

NOTIFICATIONS

MEASLES

During the first nine months of 1993 all Area Health Services and Regions received notifications for measles.

The annual notification rate for the State is 18.4/100,000 population. Western Sydney has received notifications at a rate of 68.9/100,000 population.

Measles notifications peaked in epiweeks six to 10 and again in epiweeks 17 and 18. The increase in notifications that began in week 23 continues unabated. Most measles notifications have been for the Blacktown Local Government Area.

WHOOPING COUGH

During the first nine months of 1993 all Areas and Regions received notifications for whooping cough.

The annual notification rate for the State is 10.3/100,000 population. Central West Region has received notifications at a rate of 23.0/100,000 population. Northern Sydney Area has received notifications at a rate of 15.3/100,000.

RUBELLA

During 1993 all Area Health Services and Regions except Orana and Far West, representing 98 per cent of the NSW population, received notifications for rubella.

Notifications for rubella have continued at low levels. Thirty-two per cent of the year's notifications were for January.

The notification rate for the State for 1993 remains at 4.5/100,000 population for the third month.

TUBERCULOSIS

Two hundred and thirteen notifications were received for the first nine months of the year, for a rate of 4.8/100,000 population. Western Sydney Area has a notification rate of 7.8/100,000 population. The Central West Region has received notifications at a rate of 4.0/100,000 population.

TABLE 6

SITE OF INFECTION FOR 1993 NOTIFICATIONS

SITE	NUMBER	PERCENTAGE
Respiratory	113	53
Miliary	4	2
Primary	5	2
Genitourinary	7	3
Meningitis	5	2
Bone	3	2
Gastrointestinal	4	2
Other/unspecified	72	33

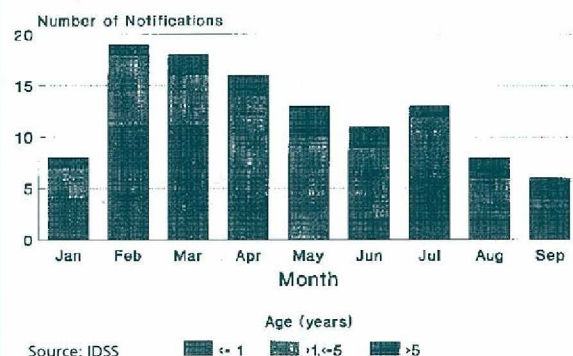
JAPANESE ENCEPHALITIS VACCINE

The Overseas Service Bureau has brought to our attention the fact that Japanese Encephalitis vaccine is available at Fairfield Hospital, Melbourne. Details can be obtained by telephoning (02) 280 2222.

This information supercedes information contained in the article on Travel Health, in the August 1993 NSW Public Health Bulletin.

FIGURE 1

HAEMOPHILUS INFLUENZAE TYPE B
NSW, 1993



Source: IDSS

HAEMOPHILUS INFLUENZA TYPE B IMMUNISATION

A total of 168,510 doses of vaccine against Haemophilus influenzae type b (Hib) were distributed through the State Vaccine Centre between July 1 and October 6. This vaccine has been used for the infant immunisation schedule since May 1, and for the "catch-up" program for children aged less than five years of age since September 1.

Notifications for Hib have decreased significantly during 1993. Only four notifications were received for September, compared with 18 for September 1992 – a decrease of 78 per cent.

INFLUENZA SURVEILLANCE

Surveillance of influenza in NSW shows that activity appears to have peaked and begun to decline during September. Reports of influenza-like illness (ILI) for September from the NSW GP sentinel surveillance network were received from six Public Health Units (PHUs). State mean levels fell from a peak of 2.3 per cent of consultations in August to 1.8 per cent by mid-September. New England PHU reported the highest level of 4.7 per cent. The State mean peak for 1992 was 13 per cent. Reports from the national ASPREN network also peaked at the end of August. Absenteeism surveillance in 11 schools through five PHUs showed only a small increase during the winter and autumn months. The Eastern Sydney Area laboratory surveillance system showed a predominance of influenza A during 1993 (65 per cent of total influenza isolates), in contrast to national surveillance through CDI which showed a predominance of influenza B. Laboratory reports of adenovirus and respiratory syncytial virus have been more numerous than influenza. It has been a quiet year for influenza.

