

## Communicable

## Diseases

## Intelligence

NOTIFIABLE DISEASES REPORTING IN THE C.D.I.

The National Health and Medical Research Council Session in October 1978 revised the list of diseases recommended to the States for inclusion in their legislation as Notifiable Diseases. The revised list is included in the tables in this bulletin, and will be reported on a monthly basis in the C.D.I.

Bulletin 78/19 discussed the nature of the data collected under the Notifiable Diseases Returns in Australia. Each State Health authority has legislation which requires certain specified diseases to be reported upon diagnosis. This information is eventually transmitted to Canberra and a national summary produced.

It is reiterated that the figures in the Notifiable Diseases Returns tables may not necessarily coincide with those for similar diseases reported under the C.D.I. scheme. Whereas the latter is collated from information provided on a regular basis from a defined group of laboratories, the Notifiable Diseases data is dependent upon the voluntary advice of medical practitioners or laboratories involved in the diagnosis. Although this provides data from a much wider source, the ability to extrapolate the information from year to year has definite limitations. Where a disease is monitored in both data sets (e.g. Q. fever, salmonellosis, etc.), it is recommended that the C.D.I. tables be chosen as the reference source.

Since there will be a time lag before the recommended list of notifiable diseases is incorporated into the various State legislations (either in part or whole), many of the diseases in this new list will be recorded as "not notifiable (NN)". This entry will remain until the specific disease in question is notifiable, and figures on its incidence are received in Canberra.

MALARIA IN AUSTRALIA

In the last 10 years, there has been a global resurgence in the incidence of malaria. The extent of this is such that in the last 5 years, the number of cases reported from all countries has doubled. In some countries the incidence has reached dramatic proportions with the figures showing a 30-40 fold increase compared to 1969-1970. It is estimated that 200 million people are afflicted throughout the world, and over a billion people live in malaria-risk areas.

The reasons for this are numerous and include the falling off of emphasis on antimalarial endeavour, administrative and operational short-comings, rises in costs (notably gasoline) and technical difficulties. One technical difficulty has been the appearance of chloroquine resistant strains of Plasmodium falciparum in areas of Brazil, Colombia, Ecuador, Panama, Surinam, Venezuela, Bangladesh, Burma, Dem. Kampuchea (Cambodia), India, Indonesia, Lao Peoples Dem. Rep., Papua New Guinea, Phillipines, Thailand and Vietnam.

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The Bulletin is compiled and distributed by the Communicable Health Branch, Department of Health, P.O. Box 1, Woden, A.C.T. 2606, Australia, and is available on request. Contributions are solicited, and must reach us later publication elsewhere. Material appearing in the Bulletin may be quoted provided suitable acknowledgement is made.

Although not the most common type of malaria imported into Australia, falciparum malaria is the most severe type and can be fatal. In the Medical Journal of Australia, 7 October 1978, Professor Black of the School of Public Health and Tropical Medicine in Sydney, points out that although there have been only 2 deaths in Australia in the 270 recorded cases of falciparum malaria since 1969, more deaths can be expected if this current trend continues. During 1977, there were 288 cases of malaria imported into Australia; of these, 56 were infections with P. falciparum. Of the 180 cases imported from Papua New Guinea, 45 were infections with P. falciparum and in 21 of these, the parasite was considered to be resistant to chloroquine. There were only 2 other cases of chloroquine resistant falciparum imported into Australia in 1977. (Since there is no readily available test for chloroquine resistance, reliance for the diagnoses will need to be placed on the history of itinerary and non-response to standard anti-malarial treatment.)

