


Measles weekly Bulletin WHO/MoH Iraq
Surveillance summary and analysis of selected performance indicators for measles/rubella surveillance-Iraq
2010; first 20 weeks compared with the same period for 2009

Province	Suspect measles		Cases tested for measles		Total confirmed measles		Measles lab confirmed		Measles incidence/million		Total rubella cases	
	2009	2010	2009	2010	2009	2010		2010	2009	2010	2009	2010
ANBAR	37	1	15	1	27	1	12	1	21	2	0	0
BABYLON	458	20	378	20	408	0	333	0	533	0	27	1
BA-KARKH	821	35	557	35	622	10	435	10	385	9	26	0
BA-RESAFA	2112	65	986	48	1703	21	823	4	586	3	26	2
BASRAH	619	36	165	31	478	5	132	0	141	0	7	0
DAHUK	21	7	18	5	12	7	10	5	28	14	0	0
DIWANIYA	703	13	399	14	614	0	369	0	936	0	8	2
DIYALA	186	14	97	11	151	10	80	7	140	12	2	0
ERBIL	48	9	35	9	37	2	40	2	70	4	2	0
KERBALA	613	16	293	17	540	0	268	0	749	0	16	0
KIRKUK	67	88	31	88	43	75	31	73	28	66	2	1
MISSAN	205	3	150	3	119	0	88	0	274	0	4	0
MUTHANNA	124	5	92	5	105	0	73	0	325	0	3	0
NAJAF	227	23	138	21	208	2	133	0	287	0	6	0
NINEWA	518	84	228	71	423	58	185	45	468	114	12	1
SALAHADIN	24	8	15	4	18	8	11	4	23	8	0	0
SULAYMANIA	102	14	79	14	71	5	71	5	119	8	3	0
THI-QAR	257	28	204	27	194	1	153	0	243	0	10	0
WASSIT	556	26	258	19	461	8	210	1	549	3	13	1
Iraq	7698	495	4138	443	6234	213	3457	157	300	14	167	8

 Serious problems in measles reporting in 2 DoHs

Cumulative measles/rubella case finding report up to week 20 ending 23 May 2010

Province	Total population	Measles case finding report							Rubella case finding report			
		total suspect measles cases	No. of specimen tested for measles	MEASLAB confirmed	Count of MEASEPI linked	Count of MEASCLIN diagnosed	total confirmed measles	Count of discarded measles	count of Rubella tested	Rubella Lab confirmed	rubella EPI linked	total discarded rubella
ANBAR	1483280	1	1	1	0	0	1	0	1	0	0	1
BABYLON	1625434	20	20	0	0	0	0	20	20	1	0	19
BA-KARKH	2937300	35	35	10	0	0	10	25	35	0	0	34
BA-RESAFA	3650383	65	48	4	7	10	21	44	48	2	0	46
BASRAH	2426607	36	31	0	0	5	5	31	31	0	0	29
DAHUK	942268	7	5	5	2	0	7	0	5	0	0	5
DIWANIYA	1025253	14	14	0	0	0	0	14	14	2	0	12
DIYALA	1486547	14	11	7	3	0	10	4	11	0	0	11
ERBIL	1482958	9	9	2	0	0	2	7	9	0	0	9
KERBALA	930509	17	17	0	0	0	0	17	17	0	0	17
KIRKUK	2864705	90	88	73	2	0	75	15	88	1	0	87
MISSAN	834977	3	3	0	0	0	0	3	3	0	0	3
MUTHANNA	583511	5	5	0	0	0	0	5	5	0	0	5
NAJAF	1206264	23	21	0	0	2	2	21	21	0	0	20
NINEWA	1027800	84	71	45	9	4	58	26	71	1	0	69
SALAHADIN	1254303	8	4	4	0	4	8	0	4	0	0	4
SULAYMANIA	1547072	14	14	5	0	0	5	9	14	0	0	14
THI-QAR	1640193	28	27	0	0	1	1	27	27	0	0	27
WASSIT	995296	26	19	1	0	7	8	18	19	1	0	18
Iraq	29,944,660	499	443	157	23	33	213	286	443	8	0	430

