas, (F/26 Thailand, M/31 South-East Asia, F/2 Lebanon).
ns = not stated

Isolations from Blood, Urine and Unusual Sites

There were 8 isolations from blood (excluding enteric fever), 11 isolations from urine and 9 isolations from unusual sites. They are detailed in Table 5 below:

Table 5: Isolations from Blood, Urine and Unusual Sites

Organism	Sex/Age	State	Site
Bacteraemias excluding enteric fever (8):			
S. Birkenhead	M/6	VIC	
S. Chester	F/7	QLD	
S. Java	M/14	VIC	
S. Reading	F/73	VIC	
S. Reading	F/17	VIC	
S. Typhimurium 9	M/14	VIC	
S. Virchow	M/ns	NSW	
Sh sonnei biotype a	F/ns	NSW	
Urines (11):			
S. Adelaide	F/3	VIC	
S. Birkenhead	F/ns	QLD	
S. Eastbourne	F/60	NSW	
S. Enteritidis	F/ns	QLD	
S. Haardt	F/23	SA	
S. Havana	F/ns	QLD	
S. Lansing	F/8	QLD	
S. Saintpaul	F/1	QLD	
S. Stanley	F/15	VIC	
S. Typhimurium 9	M/48	SA	
S. Typhimurium 9	F/ns	SA	
Unusual Sites (9):			
S. Ball	F/60	NT	sputum
S. Bovismorbificans 7	F/84	NSW	pleural aspirate
S. Chester	M/ns	SA	mesenteric lymph node
S. Infantis	M/59	NSW	gall bladder
S. Mbandaka	F/47	NSW	gall bladder
S. Newport	F/80	VIC	abdominal abscess
S. Typhimurium 135	M/69	NSW	pleural fluid
S. Typhimurium 9	M/26	SA	sputum
Sh sonnei biotype a	F/15	NSW	gut tissue

ns = not stated

Typhoid and Paratyphoid Cases

There were 17 cases of typhoid reported, 2 cases of S. paratyphi A and a single S. paratyphi B. Details are provided in Table 6.

Table 6: Typhoid and paratyphoid cases

Species	Phage type**	Sex/Age	State	Notes
S. typhi	27	F/10	VIC	visited Syria
	34	F/65	QLD	following bowel surgery
	B1	F/43	NSW	no details
	B1	F/32	VIC	visited Bangkok, Thailand
	B1	M/32	VIC	brother of F32 above
	B1	F/26	VIC	travelled in Thailand
	B2	F/2	VIC	recent visit to Lebanon
	B2	M/3	VIC	brother of F/2 above
	B2	F/16	NSW	no details
	E1	M/3	NSW	no details
	E1	M/35	VIC	ex Lebanon, 3 children also
	E1	M/16	VIC	ex Papua New Guinea, malaria also
	F3	M/65	VIC	from Poland
	untypable	M/ns	QLD	travels to and from Indonesia
	untypable	M/26	WA	no details
	untypable	M/34	SA	no details
	untypable	M/29	WA	returned from Thailand
S. paratyphi A	RDNC	F/70	SA	no details
	untypable	F/33	VIC	returned from the Philippines
S. paratyphi B	Taunton	F/27	VIC	returned from Morocco

ns = not stated

Shigella Infections

236 notifications of shigella infections were received for this quarter. Of these one was a follow-up specimen and 28 were notified from travellers returning from overseas leaving a total of 207 cases acquired in Australia. See Table 7. This is a 22% increase in cases over the number for the previous quarter (Q3/'89) and a 40% increase over that from the same period last year (Q4/'88).

The most common serotype was *Sh flexneri* 2a with 116 cases, 89 of which were from Western Australia. Together with *Sh flexneri* 6 and *Sh sonnei* biotype a these three serotypes made up 94% of the total cases acquired in Australia.

Shigella infections acquired overseas include *Sh. boydii* 2 (Thailand), *Sh. boydii* 4 (Kuwait), *Sh. flexneri* 1b *Sh. flexneri* 2b (India), *Sh. flexneri* 3a (India), *Sh. flexneri* 4b (Thailand), *Sh. flexneri* 6 (India, Lebanon), *Sh. flexneri* var y (South-east Asia), *Sh. sonnei* biotype a (Indonesia including Bali, Vietnam), *Sh. sonnei* biotype g (India, Malaysia).

The *Sh boydii* 13 from Victoria below is of unspecified origin.

Table 7: Shigella Cases Acquired in Australia

Serotype	ACT	NSW	VIC	QLD	SA	WA	TAS	NT	TOTAL
Sh. boydii 13	-	-	1	-	-	-	-	-	1
Sh. flexneri 1b	-	2	-	-	-	-	-	-	2
Sh. flexneri 2a	-	2	2	4	8	89	-	11	116
Sh. flexneri 4a	-	2	-	-	-	1	-	-	3
Sh. flexneri 6	-	-	1	1	1	14	-	6	23
Sh. flexneri var. y	-	-	-	-	-	4	-	-	4
Sh. sonnei biotype a	-	24	-	6	-	16	-	10	56
Sh. sonnei biotype g	-	-	2	-	-	-	-	-	2
Total	-	30	6	11	9	124	-	27	207

Top Ten Salmonellas

Of the 1443 Australian acquired cases of salmonella infection, 523 (36%) were isolates from the top ten salmonellas which are listed in Table 8 below. Their positions in the previous quarter (Q3/'89) is also given.

