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AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE
(incorporating the National Microbiological
Laboratory Reporting Service)

LIBRARY

BULLETIN 20

22 September - 5 October 1977

25 OCT 1977

DEPARTMENT OF HEALTH

OUTBREAK OF INFLUENZA-LIKE ILLNESS - BRITISH COLUMBIA (continued)

Just after Bulletin 19 was distributed we received Canada Diseases Weekly Report of 10 September, which states "Several virus isolates have now been made from those involved in the outbreak and have been tentatively classified as Influenza A. These isolates are presently being classified..."

INFLUENZA TYPING (contributed by Laboratory of Pathology and Microbiology, Brisbane, and Institute of Clinical Pathology and Medical Research, Sydney).

In the ten weeks from late July to early October the Laboratory of Pathology and Microbiology isolated Influenza A2 from 111 patients (one from tissue collected at post mortem), from a wide area in S.E. Queensland. In some centres, such as the Gold Coast, Ipswich, Stanthorpe, Goondiwindi, Wondai and Nanango, reports and isolation rates indicate that the virus was in minor epidemic proportions over a two to three week period, whilst in other centres such as Brisbane and Rockhampton the indications are that infection was only sporadic.

The viruses isolated are all similar to A/Vic/3/75, but final typing is still forthcoming from the W.H.O. Reference Laboratory.

All 51 Influenza A isolates made at ICPMR this year also appear to be similar to A/Vic/3/75.

A CASE OF IMPORTED POLIOMYELITIS (contributed by Royal Children's Hospital, Melbourne, and Fairfield Hospital)

A three month old girl who had arrived in Australia from Turkey two weeks earlier, developed monoplegia on 2 October. She was admitted to the Royal Children's Hospital on 3 October and developed progressive paralysis over the next two days. On 5 October she was transferred to Fairfield Hospital. As this note was written (12 October) she has gross limb weakness and requires artificial respiration. Poliovirus type 1 was isolated from throat, faeces and urine of 4 October.

The occurrence reaffirms, says Fairfield Hospital, that virulent poliovirus is still endemic in many parts of the world, and for that matter probably in the Australian community as well. Immunisation against poliomyelitis with Sabin vaccine must

be maintained at a high level, and is most desirable for Australian travellers to developing countries.

CORRECTION

The dates of the reporting periods shown on Bulletins 17, 18 and 19 should be shown as one day earlier:

11 August	-	24 August	(17)
23 August	-	7 September	(18)
8 September	-	21 September	(19)

ABBREVIATIONS USED

From time to time, until the Bulletin's circulation becomes big enough to justify printing (when we hope to print names in full) we publish lists of abbreviations used in the tables.

The laboratory codes are:

BRISBANE		
STATE LAB	Laboratory of Pathology and Microbiology,	Brisbane.
SYDNEY/CANBERRA		
ICPMR	Institute of Clinical Pathology and Medical Research,	Lidcombe
WVH	Woden Valley Hospital,	Canberra
RAHC	Royal Alexander Hospital for Children,	Camperdown
PHH/POW	Prince Henry/Prince of Wales Hospital Group,	Sydney
MELBOURNE		
FAIRFIELD	Fairfield Hospital	
RCH	Royal Children's Hospital,	Parkville
ADELAIDE		
IMVS	Institute of Medical and Veterinary Science,	Adelaide
PERTH		
STATE LAB	State Health Laboratory Services,	Perth.

The source of specimen codes are:

FA	faeces/rectal swab
BL	blood/serum
NA	nasopharyngeal swab or aspirate
CS	cerebrospinal fluid
SK	skin
EY	eye
UR	urine
BR	bronchial washings or aspirate
GE	genital swab
OT	other