Cumulative measles/rubella case count and surveillance indicators up to week 20 ending 23 May 2010

Province	Total population	** Measles incidence	*** Measles reporting rate	Indicators target >80%				
				* of suspected tested for measles IgM	% of cases with complete investigation	% of specimens received at the NML within 7 days	% adequate specimens	% results reported to EPI within 7 days
ANBAR	1483280	2	1	100%	0%	100%	100%	100%
BABYLON	1625434	0	8	100%	40%	80%	100%	95%
BA-KARKH	2937300	9	13	100%	49%	89%	100%	88%
BA-RESAFA	3650383	15	13	83%	54%	69%	72%	79%
BASRAH	2426607	5	5	86%	67%	100%	86%	97%
DAHUK	942268	19	3	100%	29%	0%	71%	100%
DIWANIYA	1025253	0	11	100%	36%	86%	100%	43%
DIYALA	1486547	17	3	100%	43%	82%	79%	64%
ERBIL	1482958	4	1	100%	67%	67%	100%	75%
KERBALA	930509	0	7	100%	12%	100%	100%	94%
KIRKUK	2864705	68	1	100%	40%	83%	98%	82%
MISSAN	834977	0	21	100%	67%	100%	100%	67%
MUTHANNA	583511	0	8	100%	60%	80%	100%	60%
NAJAF	1206264	4	1	91%	26%	95%	91%	95%
NINEWA	1027800	147	13	95%	62%	90%	85%	80%
SALAHADIN	1254303	17	1	50%	50%	100%	50%	75%
SULAYMANIA	1547072	8	4	100%	64%	86%	100%	93%
THI-QAR	1640193	2	9	96%	21%	67%	93%	100%
WASSIT	995296	21	14	73%	50%	26%	73%	89%
Iraq	29944660	18	7	93%	47%	81%	88%	84%

** This figure represents lab confirmed+EPI linked +clinical measles. *** This figure represents non-measles suspect cases/100,000 population.

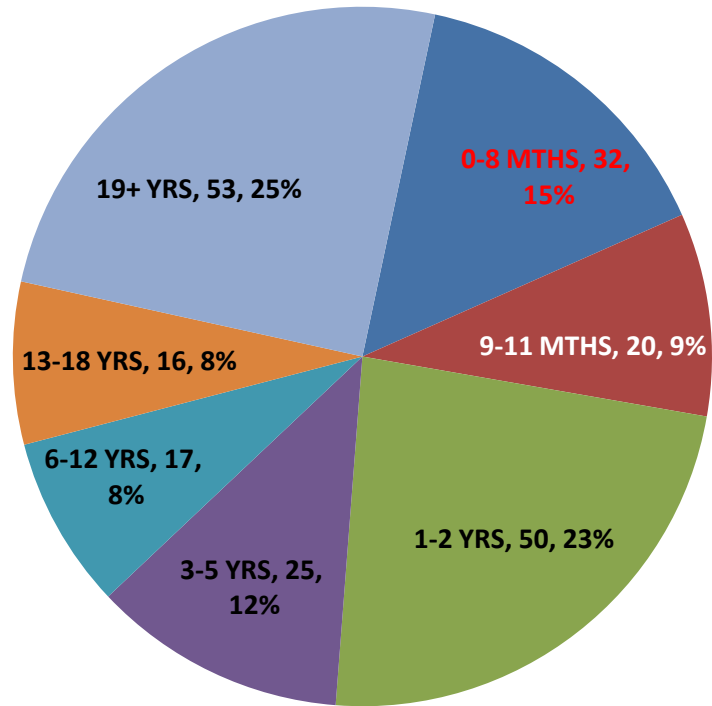
* excluding EPI linked.