Only one serotype was associated with an outbreak and that was **S Orientalis. S. Typhimurium** 135 was the most common salmonella and replaced **S. Typhimurium** 9 which had been in the top position for the previous nine months.

Table 8: Top Ten Salmonellas

	Pos'n Q3/'89	No. of cases	% of top ten (523)	Origin/No. of cases
S Typhimurium 135	5	95	18	NSW 39, VIC 18
S Typhimurium 9	1	81	15.5	VIC 32, SA 24
S Virchow	-	65	12	QLD 39
S Saintpaul	10	55	11	QLD 26
S Chester	-	45	9	QLD 17, NSW 10
S Muenchen	9	43	8	QLD 14, NSW 10
S Orientalis*	-	39	7.5	QLD 28
S Anatum	6	36	7	NT 15
S Enteritidis	-	32	6	QLD 19
S Infantis	7	32	6	NSW 10, QLD 8

*** associated with an outbreak**
In: S Virchow; S Chester; S Orientalis; S Enteritidis.
Out: S Bovismorbificans 7; S Bovismorbificans 24; S Cerro; S Typhimurium 141.

HANTAAN VIRUS, ATTEMPTED ISOLATION FROM AUSTRALIAN RODENTS

(Contributed by Keith Murray, Australian Animal Health Laboratory, Geelong, VIC)

Introduction

Hantaan and related viruses are the causative agents of Haemorrhagic fever with renal syndrome (HFRS) in humans following contact with virus infected rodents. The viruses cause sub-clinical infections in rodents and HFRS's of varying severity, some being fatal.

Four distinct groups of Hantaan-related viruses have been identified. They share antigenic and genetic characteristics and comprise the genus Hantavirus of the virus family Bunyaviridae. The type virus for each of the four groups are termed Hanta, Seoul, Puumala and Prospect Hill. Infection with each is inapparent in rodents, but infected animals secrete large quantities of virus in saliva, urine and faeces for almost a lifetime following infection. The route of transmission to humans is inhalation of aerosols, although rodent bites can be dangerous. Seropositive rats carry virus.

In March 1989 the Murine Virus Monitoring Service at Vet Lab, Department of Agriculture, South Australia commenced testing laboratory rodent colonies for serum antibody to Hantaan virus using an indirect immunofluorescent antibody test (IFAT) with reagents supplied by the Centres for Disease Control (CDC) Atlanta, Georgia, USA. Rodent colonies with significant antibody titres by this test were detected. The significance of the findings was unknown as the IFAT detects antibody to both Hantaan and related

viruses. However, these reactions could not be ignored because of the potential human health significance.

The Australian Animal Health Laboratory (AAHL) was asked to undertake investigations into the cause of the reactions because of the microbiological security provided by the laboratory and its expertise in virology. Our studies have involved virus isolation attempts in cell culture, and animal transmission tests using samples from IFAT positive rats.

Approaches and Results

Since Hantaan virus is non-cytopathogenic, detection of virus in cell cultures involves indirect testing by immunoflourescence and serial passaging of the inoculated cells. For this purpose, a special permissive VERO E6 cell line is used. Virus identification can also be achieved by rat transmission studies accompanied by serological monitoring for infection since the infection itself is sub-clinical.

The work was done under microbiologically secure (C3) conditions involving flexible film isolation units for the in vitro work and full body protection for the transmission tests.

Separate lung and spleen samples from five serologically positive rats were homogenized and inoculated into VERO E6 cells. The cells were tests for the presence of virus every 14 days, and serially passaged nine times. No virus was detected.

Six rats per tissue sample were inoculated and monitored serologically with ELISA reagents which were imported from the Fort Detrick laboratory, US Army Medical Research Institute for Infectious Disease. The rats were serologically negative at each test point ie. 30, 60, and 90 days post inoculation. The tissues of donor rats were therefore considered negative for Hantaviruses.

Sera from the five rats used as donors in these virus isolation studies were tested both at AAHL and Fort Detrick using Fort Detrick reagents. These sera had previously been found positive by Vet Lab using immunofluorescent reagents supplied by CDC, Atlanta, USA. All five rats were seronegative by the ELISA technique at both AAHL and Fort Detrick. One however, was positive by IFAT at Fort Detrick. AAHL has not confirmed this IFAT positive result because of the inavailability of reagents. A further test, plaque reduction neutralisation, was also undertaken at Fort Detrick on these five samples and they proved negative.

Conclusion

ELISA and neutralisation tests conducted at AAHL and Fort Detrick on the five original donor rats were negative. Furthermore, virus was not isolated from tissues of these rats in both in vivo and in vitro test systems. These results indicate that the rats were not infected with Hanta virus. The specificity and significance of the titres obtained using IFAT requires further investigation.

AIDS UPDATE, INTERNATIONAL - 30 JUNE 1990
(Based on WER 1990;65:205-212)

As at 30 June 1990 a global total of 266,098 cases of AIDS had been reported to the World Health Organization. This represents an increase of 12,020 over the global figure reported for 30 April 1990.