These figures represent an increase over those recorded for 1976. During 1976, 264 malaria cases were notified, all of which were imported. There were no deaths. 87.5% were Plasmodium vivax infections, and there were 25 cases due to P. falciparum, 3 to P. ovale, and 4 mixed infections. 90.2% of the cases occurred among civilians and the remainder among army personnel. 160 of the infections originated in Papua New Guinea, 13 in New Hebrides, 37 in Indonesia and 14 in India. West Malaysia, Sri Lanka, Democratic Kampuchea (Cambodia), Thailand, the Philippines, Pakistan, Africa and Madagascar accounted for 23 cases between them. In 17 cases the country of origin was not specified. 34 cases were reported in the malaria receptive area of Australia north of latitude 19°S. (W.E.R. 1978 v. 53 No. 7 1.49-50)

In order that the surveillance of malaria cases occurring in this country continue to be as accurate as possible, readers are reminded that:

- (i) Laboratories should notify the central State and Territory health authority of each positive slide;
- (ii) the central authority should arrange for the "Malaria Information Form" to be completed in respect of each case, and forwarded to the Section of Tropical Medicine at the School of Public Health and Tropical Medicine at the University of Sydney, 2006;
- (iii) a duplicate slide from each case should also be sent to the Section of Tropical Medicine, School of Public Health and Tropical Medicine.

\*\* It should be noted that this is a combined issue for the periods 14.12.78 to 27.12.78 (78/26) and 28.12.78 to 10.1.79 (Issue date 9 January 1979) due to deficiencies in staff over the Christmas, New Year holiday period.

AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE

REPORTING PERIOD - 28-12-78 . 10-1-79 BULLETIN NUMBER . 79/1  
 VIRAL IDENTIFICATIONS FROM CONTRIBUTING LABORATORIES

VIRUS OR VIRAL ANTIGEN	ICPMR (NSW) / WVH (ACT)	HANC (NSW)	PHH/ POW (NSW)	FAIR- FIELD (VIC)	RCH (VIC)	IMVS (SA)	STATE LAB (QLD)	STATE LAB (WA)	Total
0100 ADENOVIRUS NOT TYPED.....	1					2	1	1	5
0101 ADENOVIRUS TYPE 1.....	1			1				1	3
0102 ADENOVIRUS TYPE 2.....		1		1		3		8	13
0103 ADENOVIRUS TYPE 3.....								1	1
0104 ADENOVIRUS TYPE 4.....								1	1
0105 ADENOVIRUS TYPE 5.....				1				3	4
0107 ADENOVIRUS TYPE 7.....				1		1		2	4
0111 ADENOVIRUS TYPE 11.....						1			1
0199 ADENOVIRUS TYPING PENDING.....		1	3	1	5	2			12
0201 INFLUENZA A VIRUS.....	1			1		2			4
0203 INFLUENZA B VIRUS.....	3			3			1	6	13
0301 PARAINFLUENZA VIRUS TYPE 1.....								1	1
0302 PARAINFLUENZA VIRUS TYPE 2.....						1			1
0303 PARAINFLUENZA VIRUS TYPE 3.....					4	1	4	2	11
0400 RESPIRATORY SYNCYTIAL VIRUS (RS)....								3	3
0500 RHINOVIRUS (ALL TYPES).....				3	2	1	1	1	8
0600 MYCOPLASMA PNEUMONIAE.....	21			9	1	23	22	10	86
0700 ORNITHOSIS-PSITTACOSIS.....	1			3				2	6
0800 COXSACKIEVIRUSES GROUP A - NOT TYPED.....								1	1
0809 COXSACKIEVIRUS A9.....	1								1
0816 COXSACKIEVIRUS A16.....				1					1
0901 COXSACKIEVIRUS B1.....			1			2		1	4
0903 COXSACKIEVIRUS B3.....				2					2
0904 COXSACKIEVIRUS B4.....			2						2
1003 ECHOVIRUS TYPE 3.....			4					1	5
1005 ECHOVIRUS TYPE 5.....			1	1		1			3
1014 ECHOVIRUS TYPE 14.....								1	1
1016 ECHOVIRUS TYPE 18.....								1	1
1021 ECHOVIRUS TYPE 21.....	1								1
1022 ECHOVIRUS TYPE 22.....			1						1
1025 ECHOVIRUS TYPE 25.....							1		1