EMRO definition of complete investigation = DISTRICT + age + SEX + DRASH + VACCINFO (1 or 2) + DLM + MEASLES1 (1 or 2 or 3) if spec collected.

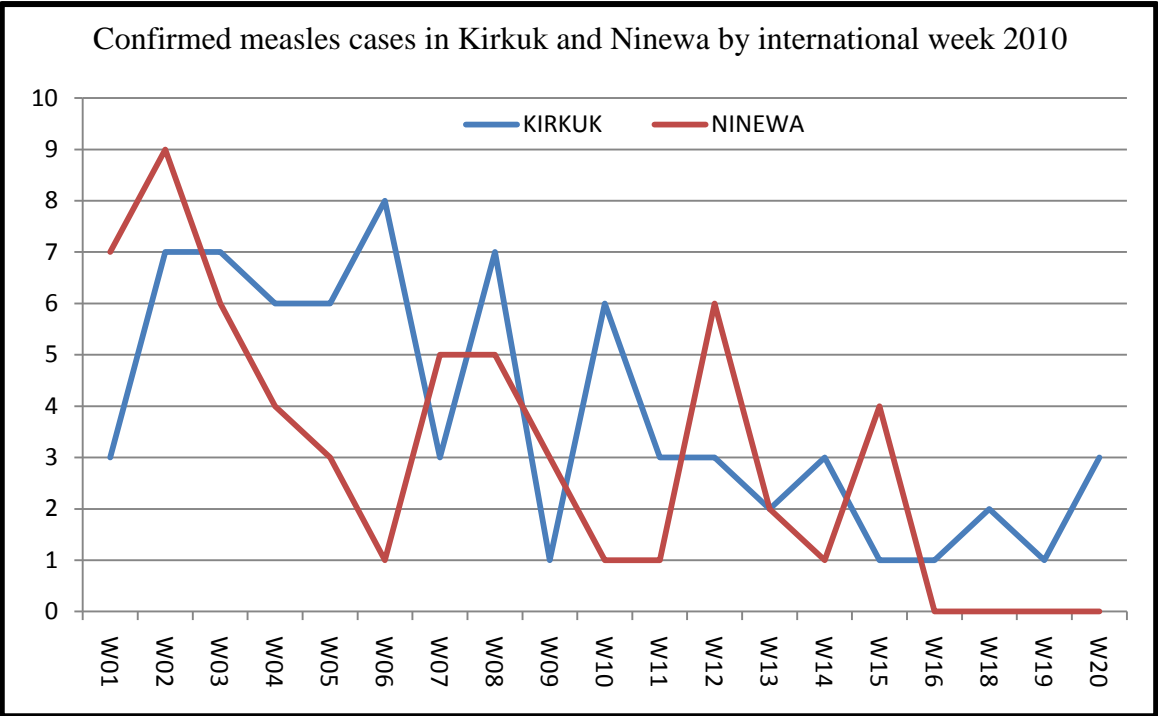
Red shading measles outbreak, there is a need for urgent steps to improve routine measles coverage. **Yellow Shading** Indicator not met.

Wassit; Salahaddin; Erbil; Baghdad Resafa; have clear week measles surveillance **indicators**

Confirmed Measles cases by age group, first 20 weeks, 2010



It is quite clear that around 15% of measles cases are still occurring among infants mostly below the age of vaccination, 35% of cases are occurring among 1-5 year old children which points to several weaknesses in routine and SIAs. 25% of measles cases in 2010 are among those above 19 year old young adults (clear shifting toward older age groups), more effort is needed to target university students, military recruits and those leaving school.



Measles out breaks in Kirkuk and Ninewa seems to be going down, serious effort to stop the last chains of transmission is needed from the 2 DoHs, however, neighboring DoHs, such as Erbil, Duhok and Sulymania should be on the alert.