Country/Area	Number of cases	Date of report
Africa		
Algeria	13	26/03/88
Angola	104	31/12/88
Benin	60	05/09/89
Botswana	87	17/01/90
Burkina Faso	555	31/03/89
Burundi	2,784	31/12/89
Cameroon	78	31/03/89
Cape Verde	32	31/03/90
Central African Republic	662	31/12/89
Chad	21	17/11/89
Comoros	1	31/03/90
Congo	1,940	31/12/89
Cote d'Ivoire	3,647	01/02/90
Djibouti	7	15/02/90
Egypt	16	15/02/90
Equatorial Guinea	3	27/06/89
Ethiopia	364	15/05/90
Gabon	51	10/01/90
Gambia	81	08/03/90
Ghana	1,240	31/01/90
Guinea	125	31/03/90
Guinea-Bissau	123	29/03/90
Kenya	6,004	30/07/89
Lesotho	11	27/04/90
Liberia	5	01/04/90
Libyan Arab Jamahiriya	-	15/02/90
Madagascar	2	31/12/89
Malawi	7,160	08/01/90
Mali	178	31/10/89
Mauritania	16	15/04/90
Mauritius	5	05/04/90
Morocco	45	31/01/90
Mozambique	93	19/04/90
Namibia	232	31/03/90
Niger	80	31/12/89
Nigeria	48	15/03/90
Africa cont.		
Reunion	47	13/02/90
Rwanda	2,285	31/12/89
Sao Tome and Principe	2	14/04/89
Senegal	307	08/03/90
Seychelles	-	22/05/90
Sierra Leone	21	30/06/89
Somalia	15	15/02/90
South Africa	463	21/06/90
Sudan	188	15/02/90
Swaziland	14	16/06/88
Togo	100	01/06/90
Tunisia	50	15/02/90
Uganda	12,444	31/12/89
United Republic of Tanzania	6,251	01/03/90
Zaire	11,732	31/01/90
Zambia	3,000	07/05/90
Zimbabwe	2,357	31/03/90
Total	**65,149**	
Americas		
Anguilla	4	31/12/89
Antigua and Barbuda	3	21/03/90
Argentina	605	31/03/90
Bahamas	437	31/12/89
Barbados	122	31/03/90
Belize	11	30/09/88
Bermuda	135	31/12/89
Bolivia	11	30/06/89
Brazil	11,070	31/03/90
British Virgin Islands	1	31/03/90
Canada	3,818	03/05/90
Cayman Islands	5	31/12/89

Country/Area	Number of cases	Date of report
Americas, cont.		
Chile	178	31/12/89
Colombia	643	31/12/89
Costa Rica	169	31/03/90
Cuba	63	31/12/89
Dominica	10	31/12/89
Dominican Republic	1,262	31/03/90
Ecuador	79	31/03/90
El Salvador	192	31/03/90
French Guiana	191	31/12/89
Grenada	17 [a]	31/03/90
Guadeloupe	182	31/12/89
Guatemala	80	31/03/90
Guyana	96	31/03/90
Haiti	2,331	30/09/89
Honduras	626	31/03/90
Jamaica	141	28/02/90
Martinique	125	31/03/90
Mexico	4,416	30/04/90
Montserrat	1	30/06/89
Nicaragua	7	31/03/90
Panama	180	31/12/89
Paraguay	16	31/03/90
Peru	324	31/03/90
Saint Kitts and Nevis	18	31/12/88
Saint Lucia	17	28/02/90
Saint Vincent and the Grenadines	22	31/12/89
Suriname	58	31/03/90
Trinidad and Tobago	557	31/12/89
Turks and Caicos Islands	8	31/12/88
United States of America	133,889	13/06/90
Uruguay	119	30/05/90
Venezuela	646	30/09/89
Total	**162,885**	
Asia		
Afghanistan	-	15/02/90
Bahrain	-	15/02/90
Bangladesh	-	30/11/89
Bhutan	-	21/03/90

Country/Area	Number of cases	Date of report
Asia, cont.		
Brunei Darussalam	1	01/06/89
Burma **see** Myanmar		
China	3	30/09/88
China (Province of Taiwan)	14	30/09/89
Cyprus	15	15/02/90
Hong Kong	22	28/02/90
India	48	31/05/90
Indonesia	7	31/03/90
Iran (Islamic Republic of)	9	01/04/90
Iraq	-	15/02/90
Israel	109	31/03/90
Japan	189	28/03/90
Jordan	9	15/02/90
Kuwait	1	15/02/90
Lebanon	31	15/02/90
Macao	-	28/03/90
Malaysia	13	17/04/90
Maldives	-	30/09/89
Mongolia	-	30/05/90
Myanmar	-	30/11/89
Nepal	2	04/04/90
Oman	14	15/02/90
Pakistan	13	15/02/90
Philippines	28	30/03/90
Qatar	23	15/02/90
Republic of Korea	5	08/10/89
Saudi Arabia	...	...
Singapore	15	12/01/90
Sri Lanka	4	28/02/90
Syrian Arab Republic	8	15/02/90
Thailand	41	31/05/90
Turkey	31	31/03/90
United Arab Emirates	...	...
Vietnam	-	08/09/87
Yemen	-	15/02/90
Total	**655**	
Europe		
Albania	-	31/03/90
Austria	437	31/05/90

