

Revision of Meningitis Surveillance System in Jordan during 2001 and 2014 Years

kareman Jum`ah alzein*

Senior Community

doubtful, the missing data would not affect

Age group	2001	2014
<2 years	224	184
3-5 years	104	98
6-10 y	165	89
11-15 y	53	31
16-20 y	7	15
>20 years	13	53
Total	566	465

Table 3 Number of meningitis cases during January-September in Jordan in 2001 year and 2014 by age group.

According to Table 3, it reveals that the majority of cases are less than 15 years old (96.5%).

District	2001	2014
Ajloon	6	5
Amman	79	101
Balka	9	23
Banekenana	25	4
Deiralla	7	0
East amman	8	7
Irbid	296	228
Jarash	10	20

Karak	1	0
Kura	23	0
Maan	1	0
Madaba	3	5
Mafrak	6	3
North agwar	24	3
North badia	3	2
South shona	5	2
Tafileh	3	1
Zarka	57	53
Total	566	465

Table 4 Distribution of meningitis cases by districts in Jordan in 2001 and 2014 years.

Looking at Table 4 it shows that the majority of cases are from Irbid, Amman and Zarka. Analyzing data to determine which laboratory test is mostly used in meningitis, the analysis revealed that 91% had CSF culture, while 41.5% had latex test and 15% had gram stain test.

Under 2 years old 7% from f t the suspected case def nition based on WHO criteria, while 93.0% don't. 1.3% only f t with the probable case def nition based on WHO criteria, while 98.7% cases don't. For the other age category (> 2 years old) 76.0% f t with the WHO suspected case def nition, while 24% don't. 26.8% f t with WHO probable case def nition, while 73.2% don't.

Source: Ministry of Health, Jordan, 2014

According to Table 5 the sensitivity of meningitis surveillance system a visit was planned to Al-Basheer hospital, it revealed severe underreporting. By reviewing the records it was found that 160 cases of meningitis cases were entered the hospital, while the DDC received only 22 cases from the hospital. The physician who was met in the pediatric ward confirmed the underreporting and explained it by the overload of work in their ward, because it considered as a referral hospital and there is no time or a specialized person to report the cases

Confirmed: A suspected or probable case with laboratory confirmation

Haemophilus influenzae type b meningitis and bacterial meningitis