

MDSC Meningitis Weekly Bulletin

Bulletin Hebdomadaire de retro-information sur la méningite cérébrospinale
Weekly feedback bulletin on cerebrospinal meningitis

Semaine / Week 14 2009

I. SITUATION EPIDÉMIOLOGIQUE DE LA SEMAINE 14 (30 mars au 05 avril 2009) 2009 EPIDEMIOLOGICAL SITUATION OF WEEK 14 (30 March to 5 April 2009) 2009

**Tableau/ Table 1 : Situation épidémiologique de la semaine 14 (30 mars au 05 avril 2009) 2009 /
Epidemiological Situation week 14 (30 March to 5 April 2009) 2009**

Pays	Cas	Décès	Létalité (%)	District en Alerte	District en Epidémie	Complét. (%)	NmA	NmW135	Autres Nm	Pneum	Hib
Country	Case	Death	Letality	District in Alert	District in Epidemic	Completeness (%)	NmA	NmW135	Other Nm	Pneum	Hib
Benin	4	0	0	0	0	98.7	-	-	-	-	-
Burkina Faso	222	16	7.2	3	1	100.0	-	-	-	-	-
Cameroun	-	-	-	-	-	-	-	-	-	-	-
Centrafrique	-	-	-	-	-	-	-	-	-	-	-
Côte d'Ivoire	6	1	16.7	0	0	63.4	-	-	-	-	-
Ethiopie	-	-	-	-	-	-	-	-	-	-	-
Ghana	-	-	-	-	-	-	-	-	-	-	-
Guinée	-	-	-	-	-	-	-	-	-	-	-
Mali	10	1	10	0	0	100.0	-	-	-	-	-
Niger	1 138	50	4.4	13	9	100.0	70	2	0	2	1
Nigeria	5 545	186	3.4	34	71	70.8	-	-	-	-	-
RD Congo**	-	-	-	-	-	-	-	-	-	-	-
Tchad	-	-	-	-	-	-	-	-	-	-	-
Togo	14	1	7.1	0	0	100.0	-	-	-	-	-
Total	6 939	255	3.7	50	81	60.9	70	2	0	2	1

* Identification par / identification by: PCR, LATEX, CULTURE

** Définition des seuils d'alerte/épidémique non applicable à ce pays situé en dehors de la ceinture de la méningite

Definition of alert/epidemic thresholds not applicable to this country outside the meningitis belt

Commentaires:

Burkina Faso :

- District en épidémie: Titao
- District en alerte : Koungoussi, Séguénéga et Ziniaré.

Niger :

- District en épidémie:N'Guigmi, Boboïye, Madarounfa, Dosso, Bouza, Magaria, Mirriah, Tanout, et Zinder
- District en alerte: Agadez, Dogon-Doutchi, Gaya, Loga, Aguié, Tessaoua, Niamey I, Niamey II, Tahout, Filingue, Kollo, Goure et Matameye.

Nigeria : 71 LGAs en épidémie et 34 LGAs en alerte
(Voir les détails à la page 3 et 4).

Comments:

Burkina Faso:

- District in epidemic : Titao
- District in alert: Koungoussi, Séguénéga and Ziniaré.

Niger:

- District in epidemic : N'Guigmi, Boboïye, Madarounfa, Dosso, Bouza, Magaria, Mirriah, Tanout, and Zinder
- District in alert: Agadez, Dogon-Doutchi, Gaya, Loga, Aguié, Tessaoua, Niamey I, Niamey II, Tahout, Filingue, Kollo, Goure and Matameye

Nigeria: 71 LGAs in epidemic and 34 LGAs in alert
(See details on page 3 and 4)

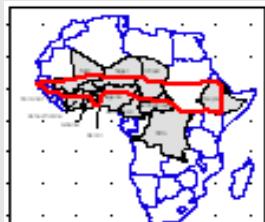
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The data published in this bulletin are weekly informations. They are susceptible to change after completeness and verification.

Pays sous Surveillance
Renforcée de la Méningite
dans la Région Africaine de
l'OMS

Countries under Enhanced
Surveillance of Meningitis in the
WHO African Region



II. SYNTHESE DE LA SITUATION EPIDEMIOLOGIQUE 2009 (SEMAINES NOTIFIEES 01 – 14) SYNTHESIS OF THE EPIDEMIOLOGICAL SITUATION 2009 (REPORTED WEEKS 1 – 14)

Tableau/ Table 2: Synthèse de la situation épidémiologique (**semaines notifiées**)/
*Synthesis of the epidemiological situation (**reported weeks**)*