Country/Area	Number of cases	Date of report
Europe, cont.		
Belgium	651	31/03/90
Bulgaria	7	31/03/90
Czechoslovakia	23	31/03/90
Denmark	601	31/05/90
Finland	58	31/03/90
France	9,718	31/03/90
German Democratic Republic	19	31/03/90
Germany, Federal Republic of	4,863	31/05/90
Greece	295	31/03/90
Hungary	36	31/05/90
Iceland	13	31/03/90
Ireland	142	31/03/90
Italy	6,068	31/03/90
Luxembourg	26	31/03/90
Malta	14	31/03/90
Monaco	2	31/03/90
Netherlands	1,274	31/05/90
Norway	156	31/05/90
Poland	39	31/05/90
Portugal	443	31/05/90
Romania	74	08/02/90
San Marino	1	31/03/90
Spain	5,295	31/03/90
Sweden	406	31/03/90
Switzerland	1,280	30/04/90
USSR	34	31/03/90
United Kingdom	3,247	30/04/90
Yugoslavia	131	31/05/90
Total	**35,353**	
Oceania		
Australia	1,861	18/05/90
Cook Islands	-	08/09/87
Federated States of Micronesia	1	02/05/90
Fiji	1	10/04/90
French Polynesia	16	28/04/90
Kiribati	-	18/01/88
Mariana Islands	-	05/08/87
New Caledonia and Dependencies	2	01/08/88
New Zealand	160	11/01/90
Oceania, cont.		
Palau	-	30/04/90
Papua New Guinea	13	28/06/89
Samoa	-	18/10/88
Solomon Islands	-	08/09/87
Tonga	3	10/04/90
Tuvalu	-	08/09/87
Vanuatu	-	20/02/90
Total	**2,056**	
WORLD TOTAL	**266,098**	

- Nil
... No data available
a Grenada has revised its previous report of 19 cases to 17 cases

AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE
VIRAL IDENTIFICATIONS FROM CONTRIBUTING LABORATORIES
BASED ON DATE OF REPORTING

PERIOD 05/07/90 TO 18/07/90

1. CODE 018 - MICROBIOL DIAG UNIT, UNI MELB (VIC)
2. CODE 019 - FAIRFIELD HOSP (VIC)
3. CODE 065 - STATE HEALTH LAB (WA)
4. CODE 066 - PRINCESS MARGARET HOSP (WA)
5. CODE 110 - INST OF MED & VET SCIENCE (SA)
6. CODE 111 - ROYAL CHILDRENS HOSP (VIC)
7. CODE 112 - INST CLINICAL PATH & MED RES (NSW)
8. CODE 113 - PRINCE HENRY/PRINCE OF WALES HOSP (NSW)
9. CODE 114 - ROYAL ALEXAND RA CHILDRENS HOSP (NSW)
10. CODE 115 - STATE HEALTH LAB (QLD)
11. CODE 116 - WODEN VALLEY HOSP (ACT)
12. CODE TPL - TOOWOOMBA PATHOLOGY LAB (QLD)
13. CODE RHH - ROYAL HOBART HOSPITAL (TAS)