BUG BREAKFAST – DECEMBER 3 – 8.15 AM, NSW HEALTH DEPARTMENT

Using MapInfo in infectious diseases surveillance and control

The desktop mapping software MapInfo has been used by the Northern Sydney Area Public Health Unit to map infectious diseases notifications for almost three years. The presentation will take the form of a practical demonstration of how MapInfo accesses, maps and analyses infectious diseases data. This will include the mapping of IDSS data, council cooling towers databases, and EpiInfo files. The use of CDATA91 for MapInfo will also be examined.

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Infectious diseases

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TABLE 7

INFECTIOUS DISEASE NOTIFICATIONS
BY SELECTED MONTH OF ONSET FOR 1993

Condition	Month			
	Jun	Jul	Aug	Total
Adverse event				
after immunisation	4	—	2	6
AIDS	19	26	21	66
Arboviral infection	19	9	6	34
Brucellosis	—	—	1	1
Foodborne illness (NOS)	12	3	2	17
Gastroenteritis (instit.)	83	14	9	106
Gonorrhoea	21	24	28	73
H influenzae epiglottitis	5	3	4	12
H influenzae meningitis	3	6	6	15
H influenzae septicaemia	1	2	3	6
H influenzae infection (NOS)	2	2	—	4
Hepatitis A – acute viral	42	46	36	124
Hepatitis B – acute viral	5	9	4	18
Hepatitis B – unspecified	279	326	329	934
Hepatitis C – acute viral	1	3	2	6
Hepatitis C – unspecified	478	540	506	1,524
Hepatitis D – unspecified	1	2	—	3
Hepatitis, acute viral (NOS)	1	1	—	2
HIV infection	80	79	73	232
Hydatid disease	1	—	—	1
Legionnaires' disease	2	2	3	7
Leprosy	—	—	1	1
Leptospirosis	—	1	1	2
Listeriosis	1	1	—	2
Measles	62	83	170	315
Meningococcal meningitis	7	4	13	24
Meningococcal septicaemia	2	3	8	13
Meningococcal infection (NOS)	—	2	1	3
Mumps	—	—	1	1
Mycobacterial – atypical	25	10	5	40
Mycobacterial tuberculosis	33	29	16	78
Mycobacterial infection (NOS)	8	7	2	17
Pertussis	43	86	87	216
Q fever	32	39	34	105
Rubella	14	15	22	51
Salmonella (NOS)	33	39	35	107
Salmonella bovis moribificans	1	2	3	6
Salmonella typhimurium	24	14	4	42
Syphilis	58	61	69	188
Tetanus	—	—	1	1
Total	1,402	1,494	1,508	4,404

TABLE 8

SUMMARY OF NSW INFECTIOUS DISEASE NOTIFICATIONS
SEPTEMBER 1993

Condition	Number of cases notified			
	Period		Cumulative	
	Sep 1992	Sep 1993	Sep 1992	Sep 1993
Adverse reaction	2	2	30	20
AIDS	27	7	249	200
Arboviral infection	7	2	319	589
Brucellosis	1	1	2	4
Cholera	—	—	—	—
Diphtheria	—	—	—	—
Foodborne illness (NOS)	13	—	165	85
Gastroenteritis (instit.)	8	19	380	228
Gonorrhoea	55	3	277	244
H influenzae epiglottitis	4	—	37	31
H influenzae B – meningitis	10	—	82	44
H influenzae B – septicaemia	3	1	23	20
H influenzae infection (NOS)	1	3	24	13
Hepatitis A	65	12	395	425
Hepatitis B	272	135	2,505	2,500
Hepatitis C	363	173	3,173	3,787
Hepatitis D	—	—	5	7
Hepatitis, acute viral (NOS)	1	—	13	5
HIV infection	40	24	551	407
Hydatid disease	—	—	5	1
Legionnaires' disease	1	3	85	48
Leprosy	—	—	5	1
Leptospirosis	1	1	19	12
Listeriosis	4	—	13	6
Malaria*	16	N/A	120	N/A
Measles	64	253	328	814
Meningococcal meningitis	9	11	60	52
Meningococcal septicaemia	3	2	12	27
Meningococcal infection (NOS)	1	1	9	9
Mumps	2	1	20	3
Mycobacterial tuberculosis	34	7	333	213
Mycobacterial – atypical	30	—	422	186
Mycobacterial infection (NOS)	—	4	24	42
Pertussis	23	38	120	458
Plague	—	—	—	—
Poliomyelitis	—	—	—	—
Q fever	23	7	162	264
Rubella	40	4	90	199
Salmonella infection (NOS)	43	7	680	639
Syphilis	62	15	760	482
Tetanus	1	—	2	5
Typhoid and paratyphoid	2	1	27	15
Typhus	—	—	—	—
Viral haemorrhagic fevers	—	—	—	—
Yellow fever	—	—	—	—