Pays <i>Country</i>	Cas <i>Case</i>	Décès <i>Death</i>	Létalité (%) <i>Letality (%)</i>	District en Alert <i>District in Alert</i>	District en Epidémie <i>District in Epidemic</i>	Semaines notifiées <i>Reported weeks</i>	En districts (%) <i>In districts (%)</i>	En semaines (%) <i>In weeks (%)</i>
Benin	178	24	13.5	1	0	01-14	98.7	99.9
Burkina Faso	2 982	389	13.0	10	3	01-14	100.0	100.0
Cameroun	-	-	-	-	-	-	-	-
Centrafrique	41	17	41.5	2	0	01-11	100.0	100.0
Côte d'Ivoire	161	32	19.9	0	0	01-14	84.5	100.0
Ethiopie	32	6	18.8	0	0	01-07	-	-
Ghana	119	20	16.8	0	0	01-10	-	-
Guinée	-	-	-	-	-	-	-	-
Mali	164	14	8.5	0	0	01-14	100.0	100.0
Niger	8 292	327	3.9	10	20	01-14	100.0	100.0
Nigeria	35 255	1 701	4.8	43	157	01-14	70.8	99.9
RD Congo**	1 091	128	11.7	20	2	01-12	19.6	68.3
Tchad	728	88	12.1	5	2	01-13	100.0	98.2
Togo	166	21	12.7	1	0	01-14	100.0	99.4
Total	49 209	2 767	5.6	92	184	01-14	69.0	98.1

** Définition des seuils d'alerte/épidémique non applicable à ce pays situé en dehors de la ceinture de la méningite
Definition of Alert/epidemic thresholds not applicable to this country outside the meningitis belt

Commentaires:

Habituellement le pic de la courbe épidémique est observé entre les 13^{ème} et 15^{ème} semaines épidémiologiques dans les pays de la ceinture africaine de la méningite. Ainsi on note cette semaine au Niger et au Nigeria un léger fléchissement du nombre de cas et de districts ou LGAs en épidémie. S'agit-il de l'amorce de la fin de l'épidémie dans ces pays ?

Comments:

Usually the peak of the epidemic curve is observed between the 13th and 15th epidemiologic weeks in the countries of the African meningitis belt. Hence, this week, in Niger and Nigeria, a slight decrease in the number of cases and districts/LGAs in epidemic threshold is observed. Is this the start of the end of this epidemic in these countries?

**Tableau/ Table 3: Pathogènes identifiés par PCR, Latex, Culture (semaines notifiées 2009)/
Pathogens identified by PCR, Latex, Culture (reported weeks 2009)**

Pays <i>Country</i>	Nombre LCR <i>Number LCR</i>	LCR contam <i>LCR contam</i>	LCR negatif <i>LCR negativ</i>	NmA <i>NmA</i>	NmW135 <i>NmW135</i>	Autres Nm <i>Other Nm</i>	S.Pneum <i>S.Pneum</i>	Hib <i>Hib</i>	Autres Patho <i>Other Patho</i>
Benin	110	0	48	0	2	0	45	0	15
Burkina Faso	275	5	151	36	3	0	78	0	2
Cameroun	-	-	-	-	-	-	-	-	-
Centrafrique	-	-	-	-	-	-	-	-	-
Côte d'Ivoire	21	0	18	0	0	0	2	1	0
Ethiopie	-	-	-	-	-	-	-	-	-
Ghana	11	0	0	1	1	0	8	1	0
Mali	-	-	-	-	-	-	-	-	-
Niger	2 284	0	1 175	850	3	2	55	7	29
Nigeria	105	0	42	53	7	0	2	0	1
RD Congo	-	-	-	-	-	-	-	-	-
Tchad	-	-	-	-	-	-	-	-	-
Togo	-	-	-	-	-	-	-	-	-
Total	2 806	5	1 434	940	16	2	190	9	47

Pathogen Identification par /Pathogen identification by: PCR, LATEX, CULTURE

Commentaires:

Au Burkina Faso cette année, le *S.pneumonia* représente 65.5% des germes identifiés dans les échantillons de LCR, contre 30% pour le *NmA*. Il faut noter que ce pays connaît en 2009 une situation épidémiologique relativement calme par rapport à 2008.

Comments:

In Burkina Faso this year, *S.pneumonia* represented 65.5 % of identified germs in the CSF specimen against 30 % for *NmA*. Note that the epidemiologic situation in Burkina was relatively calm compared to 2008.

Situation Épidémiologique de la méningite du Nigeria 2009/ (1/2)
Meningitis epidemiological situation 2009