		065	066	110	111	112	113	114	115	RHH	TPL	TOTAL
0100	ADENOVIRUS NOT TYPED	2	3	0	3	0	0	0	9	0	0	17
0102	ADENOVIRUS TYPE 2	0	0	0	0	1	0	0	0	0	0	1
0103	ADENOVIRUS TYPE 3	0	0	1	0	1	0	0	0	0	0	2
0104	ADENOVIRUS TYPE 4	0	0	0	0	1	0	0	0	0	0	1
0105	ADENOVIRUS TYPE 5	0	0	1	0	1	0	1	0	0	0	3
0107	ADENOVIRUS TYPE 7	0	0	0	0	1	0	0	0	0	0	1
0110	ADENOVIRUS TYPE 10	0	0	0	0	7	0	0	0	0	0	7
0111	ADENOVIRUS TYPE 11	0	0	0	0	2	0	0	0	0	0	2
0199	ADENOVIRUS TYPING PENDING	0	0	0	4	3	0	3	0	0	0	10
0201	INFLUENZA A VIRUS	0	0	0	0	0	0	0	1	0	0	1
0202	INFLUENZA A VIRUS SUBTYPE H3N2	0	0	0	0	0	0	0	1	0	0	1
0301	PARAINFLUENZA VIRUS TYPE 1	4	1	1	10	1	0	0	7	0	0	24
0303	PARAINFLUENZA VIRUS TYPE 3	0	0	0	0	4	0	0	0	0	0	4
0399	PARAINFLUENZA VIRUS TYPING PEN	0	0	0	3	0	0	0	14	0	0	17
0400	RESPIRATORY SYNCYTIAL VIRUS (R	0	20	9	76	35	0	40	96	0	14	290
0500	RHINOVIRUS (ALL TYPES)	2	0	0	5	1	0	0	0	0	0	8
0600	MYCOPLASMA PNEUMONIAE	0	0	7	0	5	0	0	1	0	0	13
0700	ORNITHOSIS-PSITTACOSIS	0	0	0	0	0	0	0	1	0	0	1
0901	COXSACKIEVIRUS B1	0	0	0	0	1	0	0	0	0	0	1
0903	COXSACKIEVIRUS B3	0	0	0	0	1	0	0	0	0	0	1
1004	ECHOVIRUS TYPE 4	0	0	0	0	2	0	0	0	0	0	2
1006	ECHOVIRUS TYPE 6	0	0	1	0	0	0	0	0	0	0	1
1007	ECHOVIRUS TYPE 7	0	0	0	0	1	0	0	0	0	0	1
1009	ECHOVIRUS TYPE 9	0	0	0	0	2	0	0	0	0	0	2
1011	ECHOVIRUS TYPE 11	0	0	0	0	5	0	3	0	0	0	8
1014	ECHOVIRUS TYPE 14	0	0	0	0	1	0	1	0	0	0	2
1018	ECHOVIRUS TYPE 18	0	0	0	0	1	0	1	0	0	0	2
1021	ECHOVIRUS TYPE 21	0	0	1	0	0	0	0	0	0	0	1
1025	ECHOVIRUS TYPE 25	0	0	0	0	2	0	0	0	0	0	2
1028	ECHOVIRUS TYPE 28 = RHINO VIRU	0	0	0	0	0	0	4	0	0	0	4
1101	POLIOVIRUS TYPE 1	0	0	0	0	3	0	0	0	0	0	3
1102	POLIOVIRUS TYPE 2	0	0	0	0	3	0	0	0	0	0	3
1103	POLIOVIRUS TYPE 3	0	0	1	0	0	0	0	0	0	0	1
1200	MUMPS VIRUS	0	0	0	0	2	0	0	0	0	0	2
1300	HERPES VIRUS GROUP - NOT TYPED	4	0	0	0	3	0	0	0	0	0	7
1301	HERPES SIMPLEX VIRUS - NOT TYP	0	4	0	0	26	0	2	0	0	0	32
1302	EPSTEIN-BARR VIRUS (EB VIRUS)	3	0	20	2	0	0	0	14	0	0	39
1303	VARICELLA-ZOSTER VIRUS	6	1	1	1	4	0	1	2	0	0	16
1306	HERPES SIMPLEX TYPE 1	28	0	18	0	10	0	2	28	1	0	87
1307	HERPES SIMPLEX TYPE 2	46	0	13	0	41	0	0	25	0	0	125
1399	HERPES VIRUS TYPING PENDING	1	0	0	0	0	0	0	1	0	0	2
1401	COXIELLA BURNETII	0	0	1	0	4	0	0	9	0	0	14
1502	PICORNIA VIRUS - NOT TYPED = E	5	2	13	0	0	0	0	20	0	0	40
1521	MEASLES VIRUS	0	0	0	2	0	0	0	3	0	0	5
1522	RUBELLA VIRUS	0	0	0	0	0	0	0	1	0	0	1
1532	HEPATITIS B ANTIGEN	21	0	8	0	23	1	1	28	0	0	82
1535	HEPATITIS A ANTIBODY	4	0	2	0	0	0	0	0	0	0	6
1536	HEPATITIS C VIRUS	6	0	0	0	0	0	0	0	0	0	6
1541	CHLAMYDIA A - C. TRACHOMATIS	61	1	3	2	8	0	1	0	0	4	80
1547	UNKNOWN NAME OF THE VIRUS	0	0	0	0	0	0	0	0	0	1	1
1556	CMV - CYTOMEGALOVIRUS	1	3	1	3	6	0	3	23	0	0	40
1562	REOVIRUS (ALL TYPES)	0	0	0	0	1	0	0	0	0	0	1
1564	ROTAVIRUS	3	41	0	44	2	0	1	0	0	0	91
1565	CALICI VIRUS	0	0	0	0	1	0	0	0	0	0	1
1566	NORWALK AGENT	0	0	0	0	0	0	1	0	0	0	1
1571	ENTEROVIRUS TYPE 71 (BCR)	0	0	0	0	1	0	0	0	0	0	1
1599	ENTEROVIRUS TYPING PENDING	0	0	0	0	0	0	7	0	0	0	7
9992	ROSS RIVER VIRUS	0	0	1	0	0	0	0	80	0	0	81
9994	SMALL VIRUS (LIKE) PARTICLE	0	0	0	0	0	0	1	0	0	0	1
9995	DENGUE	0	0	0	0	0	0	0	4	0	0	4
9998	ARBOVIRUS GROUP B.(UNSPECIFIED	0	0	0	0	0	0	0	1	0	0	1
TOTAL		197	76	103	155	217	1	73	369	1	19	1211

AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE

VIRAL IDENTIFICATIONS FROM CONTRIBUTING LABORATORIES BY STATE OF CONTRIBUTING LABORATORY

PERIOD 05/07/90 TO 18/07/90

NSW: ICPMR; PHH POW; RACH; ST GEORGE HOSP, KOGARAH; ROYAL NEWCASTLE HOSP.
VIC: FAIRFIELD; RCH; MDU, UNI MELB
QLD: STATE LAB, BRIS; TOOWOOMBA PATH LAB; ROYAL BRIS HOSP.
WA: STATE LAB, PERTH; PMH.
SA: IMVS.
TAS: ROYAL HOBART HOSP; DIAGNOSTIC SERVICES, LAUNCESTON; LAUNCESTON GEN HOSP; DIAGNOSTIC SERVICES, HOBART; HOBART PATH; MERSEY GEN HOSP, LATROBE.
ACT: WVH.