PERIOD: 20
DATE: 22.9.'77 to 5.10.'77

LABORATORY

VIRUS OR VIRAL ANTIGEN	BRISBANE STATE LAB.	SYDNEY/CANBERRA			MELBOURNE		ADELAIDE	PERTH STATE LAB.	TOTAL
		ICPMR/WVH	RAHC	PHH/POW	FAIR-FIELD	RCH	IMVS		
100 Adenovirus not typed	8			1	1	1	1	2	14
101 " type 1		1			1	1	1		4
102 " " 2			1			2	1		4
103 " " 3							1		1
105 " " 5						2	4	1	7
107 " " 7			1						1
1201 Influenza A virus	1	4		15	8		10	2	40
1202 " A virus subtype H3N2 (former A2)	5	2			6	8	4	1	26
1301 Parainfluenza virus type 1	1					1		5	7
1302 " " " 2	1					2		6	9
1303 " " " 3	2					3		2	7
1400 Respiratory syncytial virus (RS)						6	7	21	34
1500 Rhinovirus (all types)	2				4	7			13
1600 Mycoplasma pneumoniae	6	10		2	1		2	2	23
1700 Ornithosis-psittacosis		1			3				4
1816 Coxsackievirus A16					2			6	8
1904 " B4								1	1
1905 " B5			1					1	2
1006 Echovirus type 6							2		2
1007 " " 7					1				1
1009 " " 9	1	3			1				5
1011 " " 11							2		2

NATIONAL MICROBIOLOGICAL LABORATORY REPORTING SERVICE

PERIOD: 20

PAGE 2

DATE: 22.9.'77 to 5.10.'77

LABORATORY

VIRUS OR VIRAL ANTIGEN	BRISBANE STATE LAB.	SYDNEY/CANBERRA			MELBOURNE		ADELAIDE IMVS	PERTH STATE LAB.	TOT
		ICPMR/ WVH	RAHC	PHH/POW	FAIR- FIELD	RCH			
1015 Echovirus type 15								2	2
1017 " " 17							2		2
1018 " " 18		1							1
1101 Poliovirus type 1					1	1			2
1102 " " 2	1								1
1200 Mumps virus	6			1	3		2	1	13
1300 Herpes virus not typed					2		1	1	4
1301 " simplex virus - not typed	16	5		4		5	1		31
1303 Varicella-Zoster virus							2	2	4
1306 Herpes simplex type 1		9			12		8		29
1307 " " " 2		28			3		14		45
1401 Coxiella burneti	21	4					3		28
1521 Measles virus				1					1
1522 Rubella virus	2	1			1	1			5
1532 Hepatitis B antigen	8	4	1	10	32		13	10	78
1533 " B antibody	1						8	15	24
1541 TRIC - Trachoma-Inclusion conjunctivitis	1						2	12	15
1556 CMV - cytomegalovirus	7	2		3	2	3	1	11	29
1564 Rotavirus	2			1	4		9	2	18
Ross River	1								1
TOTAL TYPED VIRUSES	93	75	4	38	88	43	101	106	548

NATIONAL MICROBIOLOGICAL LABORATORY REPORTING SERVICE

PERIOD 20
 DATES 22.9.'77 to 5.10.'77

LABORATORY

VIRUS OR VIRAL ANTIGEN	BRISBANE STATE LAB.	SYDNEY/CANBERRA			MELBOURNE		ADELAIDE	PERTH STATE LAB.	TOTAL
		ICPMR/WVH	RAHC	PHH/POW	FAIR-FIELD	RCH	IMVS		
0199 Adenovirus type pending						2	2		4
0299 Influenza virus type pending		2							2
1099 Echovirus type pending		1							1
1399 Herpes virus type pending								23	23
1599 Enterovirus type pending						5			5

PERIOD: 20

DATE: 22.9.'77 to 5.10.'77

SOURCE OF SPECIMEN

VIRUS OR VIRAL ANTIGEN	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	TOTAL
0100 Adenovirus not typed	5	6	3								14
0101 " type 1	1		2				1				4
0102 " " 2			3				1				4
0103 " " 3	1										1
0105 " " 5	4		2							1	7
0107 " " 7			1								1
0201 Influenza A virus		39								1	40
0202 " A virus subtype H3N2 (former A2)		2	22							2	26
0301 Parainfluenza virus type 1			7								7
0302 " " " 2		2	7								9
0303 " " " 3		2	5								7
0400 Respiratory syncytial virus (RS)		1	33								34
0500 Rhinovirus (all types)			12							1	13
0600 Mycoplasma pneumoniae		23									23
0700 Ornithosis-psittacosis		4									4
0816 Coxsackievirus A16	2		3		4						9
0904 " B4		1									1
0905 " B5		2									2
1006 Echovirus type 6	2		2								4
1007 " " 7				1							1
1009 " " 9	2		1	2			1				6
1011 " " 11			1								1
1015 " " 15	1			1							2
1017 " " 17	1		1								2
1018 " " 18				1							1

PERIOD: 20
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SOURCE OF SPECIMEN