SN	State	LGA	Population	Wk 01														
				Attack Rate														
1	Adamawa	Gombi	159,541											1.25			5.64	2.51
2	Adamawa	Guyuk	193,705											6.19	6.19	17.55	23.75	9.81
3	Adamawa	Lamurde	122,904							4.07	4.88	20.34	5.70	8.95	1.63	1.63		
4	Adamawa	Madagali	146,900	0.68	0.68					10.21	2.72	6.13				2.72	7.49	
5	Adamawa	Maiha	121,174														1.65	11.55
6	Adamawa	Mayo Belwa	166,841													3.60	7.19	8.99
7	Adamawa	Michika	169,209	0.59	1.18	2.95	1.77	6.50		4.14	4.73	12.41	2.95	6.50	6.50	4.14	1.77	
8	Adamawa	Numan	98,847									1.01	1.01	1.01	8.09	8.09	5.06	
9	Adamawa	Shelleng	162,418							1.23	5.54	7.39	42.48	33.86	25.24	25.86		
10	Adamawa	Song	209,953								1.91	4.29	4.76	12.86	3.33	8.57	7.14	
11	Adamawa	Yola North	216,000	0.46							0.46				4.17	5.56	7.87	
12	Adamawa	Yola South	212,034								0.94	0.47	0.47	1.41			8.49	
13	Buchi	Alkaleri	364,181									6.32	5.77	0.82	0.82	14.83	12.08	
14	Buchi	Buchi	545,911		0.37		0.55	0.18	0.18	7.69	6.59	3.85	7.33	7.14	10.07	20.33		
15	Buchi	Bogoro	93,100							2.15	8.59	17.19	65.52	22.56	37.59	3.22		
16	Buchi	Damban	166,845	1.20	2.40	4.20	9.59	7.19	17.98	28.77	49.75	23.37	50.95	23.37	25.77	23.97	22.78	
17	Buchi	Darazo	278,142					0.36	0.36	8.99	3.60	6.83	12.58	10.07	20.13	26.61	20.85	
18	Buchi	Dass	99,433						1.01				4.02	13.07	1.01	7.04	5.03	
19	Buchi	Gamawa	316,604					0.95	0.63	2.53	3.47	4.11	4.42	8.84	7.90	3.47	4.74	
20	Buchi	Ganjuwa	310,059		0.32					1.94		11.61	13.22	50.64	45.15	56.12		
21	Buchi	Giade	173,530	0.58						1.15	19.59	7.49	24.20	40.92	38.03	78.95	76.07	
22	Buchi	Itas-Gadau	254,262			2.75	1.57			1.97	11.41	17.30	6.69	46.41	22.02	31.46	76.30	
23	Buchi	Jama'Are	130,321							6.91	15.35	16.88	17.65	33.76	65.99	45.27	216.39	
24	Buchi	Katagum	327,197						4.89	6.11	22.62	12.23	24.45	38.51	33.92	50.73	41.57	
25	Buchi	Kirfi	163,193					1.23						1.23	5.51	5.51	6.74	
26	Buchi	Misau	291,287					1.37		2.06	3.78	3.43	4.12	4.12	17.51	27.46		
27	Buchi	Ningi	428,044	1.64							0.93	4.91	6.07	5.84	19.86	10.51		
28	Buchi	Shira	258,704					1.55		6.57	9.28	8.89	15.08	14.30	15.46	17.39	14.69	
29	Buchi	T'Balewa	243,198										4.93	6.99	3.29	3.70	5.35	
30	Buchi	Toro	387,374							3.10	1.29	0.52	2.84	4.90	2.32	8.78		
31	Buchi	Warji	126,824						5.52	3.94			3.94	14.98	9.46	16.56	8.67	
32	Buchi	Zaki	211,657				0.94	3.31		5.20	3.31	7.09	20.32	4.72	8.98	4.25		
33	Borno	AUba	152,661							1.31	1.97		5.90	1.97	7.86			
34	Borno	Bayo	87,311	5.73	5.73	16.03	8.02	10.31	18.33	18.33	35.51		37.80	93.92	64.14			
35	Borno	Biu	194,649			1.54	1.03	3.60	4.11	8.22	13.36	8.22	8.73	7.71	17.47			
36	Borno	Hawul	133,008							3.01	9.02	3.01	2.26		1.50	3.76		
37	Borno	Jere	233,488								1.28		2.14		2.14	17.13		
38	Borno	Kaga	99,512								2.01		2.01	4.02	5.02			
39	Borno	Kw' Kusar	62,461							1.60	17.61	14.41	97.66	67.24	35.22	24.01		
40	Borno	Shani	113,112					13.26	18.57	3.54	7.96		0.88		6.19	1.77		
41	Borno	Damboa	256,006										0.78	5.47	6.64	8.20		
42	Gombe	Akko	371,336							1.62	4.58	7.81	16.43	16.70	16.97	31.51	16.97	
43	Gombe	Balanga	233,614							4.28	4.28	23.54	3.85	21.83	65.92	47.94	29.11	
44	Gombe	Billiri	222,177							3.60	9.90	9.90	13.05	9.00	11.25	4.50		
45	Gombe	Dukku	227,724	0.88				2.63	2.20	23.27	16.25	13.61	45.23	24.59	38.20	21.08		
46	Gombe	Funakaye	259,484	0.39	2.31	5.40	16.57	12.72	25.05	46.25	48.56	38.54	40.08	50.48	40.46			
47	Gombe	Gombe	294,560	1.02	0.68	0.68	0.34	4.75	5.77	15.62	20.37	25.80	26.82	33.95	55.34	39.38		
48	Gombe	Kaltungo	164,651	1.21				1.82	3.64	15.79	31.58	45.55	52.84	63.77	44.94	27.33		
49	Gombe	Kwami	214,653						0.93	3.26	3.73	2.33	9.78	22.83	20.03	20.96		
50	Gombe	Nafada	151,880				4.61	5.27	9.22	5.93	13.83	12.51	23.04	15.14	31.60	33.58		
51	Gombe	Shongom	166,536		0.60	0.60		1.20	5.40	9.61	1.20	6.61	9.01	3.60	1.20			
52	Gombe	Yamaltu Deba	280,544					0.71	4.63	12.12	37.78	44.56	50.62	75.21	83.77	95.89		
53	Jigawa	Auyo	143,821					6.26	2.09	10.43	0.70	20.86	9.04	8.34	32.68	14.60		
54	Jigawa	Babura	226,736	0.88	1.32		8.82	2.65	4.41	3.09	3.53	8.82						
55	Jigawa	Birnin-Kudu	341,435	0.29	1.76	2.05	2.64	3.22	7.32	10.54	27.53	41.30				55.35		
56	Jigawa	Birniwa	155,074						3.22	0.64	7.09		35.47	0.64	15.48	36.11		
57	Jigawa	Buji	106,090					4.71	4.71	4.71	4.71	9.43	18.85	23.56	34.88	229.05		
58	Jigawa	Dutse	268,184	1.12	0.37	0.75	0.75	1.49	2.24		8.95	2.98	14.92	14.92	22.37	28.71		
59	Jigawa	Gagarawa	87,593			12.56			29.54		43.38		15.98	63.93	67.36			
60	Jigawa	Garki	165,865					0.60		3.62		0.60	17.48		28.94	47.63		
61	Jigawa	Gumel	116,757				1.71	6.85	22.27		47.96		20.56		54.81			
62	Jigawa	Guri	125,318					0.80				7.18	9.58	11.97	35.91			
63	Jigawa	Gwaram	296,991						0.67		4.71	9.09	11.45	23.57	23.57			
64	Jigawa	Gwiwa	135,667						1.74	31.28		18.25	36.49	20.85	28.67	32.15		
65	Jigawa	Hadejia	115,087		0.87	1.74		1.74	31.28									
66	Jigawa	Jahun	249,609			1.60			2.40		18.03	15.22	4.81	7.21		47.67		

