

Table (1) Measles weekly Bulletin WHO/MoH Iraq
Surveillance summary and analysis of selected performance indicators for measles/rubella surveillance-Iraq 2010 & 2011 up to week 30

Province	Suspect measles		Cases tested for measles		Measles lab confirmed		Total confirmed measles		Annualized Measles incidence/million		Annualized Measles reporting rate/100,000		Total rubella cases	
	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011**	2010	2011**	2010	2011
ANBAR	3	24	1	24	1	0	3	0	4	-	-	2.8	0	0
BABYLON	28	9	26	9	0	0	2	0	2	-	2.7	0.9	1	0
BA-KARKH	103	59	48	50	18	0	73	9	39	5	1.6	2.7	0	2
BA-RESAFA	94	73	63	66	5	2	36	9	17	4	2.7	3.0	2	1
BASRAH	82	70	72	70	2	0	12	0	8	-	4.8	4.8	3	1
DAHUK	17	24	12	24	7	0	12	0	23	-	1.0	4.6	1	1
DIWANIYA	25	20	19	20	0	2	6	2	10	3	3.1	2.9	2	1
DIYALA	34	20	14	20	9	1	29	1	39	1	0.7	2.5	0	0
ERBIL	14	17	12	16	2	0	4	1	4	1	1.1	1.8	0	0
KERBALA	23	23	23	23	0	0	0	0	-	-	4.3	4.3	1	0
KIRKUK	148	16	123	16	99	0	124	0	188	-	3.6	2.4	1	0
MISSAN	14	15	6	15	0	0	8	0	15	-	1.1	2.7	0	0
MUTHANNA	8	18	8	17	0	0	0	1	-	2	1.9	4.1	0	0
NAJAF	30	31	28	31	0	0	2	0	3	-	4.1	4.5	1	1
NINEWA	98	38	84	38	50	0	64	0	37	-	2.0	2.2	1	2
SALAHADIN	12	17	8	15	7	0	11	2	15	3	0.1	2.0	0	0
SULAYMANIA	41	18	18	18	8	0	31	0	33	-	1.1	1.9	0	0
THI-QAR	54	44	41	44	0	0	13	0	14	-	4.4	4.7	0	0
WASSIT	48	81	30	79	1	2	19	4	31	6	4.7	12.5	1	0
IRAQ	876	617	636	595	209	7	449	29	25	2	2.4	3.3	14	9

Serious problems in measles reporting in one DoH

Blue shading measles surveillance need to be strengthened.

Yellow shading suspect current measles transmission;

**Annualized data

Red shading intense past measles transmission, Total confirmed measles= Total suspect measles-discarded. All notified cases without lab investigation are considered as clinically confirmed.

Table (2) Cumulative measles/rubella case finding report up to week 30 year 2011

Province	Total Population	Measles case finding report						Rubella case finding report			
		Suspect measles	Measles lab confirmed	MEAS EPI linked	MEAS CLIN diagnosed	Measles total confirmed	discarded measles	Rubella tested	Rubella Lab confirmed	rubella EPI linked	discarded rubella
ANBAR	1,459,895	24	0	0	0	0	24	24	0	0	24
BABYLON	1,671,267	9	0	0	0	0	9	9	1	0	8
BA-KARKH	3,252,109	50	0	0	9	9	50	50	0	0	50
BA-RESAFA	3,754,045	68	2	0	7	9	64	68	2	0	66
BASRAH	2,503,344	70	0	0	0	0	70	70	3	0	67
DAHUK	907,467	24	0	0	0	0	24	24	1	0	23
DIWANIYA	1,076,511	20	2	0	0	2	18	20	2	0	18
DIYALA	1,296,612	20	1	0	0	1	19	20	0	0	20
ERBIL	1,564,087	17	0	0	1	1	16	17	0	0	17
KERBALA	916,639	23	0	0	0	0	23	23	1	0	22
KIRKUK	1,146,310	16	0	0	0	0	16	16	1	0	15
MISSAN	953,187	15	0	0	0	0	15	15	0	0	15
MUTHANN A	715,323	17	0	0	1	1	17	17	0	0	17
NAJAF	1,185,120	31	0	0	0	0	31	31	1	0	30
NINEWA	3,014,656	38	0	0	0	0	38	38	1	0	37
SALAHADI N	1,284,803	15	0	0	2	2	15	15	0	0	15

SULAYMA	1,606,008	18	0	0	0	0	18	18	0	0	18
THI-QAR	1,623,674	44	0	0	0	0	44	44	0	0	44
WASSIT	1,068,653	79	2	0	2	4	77	79	1	0	78
IRAQ	30,999,711	598	7	0	22	29	588	598	14	0	584

Table (3) Cumulative measles/rubella case count and surveillance indicators up to week 30 of Year 2011