* from Malaria Register

TABLE 9

VACCINE PREVENTABLE DISEASE NOTIFICATIONS
BY PUBLIC HEALTH UNIT, CUMULATIVE 1993

Condition	CSA	SSA	ESA	SWS	WSA	WEN	NSA	CCA	ILL	HUN	NCR	NER	OFR	CWR	SWR	SER	U/K	Total
H. Influenzae epiglottitis	2	7	1	—	—	2	4	1	2	2	2	2	1	—	2	3	—	31
H. Influenzae meningitis	3	4	—	7	3	3	3	2	6	1	3	3	1	3	1	1	—	44
H. Influenzae septicaemia	1	3	1	8	1	—	1	—	1	2	—	2	—	—	—	—	—	20
H. Influenzae infection (NOS)	—	—	2	—	2	1	3	2	—	2	—	—	1	—	—	—	—	13
Measles	66	56	10	107	298	76	34	18	26	36	18	6	41	4	10	8	—	814
Mumps	—	—	—	2	—	—	—	—	—	1	—	—	—	—	—	—	—	3
Pertussis	21	21	30	75	49	28	84	6	24	21	28	13	21	29	4	4	—	458
Rubella	5	15	12	21	22	17	23	4	3	18	24	20	—	4	4	7	—	199
Tetanus	—	1	—	—	—	—	—	—	—	—	2	—	1	—	—	1	—	5

TABLE 10

**RARELY NOTIFIED INFECTIOUS DISEASES
BY PUBLIC HEALTH UNIT, CUMULATIVE 1993**

Condition	CSA	SSA	ESA	SWS	WSA	WEN	NSA	CCA	ILL	HUN	NCR	NER	OFR	CWR	SWR	SER	U/K	Total
Brucellosis	1	1	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	4
Hydatid disease	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Leprosy	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Leptospirosis	-	-	-	-	-	-	-	-	-	2	4	2	1	-	3	-	-	12
Listeriosis	2	-	-	2	1	-	-	-	-	1	-	-	-	-	-	-	-	6