Situation Épidémiologique de la méningite du Nigeria 2009/ (2/2)
Meningitis epidemiological situation 2009

SN	State	LGA	Population	Wk 01 Attack Rate	Wk 02 Attack Rate	Wk 03 Attack Rate	Wk 04 Attack Rate	Wk 05 Attack Rate	Wk 06 Attack Rate	Wk 07 Attack Rate	Wk 08 Attack Rate	Wk 09 Attack Rate	Wk 10 Attack Rate	Wk 11 Attack Rate	Wk 12 Attack Rate	Wk 13 Attack Rate	Wk 14 Attack Rate	
67	Jigawa	Kafin Hausa	295,331	1.69	1.69		9.14	43.34	40.29	62.84	3.39	2.37	4.40	28.16				
68	Jigawa	Kaugama	139,414				0.72	4.30	10.76	17.93	5.74	45.19	43.04	13.63	41.00	98.12		
69	Jigawa	Kazaure	175,955			1.70	1.70	6.25	6.25	8.52	10.80	8.52		19.99	5.68			
70	Jigawa	Kiri-Kasamma	208,673				0.48		0.96	6.71	6.71	9.58	7.67	3.35				
71	Jigawa	Kiyawa	188,397	1.59	0.53	1.06	1.06	5.31	13.27	11.15	14.33	28.13	28.13	35.56	3.72	44.59	9.02	
72	Jigawa	Maigatari	195,808	0.51	0.51	4.60	5.62	2.04	10.21	4.03	6.13	8.17	7.15		4.60	7.66		
73	Jigawa	Malam-Maduri	175,867				1.14	1.71	11.94	11.94	17.08	14.76	12.51	14.78	42.08			
74	Jigawa	Miga	139,924		1.43		16.44	8.58	8.58	7.86	18.58	37.16	36.45	62.18		22.87		
75	Jigawa	Ringim	209,219				0.96	0.48	7.65	16.73	20.69	31.95	38.24	22.94				
76	Jigawa	Roni	84,787					7.08		16.51	16.51	17.98		83.74				
77	Jigawa	Sule-Tankarkar	142,566				13.33	7.72	14.73			47.00		30.66	20.34			
78	Jigawa	Taura	143,555				2.09	27.86			56.18	0.70	160.17					
79	Jigawa	Yankwashi	104,334						10.54	4.79	4.79			7.67	6.71			
80	Kaduna	Igabi	470,123						3.83	1.49	0.64	3.83	10.42	13.40				
81	Kaduna	Ikara	211,908		3.30	8.97	8.49	6.13	5.19	15.57	11.89	6.61	4.72	3.30		4.25		
82	Kaduna	Lere	361,889						0.28	2.78		5.25	3.59	7.46	9.95			
83	Kaduna	Makarfi	159,821						22.53	1.88	6.26	13.14	8.76	16.69	8.13			
84	Kano	Ajinci	191,952				1.04	0.52	3.13	6.77	5.21	7.81	8.34		19.28			
85	Kano	Albasu	209,606					0.48	2.68	0.48	3.62	6.20	9.34	20.09				
86	Kano	Bagwai	179,507	5.01	3.34	4.46	5.57	8.36	11.14	16.16	31.75	22.29	12.81	25.83	18.71	10.03	6.13	
87	Kano	Bebeji	208,180		4.32	0.96	5.28	2.40	3.36	1.92	4.80	8.17	13.93	8.65	5.78	14.89		
88	Kano	Bichi	305,447		0.33	3.93	2.62	9.82	21.61	10.80	10.15	22.26		49.76	61.55			
89	Kano	Bunkure	188,374						2.12		0.53	1.59	7.43	15.39				
90	Kano	Dikudu	248,447					2.82	5.28		6.44	6.44	2.01	4.03		25.38		
91	Kano	DiTofa	273,233						0.73	1.83	5.86	0.37	0.37	19.03				
92	Kano	Dambatta	229,244					1.74	2.18	11.73	17.08	22.25	12.21		19.19	47.98		
93	Kano	Doguwa	166,647							1.80	2.40	2.40	19.20					
94	Kano	Fagge	219,169				3.19	0.91	0.91		3.19	4.56	5.93		31.03			
95	Kano	GhMallam	128,412					2.34			10.90		5.45	5.45	14.80	26.48		
96	Kano	Garko	179,124				1.12	3.35	2.79		1.12	4.47		12.28	16.75			