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 VIRAL IDENTIFICATIONS FROM CONTRIBUTING LABORATORIES-CONTINUED

VIRUS OR VIRAL ANTIGEN	ICPMR (NSW) WVH (ACT)	RAHC (NSW)	PMH/ POW (NSW)	FAIR- FIELD (VIC)	RCH (VIC)	IMVS (SA)	STATE LAB (QLD)	STATE LAB (WA)	Total
1030 ECHOVIRUS TYPE 30.....	2	1		3				1	7
1099 ECHOVIRUS TYPING PENDING.....					1		19		20
1101 POLIOVIRUS TYPE 1.....						1	1		2
1103 POLIOVIRUS TYPE 3.....						1			1
1104 POLIOVIRUS-VACCINAL STRAIN.....						1			1
1200 MOMPUS VIRUS.....	1			4		4	10		19
1300 HERPES VIRUS GROUP-NOT TYPED.....						1			1
1301 HERPES SIMPLEX VIRUS-NOT TYPED.....	7	1	5	1	4	1	14	27	60
1302 EPSTEIN-BARR VIRUS (EB VIRUS).....	1					1			2
1303 VARICELLA-ZOSTER VIRUS.....	6						1		7
1306 HERPES SIMPLEX TYPE 1.....	5	1		9		2			17
1307 HERPES SIMPLEX TYPE 2.....	19			13		2			34
1399 HERPES VIRUS TYPING PENDING.....				2		8			10
1401 COXIELLA BURNETI.....	4					2	11	1	18
1512 VACCINIA VIRUS.....				1					1
1521 MEASLES VIRUS.....	6			12	5	6			29
1522 RUBELLA VIRUS.....				3		1	4	9	17
1532 HEPATITIS B ANTIGEN.....			19	32		9	3	5	68
1533 HEPATITIS B ANTIBODY.....						1		3	4
1541 CHLAMYDIA A - TRIC TYPE.....								1	1
1556 CMV - CYTOMEGALOVIRUS.....	12	1		8	2	3	1	6	35
1564 ROTAVIRUS.....			7			5		1	13
1599 ENTEROVIRUS TYPING PENDING.....	3	1	4	1	1	9			19
ROSS RIVER VIRUS.....						1	1		2
PARVOVIRUS (LIKE).....						2			2
Total.....	96	7	47	117	25	101	95	103	591

AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE

REPORTING PERIOD - 14-12-78 . 27-12-78 BULLETIN NUMBER . 78/26  
 VIRAL IDENTIFICATIONS FROM CONTRIBUTING LABORATORIES

VIRUS OR VIRAL ANTIGEN	ICPME		PHH/	FAIR-			STATE	STATE	Total
	(NSW)/ WVH (ACT)	RANC (NSW)	POW (NSW)	FIELD (VIC)	RCH (VIC)	IMVS (SA)	LAB (QLD)	LAB (WA)	
0100 ADENOVIRUS NOT TYPED.....	2		11			1	5	2	21
0101 ADENOVIRUS TYPE 1.....					1	2	1		4
0102 ADENOVIRUS TYPE 2.....					3	5	3		11
0103 ADENOVIRUS TYPE 3.....					2	2			4
0105 ADENOVIRUS TYPE 5.....					1	1	2		4
0106 ADENOVIRUS TYPE 6.....	1					1			2
0107 ADENOVIRUS TYPE 7.....		2				4			6
0113 ADENOVIRUS TYPE 13.....							1		1
0119 ADENOVIRUS TYPE 19.....					1				1
0199 ADENOVIRUS TYPING PENDING.....		1	1			6	7		15
0201 INFLUENZA A VIRUS.....	2		4	1			2	5	14
0203 INFLUENZA B VIRUS.....	1				1		3	5	10
0302 PARAINFLUENZA VIRUS TYPE 2.....								1	1
0303 PARAINFLUENZA VIRUS TYPE 3.....							3	2	12
0400 RESPIRATORY SYNCYTIAL VIRUS (RS).....			1				3	4	8
0500 RHINOVIRUS (ALL TYPES).....		1	1	1		3	5		11
0600 MYCOPLASMA PNEUMONIAE.....	24	1	10	8	2	26	15	13	99
0700 ORNITHOSIS-PSITTACOSIS.....	1		2	2				6	11
0800 COXSACKIEVIRUSES GROUP A - NOT TYPED.....							3		3
0809 COXSACKIEVIRUS A9.....			1						1
0816 COXSACKIEVIRUS A16.....							1		1
0900 COXSACKIEVIRUS GROUP B - NOT TYPED.....								1	1
0901 COXSACKIEVIRUS B1.....			1	1		6			8
0903 COXSACKIEVIRUS B3.....	1	1		1					3
0904 COXSACKIEVIRUS B4.....		2					1		3
0905 COXSACKIEVIRUS B5.....								2	2
1000 ECHOVIRUS NOT TYPED.....							5		5
1003 ECHOVIRUS TYPE 3.....	1						1		2
1004 ECHOVIRUS TYPE 4.....					1				1
1005 ECHOVIRUS TYPE 5.....					1				1
1016 ECHOVIRUS TYPE 6.....							1		1