VIRUS OR VIRAL ANTIGEN	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	TOTAL
1101 Poliovirus type 1	1		2				1				4
1102 " " 2	1									1	13
1200 Mumps virus		10	1	1							4
1300 Herpes virus not typed		1			3						4
1301 " simplex virus - not typed		2	11		6	1		10			30
1303 Varicella-Zoster virus		3			1						4
1306 Herpes simplex type 1			9		10	2		7		1	29
1307 " " " 2					1			32	1	2	36
1401 Coxiella burneti		28									28
1521 Measles virus		1									1
1522 Rubella virus		4									4
1532 Hepatitis B antigen		78									78
1533 " B antibody		24									24
1541 TRIC - Trachoma-Inclusion conjunctivitis						2		13			15
1556 CMV - cytomegalovirus		9	8				4	7		2	30
1564 Rotavirus	18										18
Ross River		1									1
TOTAL TYPED VIRUSES	39	243	136	6	25	5	8	69	1	11	543

PERIOD: 20

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SOURCE OF SPECIMEN

VIRUS OR VIRAL ANTIGEN	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	TOTAL
0199 Adenovirus type pending	2		2								4
0299 Influenza virus type pending			2								2
1099 Echovirus type pending				1							1
1399 Herpes virus type pending			5		10			10			25
1599 Enterovirus type pending	1		5				1				7

23.9.'77

LIST B COMMUNICABLE DISEASES AND AGENTS NOTIFIED AFTER HOSPITAL AND LABORATORY DIAGNOSIS

DISEASES	CASES NOTIFIED DURING WEEK								CUMULATIVE TOTAL - year to date*							
	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	N.T.	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	N.T.
AMOEBIASIS	N.N.								N.N.	5	17	3	4			
ANKYLOSTOMIASIS	N.N.								N.N.		45		17			226
ARBO VIRUS INFECTION			N.N.		N.N.						N.N.		N.N.			
DENGUE					N.N.						1		N.N.			
MURRAY VALLEY ENCEPHALITIS			N.N.	N.N.	N.N.		N.N.				N.N.	N.N.	N.N.		N.N.	
OTHER (STATE TYPE)				N.N.	N.N.		N.N.					N.N.	N.N.		N.N.	
HYDATID									8	1	1	2	1			
MALARIA	4	3	1						59	37	46	14	18	1	9	7
ORNITHOSIS (PSITTACOSIS, etc)										1			1			
Q. FEVER			4	2			N.N.		120		374	9				N.N.
SALMONELLA (LABORATORY ISOLATES)	3	5	1	4	3		3	1	552	99	55	182	215	48	38	49
SHIGELLA (LABORATORY ISOLATES)	N.N.		1	1				1	N.N.		68	58			5	145

N.N. - NOT NOTIFIABLE

* - INCLUDES ADJUSTMENTS FOR REVISED DIAGNOSIS OR OTHER AMENDMENT.

QLD. (+) - MONTHLY NOTIFICATION OF GONORRHOEA AND SYPHILIS.

N.B. Notifications of Syphilis and Gonorrhoea for Queensland are for the month of August.

Director-General of Health

16.9.'77

LIST B COMMUNICABLE DISEASES AND AGENTS NOTIFIED AFTER HOSPITAL AND LABORATORY DIAGNOSIS

DISEASES	CASES NOTIFIED DURING WEEK									CUMULATIVE TOTAL - year to date*						
	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	N.T.	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	T.T.
AMOEBIASIS	N.N.								N.N.							
ANKYLOSTOMIASIS	N.N.								N.N.							226
ARBO VIRUS INFECTION			N.N.		N.N.						N.N.		N.N.			
DENGUE					N.N.								N.N.			
MURRAY VALLEY ENCEPHALITIS			N.N.	N.N.	N.N.		N.N.				N.N.	N.N.	N.N.		N.N.	
OTHER (STATE TYPE)				N.N.	N.N.		N.N.					N.N.	N.N.		N.N.	
HYDATID																
MALARIA															1	7
ORNITHOSIS (PSITTACOSIS, etc)																
Q. FEVER							N.N.								N.N.	
SALMONELLA (LABORATORY ISOLATES)								2							48	48
SHIGELLA (LABORATORY ISOLATES)	N.N.								N.N.							144

N.N. - NOT NOTIFIABLE

* - INCLUDES ADJUSTMENTS FOR REVISED DIAGNOSIS OR OTHER AMENDMENT.

QLD. (+) - MONTHLY NOTIFICATION OF GONORRHOEA AND SYPHILIS.

Director-General of Health