97	Kano	Gaya	221,581		3.16	0.45		1.81	5.42	0.90	1.81	0.45	4.06	0.90				
98	Kano	Gezawa	310,925			1.61	0.32	0.64	1.93	2.57	5.70	0.64	5.47	3.86				
99	Kano	Gwale	399,099					0.50		0.75	3.01	4.26	5.01	12.53				
100	Kano	Gwarzo	202,809		3.94		2.47	2.96	10.85	13.31	4.93	0.49	1.48		49.93			
101	Kano	Kabo	169,565				0.59		5.90	7.08	2.95	7.67	7.08	35.88	53.07	66.05		
102	Kano	Kano Mun.	402,919						0.99	0.25		5.21	1.99	2.48				
103	Kano	Karaye	155,873		1.28	1.28		7.70	14.11	7.06		12.19	18.60					
104	Kano	Kibiya	150,724						1.99	37.15	39.81	4.64		5.97				
105	Kano	Kiru	291,869	0.34	0.34	3.08	7.54	3.77	1.03	3.77		0.69	0.69					
106	Kano	Kumbotso	326,259						0.31	0.92	0.92	7.05	3.68	4.90	4.29	14.41		
107	Kano	Kunchi	122,375					0.82		7.35	7.35	17.16	10.62	8.17	0.82	2.45		
108	Kano	Kura	159,394		2.51					3.14	6.60	0.63		3.14		7.53		
109	Kano	Madobi	150,600	1.33			0.68	2.66	2.68	3.32		5.31	5.31	11.95	32.54	27.22		
110	Kano	Makoda	245,151							5.71	11.01	17.95	15.68		19.58			
111	Kano	Mirgin	235,666	0.85	0.85		1.70	0.85	9.34	13.18	5.94	3.39	5.94	19.09				
112	Kano	Nassarawa	657,710				0.15				6.08	2.99	6.54	2.13	1.22			
113	Kano	Rimin Gado	115,510					3.46	3.46	2.60	0.87	4.33	1.73	38.09	2.60			
114	Kano	Shanono	154,992					2.58	0.65	5.61	0.65	4.52	25.16	7.74				
115	Kano	T/Wada	255,450					0.78	3.91	3.13	6.65	9.00	12.14	16.83				
116	Kano	Takai	223,404		0.45	0.45								7.16	6.50			
117	Kano	Tarauni	244,013						0.82	2.87	3.28	2.46	1.64	1.64		13.52		
118	Kano	Tofa	107,732	7.43	7.43	5.57	3.71	12.07	31.56	21.35	27.85	7.43	21.35	21.35	3.71	43.63		
119	Kano	Tsanyawa	173,811			2.30		1.15	2.30	13.23	9.78	6.90			10.36	7.48		
120	Kano	Ungogo	407,474						0.25	0.49	0.74	2.21	3.19	7.61	2.45	5.89		
121	Kano	Warawa	141,962						0.70	4.93	9.16	1.41	3.52	0.70				
122	Kano	Wudil	204,134			0.49	0.49	2.94	6.37	6.37	3.43	7.35		20.08				
123	Katsina	Bakori	163,222					3.06	3.06	1.23	30.63		53.91	23.09	30.63			
124	Katsina	Batagarawa	201,690	0.50		0.50	0.99	1.98	11.40	18.84	33.80	19.83	13.39					
125	Katsina	Batsari	228,356			6.13	2.19	3.07	31.58	8.76	7.44	8.13	17.05	16.20				
126	Katsina	Baire	215,732						2.78	6.49		0.46	8.81	11.12				
127	Katsina	Bindawa	166,484			1.80		9.61	51.86	25.63	26.43	39.04	52.86	26.43	26.43			
128	Katsina	Dandume	159,253						1.26		4.40	9.42	11.30	3.77	21.35	69.07		
129	Katsina	Denja	137,359						10.92	13.10	26.21	64.70	68.43	90.27	129.59	95.37	67.36	11.65
130	Katsina	Dennusa	124,233	3.22					8.05	16.10	2.41	1.61	8.85	11.27	19.32	20.93	4.02	25.78
131	Katsina	Daura	240,095						2.08	0.83	2.08	2.92	1.67	9.58	3.75	5.41	7.50	
132	Katsina	Dutsi	131,152		1.52	1.52				0.76	9.91	9.15		2.29				