		NSW	VIC	QLD	WA	SA	TAS	TOTAL
0100	ADENOVIRUS NOT TYPED	0	3	9	5	0	0	17
0102	ADENOVIRUS TYPE 2	1	0	0	0	0	0	1
0103	ADENOVIRUS TYPE 3	1	0	0	0	1	0	2
0104	ADENOVIRUS TYPE 4	1	0	0	0	0	0	1
0105	ADENOVIRUS TYPE 5	2	0	0	0	1	0	3
0107	ADENOVIRUS TYPE 7	1	0	0	0	0	0	1
0110	ADENOVIRUS TYPE 10	7	0	0	0	0	0	7
0111	ADENOVIRUS TYPE 11	2	0	0	0	0	0	2
0199	ADENOVIRUS TYPING PENDING	6	4	0	0	0	0	10
0201	INFLUENZA A VIRUS	0	0	1	0	0	0	1
0202	INFLUENZA A VIRUS SUBTYPE H3N2	0	0	1	0	0	0	1
0301	PARAINFLUENZA VIRUS TYPE 1	1	10	7	5	1	0	24
0303	PARAINFLUENZA VIRUS TYPE 3	4	0	0	0	0	0	4
0399	PARAINFLUENZA VIRUS TYPING PEN	0	3	14	0	0	0	17
0400	RESPIRATORY SYNCYTIAL VIRUS (R	75	76	110	20	9	0	290
0500	RHINOVIRUS (ALL TYPES)	1	5	0	2	0	0	8
0600	MYCOPLASMA PNEUMONIAE	5	0	1	0	7	0	13
0700	ORNITHOSIS-PSITTACOSIS	0	0	1	0	0	0	1
0901	COXSACKIEVIRUS B1	1	0	0	0	0	0	1
0903	COXSACKIEVIRUS B3	1	0	0	0	0	0	1
1004	ECHOVIRUS TYPE 4	2	0	0	0	0	0	2
1006	ECHOVIRUS TYPE 6	0	0	0	0	1	0	1
1007	ECHOVIRUS TYPE 7	1	0	0	0	0	0	1
1009	ECHOVIRUS TYPE 9	2	0	0	0	0	0	2
1011	ECHOVIRUS TYPE 11	8	0	0	0	0	0	8
1014	ECHOVIRUS TYPE 14	2	0	0	0	0	0	2
1018	ECHOVIRUS TYPE 18	2	0	0	0	0	0	2
1021	ECHOVIRUS TYPE 21	0	0	0	0	1	0	1
1025	ECHOVIRUS TYPE 25	2	0	0	0	0	0	2
1028	ECHOVIRUS TYPE 28 = RHINO VIRU	4	0	0	0	0	0	4
1101	POLIOVIRUS TYPE 1	3	0	0	0	0	0	3
1102	POLIOVIRUS TYPE 2	3	0	0	0	0	0	3
1103	POLIOVIRUS TYPE 3	0	0	0	0	1	0	1
1200	MUMPS VIRUS	2	0	0	0	0	0	2
1300	HERPES VIRUS GROUP - NOT TYPED	3	0	0	4	0	0	7
1301	HERPES SIMPLEX VIRUS - NOT TYP	28	0	0	4	0	0	32
1302	EPSTEIN-BARR VIRUS (EB VIRUS)	0	2	14	3	20	0	39
1303	VARICELLA-ZOSTER VIRUS	5	1	2	7	1	0	16
1306	HERPES SIMPLEX TYPE 1	12	0	28	28	18	1	87
1307	HERPES SIMPLEX TYPE 2	41	0	25	46	13	0	125
1399	HERPES VIRUS TYPING PENDING	0	0	1	1	0	0	2
1401	COXIELLA BURNETII	4	0	9	0	1	0	14
1502	PICORNIA VIRUS - NOT TYPED = E	0	0	20	7	13	0	40
1521	MEASLES VIRUS	0	2	3	0	0	0	5
1522	RUBELLA VIRUS	0	0	1	0	0	0	1
1532	HEPATITIS B ANTIGEN	25	0	28	21	8	0	82
1535	HEPATITIS A ANTIBODY	0	0	0	4	2	0	6
1536	HEPATITIS C VIRUS	0	0	0	6	0	0	6
1541	CHLAMYDIA A - C. TRACHOMATIS	9	2	4	62	3	0	80
1547	UNKNOWN NAME OF THE VIRUS	0	0	1	0	0	0	1
1556	CMV - CYTOMEGALOVIRUS	9	3	23	4	1	0	40
1562	REOVIRUS (ALL TYPES)	1	0	0	0	0	0	1
1564	ROTAVIRUS	3	44	0	44	0	0	91
1565	CALICI VIRUS	1	0	0	0	0	0	1
1566	NORWALK AGENT	1	0	0	0	0	0	1
1571	ENTEROVIRUS TYPE 71 (BCR)	1	0	0	0	0	0	1
1599	ENTEROVIRUS TYPING PENDING	7	0	0	0	0	0	7
9992	ROSS RIVER VIRUS	0	0	80	0	1	0	81
9994	SMALL VIRUS (LIKE) PARTICLE	1	0	0	0	0	0	1
9995	DENGUE	0	0	4	0	0	0	4
9998	ARBOVIRUS GROUP B.(UNSPECIFIED	0	0	1	0	0	0	1
TOTAL		291	155	388	273	103	1	1211

NOTE: DIRECT COMPARISION BETWEEN STATES IS NOT POSSIBLE SINCE:
- SOME STATES HAVE MORE THAN ONE CONTRIBUTING LABORATORY; AND
- INTERSTATE REFERRRALS OCCUR REGULARLY.

AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE

VIRAL IDENTIFICATIONS BY CLINICAL INFORMATION TABLE 1

PERIOD 05/07/90 TO 18/07/90

1. CODE 00, 99 ..... - NO ILL OR DATA
2. CODE 01, 02, 11, 12 - RESPIRATORY
3. CODE E3 ..... - ENCEPHALITIS
4. CODE M3 ..... - MENINGITIS
5. CODE 04 ..... - PARALYSIS
6. CODE 05, 13 ..... - CNS OTHER UNSPEC
7. CODE 07, 49 - GASTRO INTESTINAL
8. CODE 17, 47 - HEPATIC
9. CODE 19 ... - CVS
10. CODE 89 ... - URINARY TRACCT
11. CODE 06 ... - SKIN MUCOUS

		1	2	3	4	6	7	8	9	10	11	TOTAL
0100	ADENOVIRUS NOT TYPED	0	7	0	0	0	6	0	0	0	0	13
0102	ADENOVIRUS TYPE 2	0	1	0	0	0	0	0	0	0	0	1
0103	ADENOVIRUS TYPE 3	0	2	0	0	0	0	0	0	0	0	2
0104	ADENOVIRUS TYPE 4	0	0	0	0	0	1	0	0	0	0	1
0105	ADENOVIRUS TYPE 5	0	3	0	0	0	0	0	0	0	0	3
0107	ADENOVIRUS TYPE 7	0	0	0	0	0	1	0	0	0	0	1
0110	ADENOVIRUS TYPE 10	0	0	0	0	0	7	0	0	0	0	7
0111	ADENOVIRUS TYPE 11	1	0	0	0	0	0	0	0	1	0	2
0199	ADENOVIRUS TYPING PENDING	3	3	0	0	0	0	0	0	0	1	7
0201	INFLUENZA A VIRUS	0	1	0	0	0	0	0	0	0	0	1
0202	INFLUENZA A VIRUS SUBTYPE H3N2	0	1	0	0	0	0	0	0	0	0	1
0301	PARAINFLUENZA VIRUS TYPE 1	0	22	0	0	1	0	0	0	1	0	24
0303	PARAINFLUENZA VIRUS TYPE 3	2	2	0	0	0	0	0	0	0	0	4
0399	PARAINFLUENZA VIRUS TYPING PEN	0	17	0	0	0	0	0	0	0	0	17
0400	RESPIRATORY SYNCYTIAL VIRUS (R	6	278	0	0	1	0	0	0	1	0	286
0500	RHINOVIRUS (ALL TYPES)	0	8	0	0	0	0	0	0	0	0	8
0600	MYCOPLASMA PNEUMONIAE	4	9	0	0	0	0	0	0	0	0	13
0700	ORNITHOSIS-PSITTACOSIS	0	1	0	0	0	0	0	0	0	0	1
0901	COXSACKIEVIRUS B1	1	0	0	0	0	0	0	0	0	0	1
0903	COXSACKIEVIRUS B3	0	0	0	1	0	0	0	0	0	0	1
1004	ECHOVIRUS TYPE 4	1	0	0	0	0	0	0	0	0	0	1
1007	ECHOVIRUS TYPE 7	1	0	0	0	0	0	0	0	0	0	1
1011	ECHOVIRUS TYPE 11	1	2	0	0	0	1	0	0	1	1	6
1014	ECHOVIRUS TYPE 14	0	0	0	1	0	0	0	0	0	0	1
1018	ECHOVIRUS TYPE 18	2	0	0	0	0	0	0	0	0	0	2
1028	ECHOVIRUS TYPE 28 = RHINO VIRU	0	4	0	0	0	0	0	0	0	0	4
1101	POLIOVIRUS TYPE 1	2	0	0	0	0	0	0	0	0	0	2
1103	POLIOVIRUS TYPE 3	0	0	0	0	0	1	0	0	0	0	1
1200	MUMPS VIRUS	2	0	0	0	0	0	0	0	0	0	2
1300	HERPES VIRUS GROUP - NOT TYPED	0	0	0	1	0	0	0	0	0	4	5
1301	HERPES SIMPLEX VIRUS - NOT TYP	3	2	0	0	0	0	0	0	0	13	18
1302	EPSTEIN-BARR VIRUS (EB VIRUS)	1	5	0	0	0	0	0	0	0	1	7
1303	VARICELLA-ZOSTER VIRUS	2	0	0	0	0	0	0	0	0	12	14
1306	HERPES SIMPLEX TYPE 1	4	4	0	0	0	0	0	0	0	42	50
1307	HERPES SIMPLEX TYPE 2	2	0	0	0	0	0	0	0	0	44	46
1399	HERPES VIRUS TYPING PENDING	0	0	0	0	0	0	0	0	0	1	1
1401	COXIELLA BURNETII	7	1	0	0	0	1	0	0	0	0	9
1502	PICORNIA VIRUS - NOT TYPED = E	4	17	0	0	0	12	0	0	0	4	37
1521	MEASLES VIRUS	1	0	1	0	0	0	0	0	0	1	3
1532	HEPATITIS B ANTIGEN	39	0	0	0	0	0	35	0	0	0	74
1535	HEPATITIS A ANTIBODY	2	0	0	0	0	0	4	0	0	0	6
1536	HEPATITIS C VIRUS	0	0	0	0	0	1	3	0	0	0	4
1541	CHLAMYDIA A - C. TRACHOMATIS	8	3	0	0	0	1	0	0	0	0	12
1556	CMV - CYTOMEGALOVIRUS	5	19	0	0	0	2	0	0	2	2	30
1562	REOVIRUS (ALL TYPES)	0	0	0	0	0	1	0	0	0	0	1
1564	ROTAVIRUS	0	0	0	0	0	91	0	0	0	0	91
1565	CALICI VIRUS	0	0	0	0	0	1	0	0	0	0	1
1566	NORWALK AGENT	0	1	0	0	0	0	0	0	0	0	1
1571	ENTEROVIRUS TYPE 71 (BCR)	1	0	0	0	0	0	0	0	0	0	1
1599	ENTEROVIRUS TYPING PENDING	0	3	0	0	1	1	0	1	0	0	6
9992	ROSS RIVER VIRUS	36	1	0	0	0	0	0	0	0	5	42
9994	SMALL VIRUS (LIKE) PARTICLE	0	0	0	0	0	1	0	0	0	0	1
9995	DENGUE	2	0	0	0	0	0	0	0	0	0	2
9998	ARBOVIRUS GROUP B.(UNSPECIFIED	0	1	0	0	0	0	0	0	0	0	1
TOTAL		143	418	1	3	3	129	42	1	6	131	877

AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE

VIRAL IDENTIFICATIONS BY CLINICAL INFORMATION TABLE 2

PERIOD 05/07/90 TO 18/07/90

12. CODE 10 - EYE
13. CODE 59 - GENITAL
14. CODE 39 - ENDOCRINE/SALIVARY GL.
15. CODE 38 - RETICULO-ENDOTHELIAL
16. CODE 29 - MUSCLE/JOINT
17. CODE 69 - CONGENTIAL
18. CODE P8 - PUO
19. CODE G8 - FEVER/MALAISE
20. CODE 09 - OTHER
21. CODE A1 - SIDS

		12	13	14	15	16	17	18	19	20	21	TOTAL
0100	ADENOVIRUS NOT TYPED	1	0	0	1	0	0	0	2	0	0	4
0199	ADENOVIRUS TYPING PENDING	1	0	0	0	0	0	0	1	1	0	3
0400	RESPIRATORY SYNCYTIAL VIRUS (R	0	0	0	0	0	0	0	2	2	0	4
1006	ECHOVIRUS TYPE 6	0	0	0	0	0	0	0	1	0	0	1
1009	ECHOVIRUS TYPE 9	0	0	0	0	0	0	1	0	1	0	2
1011	ECHOVIRUS TYPE 11	0	1	0	0	0	0	0	1	0	0	2
1014	ECHOVIRUS TYPE 14	0	0	0	0	0	0	0	0	1	0	1
1021	ECHOVIRUS TYPE 21	0	0	0	0	0	0	0	0	1	0	1
1025	ECHOVIRUS TYPE 25	0	0	0	0	0	0	0	0	2	0	2
1101	POLIOVIRUS TYPE 1	0	0	0	0	0	0	0	0	1	0	1
1102	POLIOVIRUS TYPE 2	0	0	0	0	0	0	0	0	1	2	3
1300	HERPES VIRUS GROUP - NOT TYPED	0	1	0	0	0	0	0	0	1	0	2
1301	HERPES SIMPLEX VIRUS - NOT TYP	0	11	0	0	0	0	0	0	3	0	14
1302	EPSTEIN-BARR VIRUS (EB VIRUS)	0	0	12	2	1	0	8	5	4	0	32
1303	VARICELLA-ZOSTER VIRUS	0	0	0	0	0	0	0	0	2	0	2
1306	HERPES SIMPLEX TYPE 1	5	32	0	0	0	0	0	0	0	0	37
1307	HERPES SIMPLEX TYPE 2	0	79	0	0	0	0	0	0	0	0	79
1399	HERPES VIRUS TYPING PENDING	1	0	0	0	0	0	0	0	0	0	1
1401	COXIELLA BURNETII	0	0	0	0	0	0	2	1	2	0	5
1502	PICORNIA VIRUS - NOT TYPED = E	0	0	0	0	0	0	0	0	0	3	3
1521	MEASLES VIRUS	0	0	0	0	0	0	0	1	1	0	2
1522	RUBELLA VIRUS	0	0	0	0	0	0	0	0	1	0	1
1532	HEPATITIS B ANTIGEN	0	0	0	0	0	0	0	0	8	0	8
1536	HEPATITIS C VIRUS	0	0	0	0	0	0	0	0	2	0	2
1541	CHLAMYDIA A - C. TRACHOMATIS	3	65	0	0	0	0	0	0	0	0	68
1556	CMV - CYTOMEGALOVIRUS	0	2	0	0	0	1	0	1	6	0	10
1599	ENTEROVIRUS TYPING PENDING	0	0	0	0	0	1	0	0	0	0	1
9992	ROSS RIVER VIRUS	0	0	0	0	21	0	0	7	11	0	39
9995	DENGUE	0	0	0	0	0	0	0	1	1	0	2
TOTAL		11	191	12	3	22	2	11	23	52	5	332