TABLE 11

**INFECTIOUS DISEASE NOTIFICATIONS
BY PUBLIC HEALTH UNIT
CUMULATIVE 1993**

Condition	CSA	SSA	ESA	SWS	WSA	WEN	NSA	CCA	ILL	HUN	NCR	NER	OFR	CWR	SWR	SER	U/K	Total
Adverse event after immunisation	1	2	1	-	5	-	1	-	-	2	-	1	-	5	2	-	-	20
AIDS	34	5	73	12	9	5	24	1	2	2	21	1	2	3	6	-	-	200
Arboviral Infection	1	1	1	1	1	3	3	1	1	26	51	26	102	13	354	4	-	589
Foodborne Illness (NOS)	6	3	-	17	23	10	-	2	6	-	-	2	11	-	5	-	-	85
Gastroenteritis (Instit)	64	6	-	9	13	4	-	21	-	39	-	17	3	20	32	-	-	228
Gonorrhea	40	12	94	12	14	4	17	4	3	6	11	7	10	6	1	3	-	244
Hepatitis A - Acute viral	42	17	37	42	97	19	36	10	14	11	39	42	6	5	5	3	-	425
Hepatitis B - Acute viral	6	3	18	1	5	1	-	-	-	-	26	3	-	-	2	2	-	67
Hepatitis B - Unspecified	375	299	-	764	382	30	347	29	19	61	43	32	15	11	17	9	-	2,433
Hepatitis C - Acute viral	1	-	-	-	3	-	-	1	1	-	2	3	1	1	-	3	-	16
Hepatitis C - Unspecified	539	283	484	427	398	87	414	176	140	305	253	58	24	50	83	50	-	3,771
Hepatitis D - Unspecified	2	1	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	7
Hepatitis acute viral (NOS)	-	-	1	-	-	-	-	-	-	1	-	1	-	2	-	-	-	5
HIV infection	59	11	157	17	11	8	31	8	3	12	10	1	1	-	2	1	75	407
Legionnaires' disease	8	1	-	13	13	-	3	1	3	2	1	-	1	-	1	1	-	48
Meningococcal meningitis	1	3	1	8	8	1	3	3	2	2	5	4	1	2	1	7	-	52
Meningococcal septicaemia	4	5	1	1	2	3	3	-	2	1	1	2	1	-	-	1	-	27
Meningococcal infection (NOS)	-	-	1	-	-	-	1	2	1	1	-	-	2	1	-	-	-	9
Mycobacterial atypical	39	12	7	9	23	3	23	1	7	27	21	7	1	1	4	1	-	186
Mycobacterial tuberculosis	29	31	13	34	36	6	25	8	4	14	2	2	3	5	-	1	-	213
Mycobacterial infection (NOS)	7	-	1	1	3	-	11	4	7	1	3	1	1	-	2	-	-	42
Q fever	-	-	1	1	3	-	1	-	1	20	55	80	73	11	4	14	-	264
Salmonella (NOS)	21	43	44	36	21	5	48	25	10	62	45	35	23	5	10	7	-	440
Salmonella bovis moribificans	1	3	2	-	2	-	2	-	-	10	-	-	-	1	1	-	-	22
Salmonella typhimurium	18	25	15	17	13	10	17	2	1	21	7	5	13	-	8	5	-	177
Syphilis	62	30	61	130	19	6	23	5	6	6	35	25	60	4	7	3	-	482
Typhoid and paratyphoid	1	1	4	1	-	2	2	-	-	1	2	-	-	1	-	-	-	15

TABLE 12

**NOTIFICATIONS OF NON-NOTIFIABLE SEXUALLY TRANSMITTED
DISEASES JANUARY-SEPTEMBER 1993
(Diagnoses from sexual health centres unless otherwise stated in footnote)**

AHS Infection	CSA + SSA ¹	ESA ²	SWS ³	WSA ² + WEN	NSA ³	CCA ³	ILL ²	HUN ¹	NCR ³	NER ²	OFR ³	CWR ⁴	SWR ⁵	SER ⁶
Chlamydia trachomatis														
Male	2	64	3	21	1	-	8	11	2	4	13	-	6	
Female	4	52	6	13	1	-	4	32	2	10	13	-	22	
Total	6	116	9	34	2	-	12	43	4	14	26	-	28	4
Donovanosis														
Male	-	-	-	-	-	-	-	-	-	-	-	-	-	
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*Genital herpes														
Male	12	222	3	29	11	5	7	21	3	2	3	-	1	
Female	6	143	2	18	3	5	8	24	4	5	5	-	10	
Total	18	365	5	47	14	10	15	45	7	7	8	-	11	3
*Genital warts														
Male	61	490	57	132	20	22	62	93	34	15	20	-	-	
Female	49	214	24	55	15	13	25	37	20	14	15	-	-	
Total	110	704	81	187	35	35	87	130	54	29	35	-	-	12
Nongonococcal urethritis														
Male	9	525	11	253	11	9	52	69	16	4	13	-	1	
Female	-	-	3	3	4	5	-	-	4	-	1	-	-	
Total	9	525	14	256	15	14	52	69	20	4	14	-	1	-
Lymphogranuloma venereum														
Male	-	-	-	-	-	-	-	-	-	-	-	-	-	
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* First diagnosis; 1. 01/01/93-31/08/93; 2. 01/01/93-31/05/93; 3. 01/01/93-31/07/93; 4. 01/01/93-30/06/93; 5. No SHC in Region; 6. No SHC in Region. Laboratory data 01/01/93-31/08/93; 7. No SHC in Region. Data from GP network 01/01/93-19/09/93.