SN	State	LGA	Population	Wk 01 Attack Rate	Wk 02 Attack Rate	Wk 03 Attack Rate	Wk 04 Attack Rate	Wk 05 Attack Rate	Wk 06 Attack Rate	Wk 07 Attack Rate	Wk 08 Attack Rate	Wk 09 Attack Rate	Wk 10 Attack Rate	Wk 11 Attack Rate	Wk 12 Attack Rate	Wk 13 Attack Rate	Wk 14 Attack Rate	
133	Katsina	Dutsinma	185,404								1.08	1.08	3.24	4.85	16.72	31.28	11.81	
134	Katsina	Faskari	214,213								1.87	3.73	0.93	4.20	12.14	10.74	17.74	
135	Katsina	Funtua	249,488									2.84		8.09	1.22	11.77		
136	Katsina	Ingawa	185,494										11.89	16.17	23.18	19.41	10.24	28.03
137	Katsina	Jibya	185,488										14.56	5.93	17.79		1.08	5.93
138	Katsina	Kafur	221,897										0.45	5.88	7.22	4.96	0.45	38.99
139	Katsina</																	

III. REPRESENTATION GRAPHIQUE DES DONNEES/ GRAPHICAL REPRESENTATION OF DATA

Figure 1: Cartographie des taux d'attaque de la Méningite par district par pays de la semaine 14, 2009
Map of meningitis attack rates by district by country at week 14, 2009