Province	Total population	*** Measles reporting rate	** Measles Incidence	Indicators target >80%				
				% of suspected tested for measles IgM	% with complete investigation	% specimens received at NML within 7 days	% adequate specimens	% results reported to EPI within 7 days
ANBAR	1,459,895	2.8	-	100%	21%	89%	100%	100%
BABYLON	1,671,267	0.9	-	100%	33%	56%	100%	100%
BA-KARKH	3,252,109	2.7	5	100%	38%	87%	100%	100%
BA-RESAFA	3,754,045	3.0	4	97%	34%	63%	100%	100%
BASRAH	2,503,344	4.8	-	100%	59%	99%	100%	100%
DAHUK	907,467	4.6	-	100%	38%	35%	100%	100%
DIWANIYA	1,076,511	2.9	3	100%	15%	60%	100%	100%
DIYALA	1,296,612	2.5	1	100%	61%	93%	100%	100%
ERBIL	1,564,087	1.8	1	94%	80%	89%	100%	100%
KERBALA	916,639	4.3	-	100%	35%	100%	100%	100%
KIRKUK	1,146,310	2.4	-	100%	75%	88%	100%	100%
MISSAN	953,187	2.7	-	100%	7%	93%	100%	100%
MUTHANNA	715,323	4.1	2	100%	17%	83%	100%	100%
NAJAF	1,185,120	4.5	-	100%	48%	100%	100%	100%
NINEWA	3,014,656	2.2	-	100%	50%	71%	100%	100%
SALAHADIN	1,284,803	2.0	3	100%	22%	83%	100%	100%
SULAYMANI	1,606,008	1.9	-	100%	55%	50%	100%	100%
THI-QAR	1,623,674	4.7	-	100%	9%	53%	100%	100%
WASSIT	1,068,653	12.5	6	100%	38%	43%	100%	100%
IRAQ	30,999,71	3.3	2	99%	40%	74%	100%	100%

** This figure represents lab confirmed + EPI linked +clinical measles.

*** This figure represents non-measles suspect cases/100,000 population.

EMRO definition of complete investigation = district + age + sex + drash + vaccinfo (1 or 2) + DLM + measles1 (1 or 2 or 3) if spec collected.

Red shading intense transmission is suspected, there is a need for urgent steps to improve routine measles coverage.

Yellow Shading Indicator not met.

Anbar; Babylon; diyala Erbil ; Salahaddin; Sulymania have clear week measles surveillance indicators

In May 2010, the WHA endorsed the following measles control targets for 2015 as milestones towards measles eradication:

- Increasing measles immunization coverage to >90% nationally and >80% in every district;
- Reporting an incidence of <5 cases/1 000,000 population;
- Reducing measles mortality by 95% compared with 2000 levels.

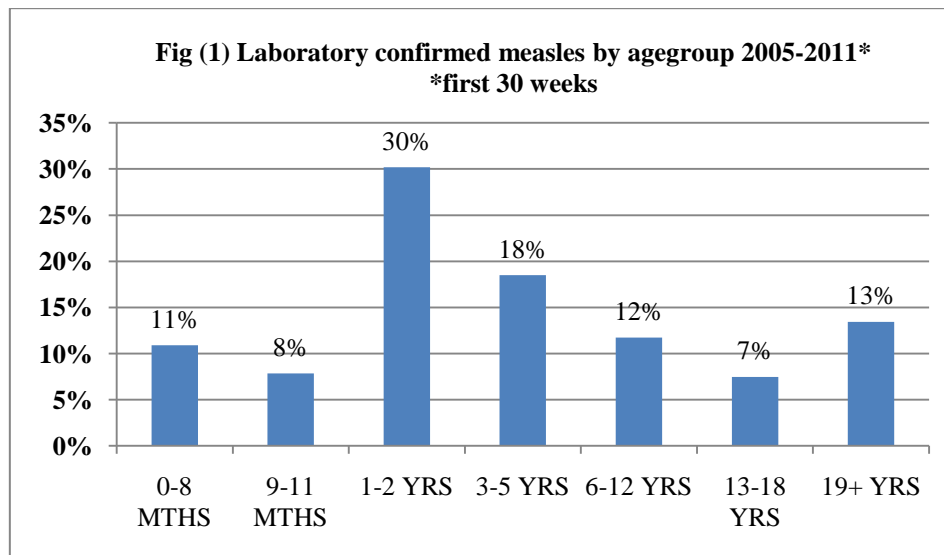


Fig (1) shows that 19% of confirmed measles cases are occurring among infants below the age of one year. 57% of confirmed measles cases occur in the age group below 5 years of age. MoH has completed an H to H immunization national campaign to immunize children 6 months to 3 years of age using mono-valent measles vaccine. The good news is that during the first 30 weeks of 2011 there are only 7 laboratory confirmed cases. All cases that have specimens, 598 were found negative by NML except 7. However; for 22 cases no specimens were collected and investigation was not adequate; were considered as clinically positive; which points to several weaknesses in the surveillance system in the 6 provinces that did not collect specimen nor sent a complete case investigation form.