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REPORTING PERIOD - 14-12-78 . 27-12-78 BULLETIN NUMBER . 78/26  
 VIRAL IDENTIFICATIONS FROM CONTRIBUTING LABORATORIES-CONTINUED

VIRUS OR VIRAL ANTIGEN	ICPMB	RAHC	PRH/	FAIR-	RCH	IMVS	STATE	STATE	Total
	(NSW)/ WVH (ACT)	(NSW)	POW (NSW)	FIELD (VIC)	(VIC)	(SA)	LAE (QLD)	LAE (WA)	
1011 ECHOVIRUS TYPE 11.....				1				1	2
1014 ECHOVIRUS TYPE 14.....								1	1
1016 ECHOVIRUS TYPE 16.....						1			1
1018 ECHOVIRUS TYPE 18.....		1							1
1030 ECHOVIRUS TYPE 30.....		1	1	5					7
1099 ECHOVIRUS TYPING PENDING.....	5	1							6
1102 POLIOVIRUS TYPE 2.....	1								1
1104 POLIOVIRUS-VACCINAL STRAIN.....		2				1			3
1200 MUMPS VIRUS.....	2	1		1		1	4	2	11
1300 HERPES VIRUS GROUP-NOT TYPED.....				2		4			6
1301 HERPES SIMPLEX VIRUS-NOT TYPED.....	10		6		1	1	10	26	54
1302 EPSTEIN-BARR VIRUS (EB VIRUS).....	1								1
1303 VARICELLA-ZOSTER VIRUS.....	5			1					6
1306 HERPES SIMPLEX TYPE 1.....	18	2		11		15			46
1307 HERPES SIMPLEX TYPE 2.....	34			11		19			64
1399 HERPES VIRUS TYPING PENDING.....	1								1
1401 COXIELLA BURNETI.....	2			2		2	8		14
1502 PICORNA VIRUS-NOT TYPED.....								1	1
1512 VACCINIA VIRUS.....				1					1
1515 CONTAGIOUS PUSTULAR DERMATITIS (ORF VIRUS).....	1								1
1521 MEASLES VIRUS.....	6		1	18	1	2	3		33
1522 RUBELLA VIRUS.....		3		4		2	6	9	24
1532 HEPATITIS B ANTIGEN.....	2		2	25		14	8	11	62
1533 HEPATITIS B ANTIBODY.....						22	5	21	48
1541 CHLAMYDIA A - TRIC TYPE.....						1		26	27
1556 CMV - CYTOMEGALOVIRUS.....	6	3	5	2	1	3	4	6	30
1504 ROTAVIRUS.....	2		2	1		3		3	11
1571 ENTEROVIRUS TYPE 71 (BSCR).....				1					1
1599 ENTEROVIRUS TYPING PENDING.....		1	1		6	4			12
LOSS RIVER VIRUS.....							4		4
Total.....	101	23	51	110	42	149	90	156	752