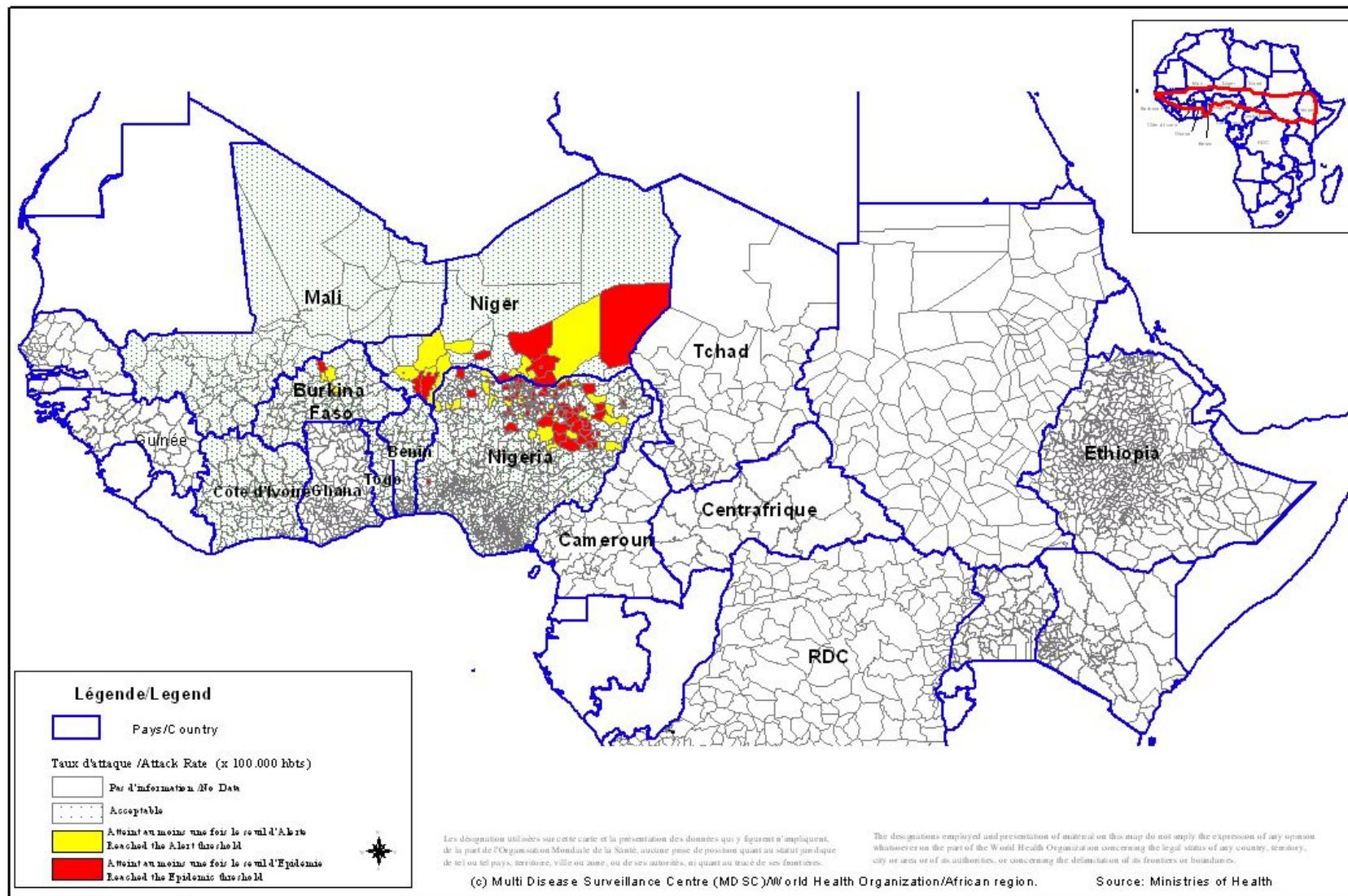


Figure 2 : Cartographie récapitulative des taux d'attaque cumulés de la Méningite, Semaine 01 – 14, 2009

(Représentation basée sur les taux d'attaque hebdomadaires les plus élevés par district au cours de l'année)

Recapitulative map of cumulative Meningitis attack rates at week 1 - 14, 2009

(Mapping based on weekly highest attack rates by district during the year)