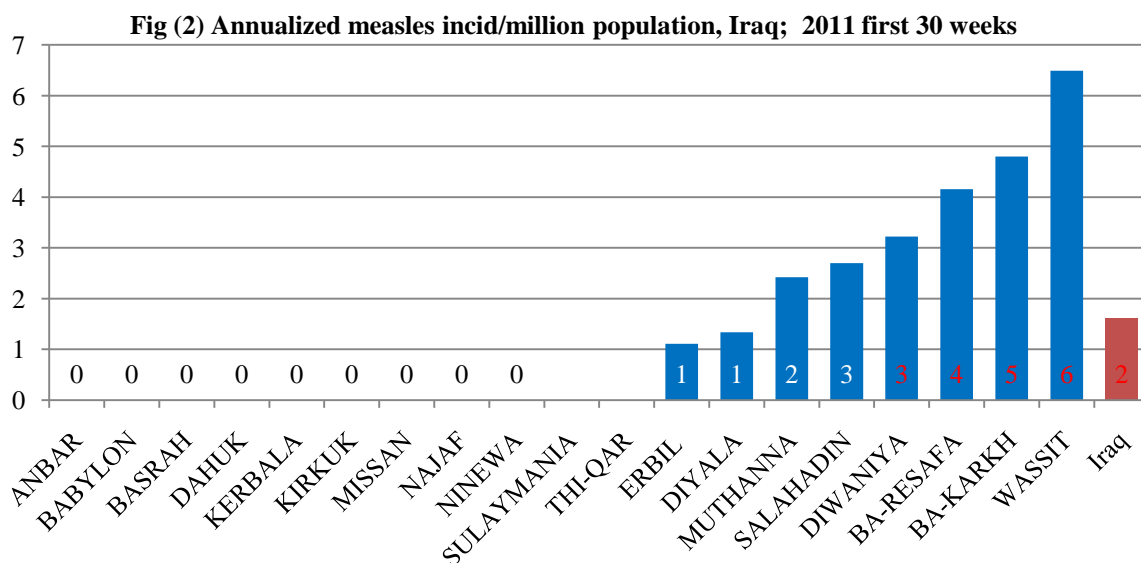


Fig (2) shows 8 DoH in which measles transmission is considered as still ongoing; all cases were clinically diagnosed since the 10 provinces were not able to collect blood specimens from the cases. It must be mentioned that all cases (598) for which specimens were collected tested negative to measles and rubella IgM except 7 were positive; 2 from each of Wasit; Baghdad-Resafa; Diwaniya; and one from Diyala.

Fig (3) Annualized non-measles rate /100,000 population ; 2011 first 30 weeks; Iraq

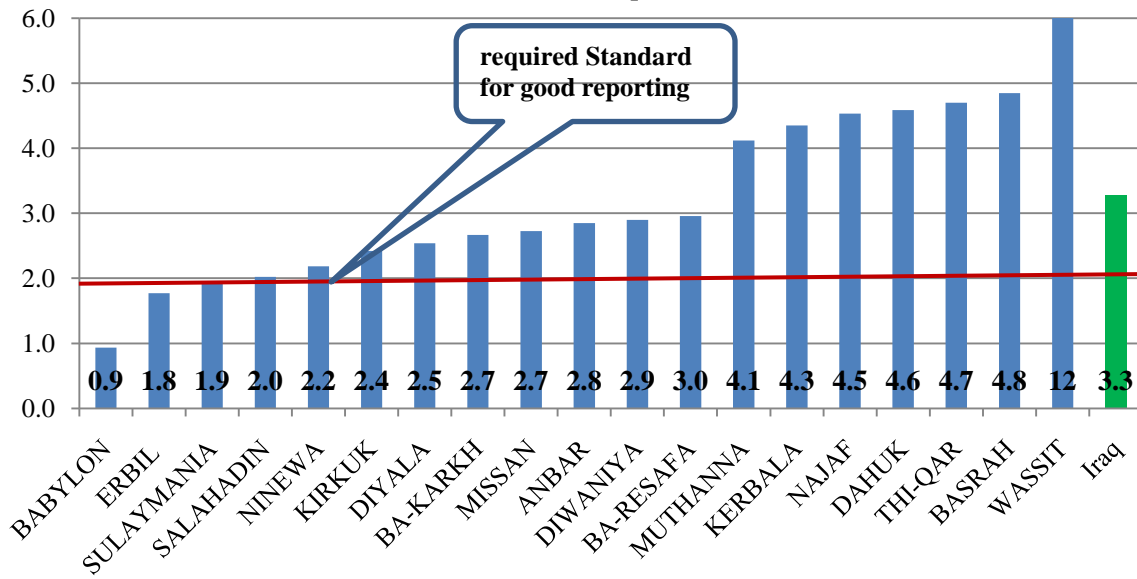


Figure (3) shows that the reporting rate is below the acceptable level of 2/100,000 population in 5 D.