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REPORTING PERIOD - 14-12-78 . 27-12-78 BULLETIN NUMBER . 78/26  
 VIRAL IDENTIFICATIONS CATEGORISED INTO SOURCE SPECIMENS-CONTINUED

VIRUS OR VIRAL ANTIGEN	PA	BL	NA	CS	SK	EY	UR	BB	CE	OT	TOTAL
1014 ECHOVIRUS TYPE 14	1										1
1016 ECHOVIRUS TYPE 16				1							1
1018 ECHOVIRUS TYPE 18	1										1
1030 ECHOVIRUS TYPE 30	2		4	3						1	10
1099 ECHOVIRUS TYPING PENDING	1		2	2						1	6
1102 POLIOVIRUS TYPE 2				1							1
1104 POLIOVIRUS-VACCINAL STRAIN	1						2				3
1200 MUMPS VIRUS		7	1	2						1	11
1300 HERPES VIRUS GROUP-NOT TYPED					6						6
1301 HERPES SIMPLEX VIRUS-NOT TYPED		12	4		15				21	2	54
1302 EPSTEIN-BARR VIRUS (EB VIRUS)		1									1
1303 VARICELLA-ZOSTER VIRUS		4			1					1	6
1306 HERPES SIMPLEX TYPE 1			10	1	22	2			9	2	46
1307 HERPES SIMPLEX TYPE 2					4				56		60
1399 HERPES VIRUS TYPING PENDING			1								1
1401 COXIELLA BURNETT		14									14
1502 PICORNA VIRUS-NOT TYPED			1								1
1512 VACCINIA VIRUS					1						1
1515 CONTAGIOUS PUSTULAR DERMATITIS (ORF VIRUS)										1	1
1521 MEASLES VIRUS		17	16								33
1522 RUBELLA VIRUS		23	2								25
1532 HEPATITIS B ANTIGEN		61									61
1533 HEPATITIS B ANTIBODY		48									48
1541 CHLAMYDIA A - TRIC TYPE						1			26		27
1550 CMV - CYTOMEGALOVIRUS		14	8	1			6		1	1	31
1564 BOIVIRUS	11										11
1571 ENTEROVIRUS TYPE 71 (EACB)			1								1
1599 ENTEROVIRUS TYPING PENDING	9		2				1				12
ROSS RIVER VIRUS		4									4
Total	58	372	114	16	51	10	10		113	12	750



DISEASE	Total	N.S.W.	VIC	QLD	S.A.	W.A.	TAS.	N.T.	A.C.T.	CUMULATIVE TOTAL TO DATE FOR YEAR
Salmonella infections										
Shigella infections										
Smallpox										
Syphilis										
Tetanus										
Trachoma										
Tuberculosis (all forms)										
Typhoid fever										
Typhus (all forms)										
Vibrio parahaemolyticus infections										
Yellow Fever										
Yersinia enterocolitica infections										

Data collected under the Notifiable Diseases Returns may bear little or no correlation to that collected under the CDI laboratory scheme. Whilst the latter is a sampling program, the Notifiable Diseases data is dependent upon voluntary reporting by medical practitioners etc.

AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE

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 VIRAL IDENTIFICATIONS CATEGORISED INTO SOURCE SPECIMENS

VIRUS OR VIRAL ANTIGEN	FA	BL	NA	CS	SK	EY	UR	BR	GE	CT	TOTAL
0100 ADENOVIRUS NOT TYPED.....		4				1					5
0101 ADENOVIRUS TYPE 1.....	1		2								3
0102 ADENOVIRUS TYPE 2.....	6		7								13
0103 ADENOVIRUS TYPE 3.....							1				1
0104 ADENOVIRUS TYPE 4.....	1										1
0105 ADENOVIRUS TYPE 5.....	1		3								4
0107 ADENOVIRUS TYPE 7.....	2		1			1					4
0111 ADENOVIRUS TYPE 11.....						1					1
0199 ADENOVIRUS TYPING PENDING.....	6		5			2	2				15
0201 INFLUENZA A VIRUS.....		3	1								4
0203 INFLUENZA B VIRUS.....		8	5								13
0301 PARAINFLUENZA VIRUS TYPE 1.....			1								1
0302 PARAINFLUENZA VIRUS TYPE 2.....		1									1
0303 PARAINFLUENZA VIRUS TYPE 3.....		3	7	1							11
0400 RESPIRATORY SYNCYTIAL VIRUS (RS)...			3								3
0500 RHINOVIRUS (ALL TYPES).....			8								8
0600 MYCOPLASMA PNEUMONIAE.....		85									85
0700 ORNITHOSIS-PSITTACOSIS.....		6									6
0800 COXSACKIEVIRUSES GROUP A - NOT TYPED.....	1										1
0809 COXSACKIEVIRUS A9.....					1						1
0816 COXSACKIEVIRUS A16.....	1										1
0901 COXSACKIEVIRUS B1.....	3		2								5
0903 COXSACKIEVIRUS B3.....	2										2
0904 COXSACKIEVIRUS B4.....	1				1		1				3
1003 ECHOVIRUS TYPE 3.....	4		2								6
1005 ECHOVIRUS TYPE 5.....	3										3
1014 ECHOVIRUS TYPE 14.....	1										1
1018 ECHOVIRUS TYPE 18.....			1								1
1021 ECHOVIRUS TYPE 21.....	1										1
1022 ECHOVIRUS TYPE 22.....			1								1
1025 ECHOVIRUS TYPE 25.....										1	1
1030 ECHOVIRUS TYPE 30.....	1		1	6							8

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REPORTING PERIOD - 28-12-78 . 10-1-79 BULLETIN NUMBER . 79/1  
 VIRAL IDENTIFICATIONS CATEGORISED INTO SOURCE SPECIMENS-CONTINUED

VIRUS OR VIRAL ANTIGEN	FA	BL	NA	CS	SK	EY	UR	BR	GE	OT	TOTAL
1099 ECHOVIRUS TYPING PENDING.....	9		7	4			1				21
1101 POLIOVIRUS TYPE 1.....	2										2
1103 POLIOVIRUS TYPE 3.....	1										1
1104 POLIOVIRUS-VACCINAL STRAIN.....	1										1
1200 MUMPS VIRUS.....		12	3	4							19
1300 HERPES VIRUS GROUP-NOT TYPED.....					1						1
1301 HERPES SIMPLEX VIRUS-NOT TYPED.....		8	5		19	1			22	6	61
1302 EPSTEIN-BARR VIRUS (EB VIRUS).....		2									2
1303 VARICELLA-ZOSTER VIRUS.....		7									7
1306 HERPES SIMPLEX TYPE 1.....			7		4	1		1	3	1	17
1307 HERPES SIMPLEX TYPE 2.....	1				2		2		29		34
1399 HERPES VIRUS TYPING PENDING.....			2		4				4		10
1401 COXIELLA BURNETI.....		17									17
1512 VACCINIA VIRUS.....					1						1
1521 MEASLES VIRUS.....		12	17								29
1522 RUBELLA VIRUS.....		17									17
1532 HEPATITIS B ANTIGEN.....		66									66
1533 HEPATITIS B ANTIBODY.....		4									4
1541 CHLAMYDIA A - TRIC TYPE.....									1		1
1556 CMV - CYTOMEGALOVIRUS.....		16	1				10		8	1	36
1564 ROTAVIRUS.....	13										13
1599 ENTEROVIRUS TYPING PENDING.....	11		6	2						1	20
ROSS RIVER VIRUS.....		2									2
PAROVIRUS.....	2										2
Total.....	75	273	98	19	31	7	17	1	67	10	598