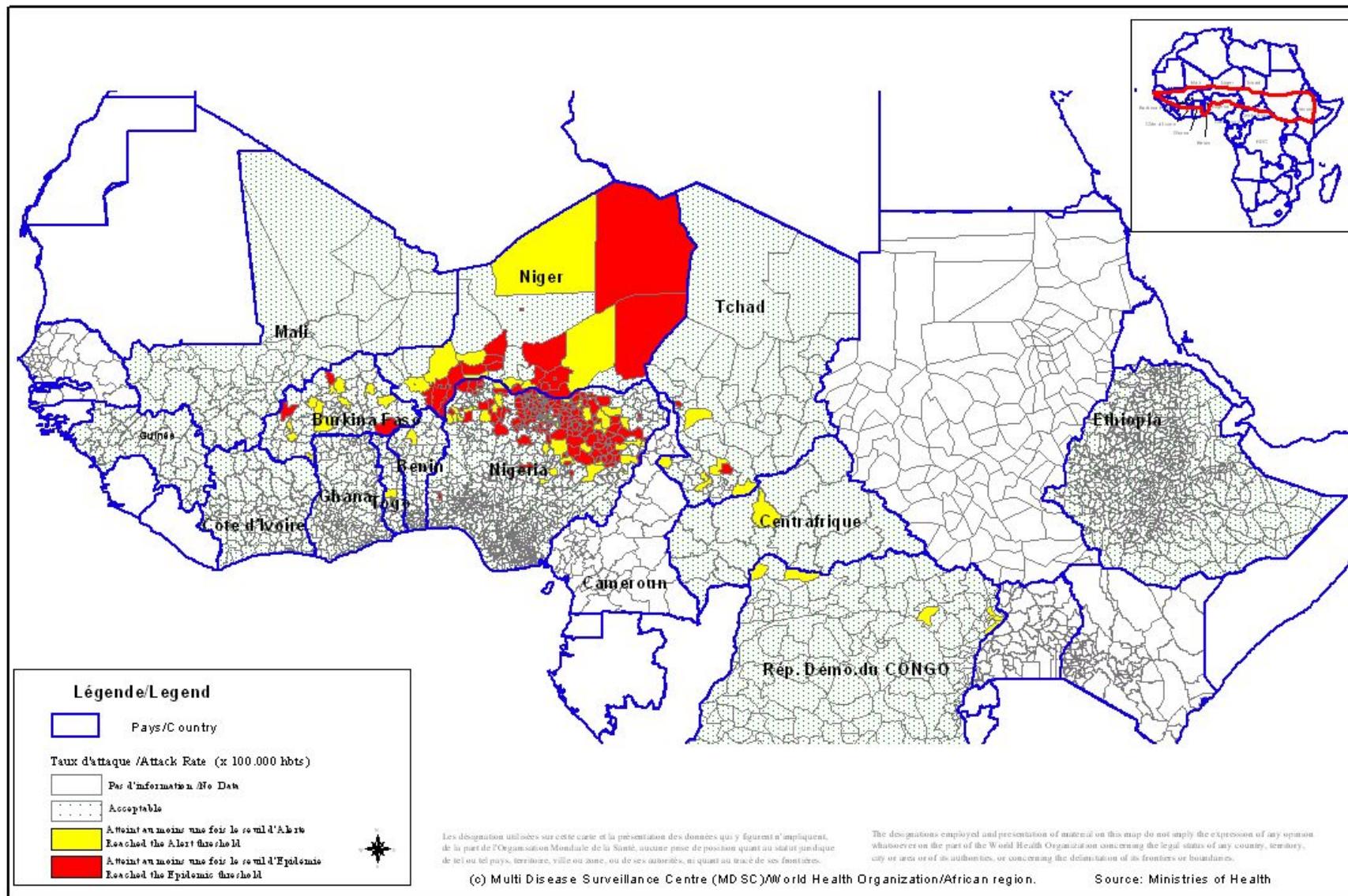


Figure 3. Taux d'attaque cumulés de la Méningite du Nigeria, Semaine 1 – 14, 2009
Cumulative Meningitis attack rates of Nigeria at week 1 - 14, 2009

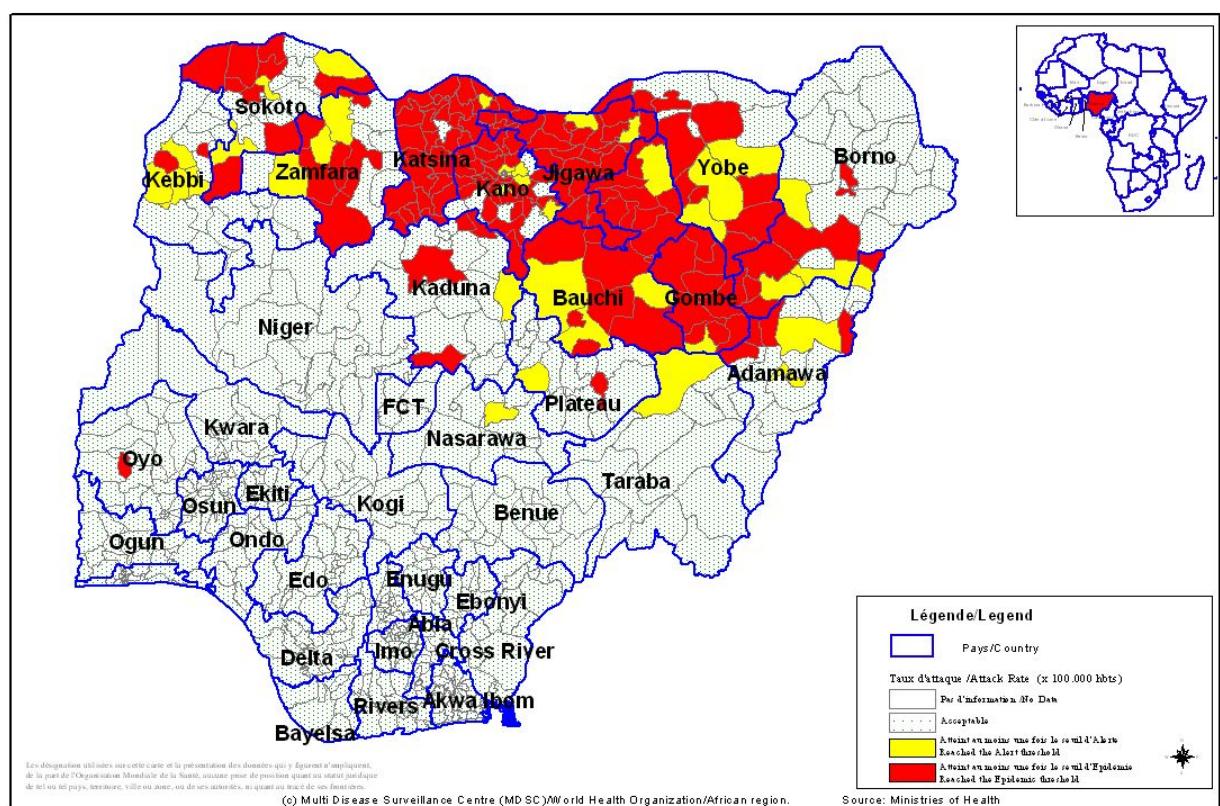
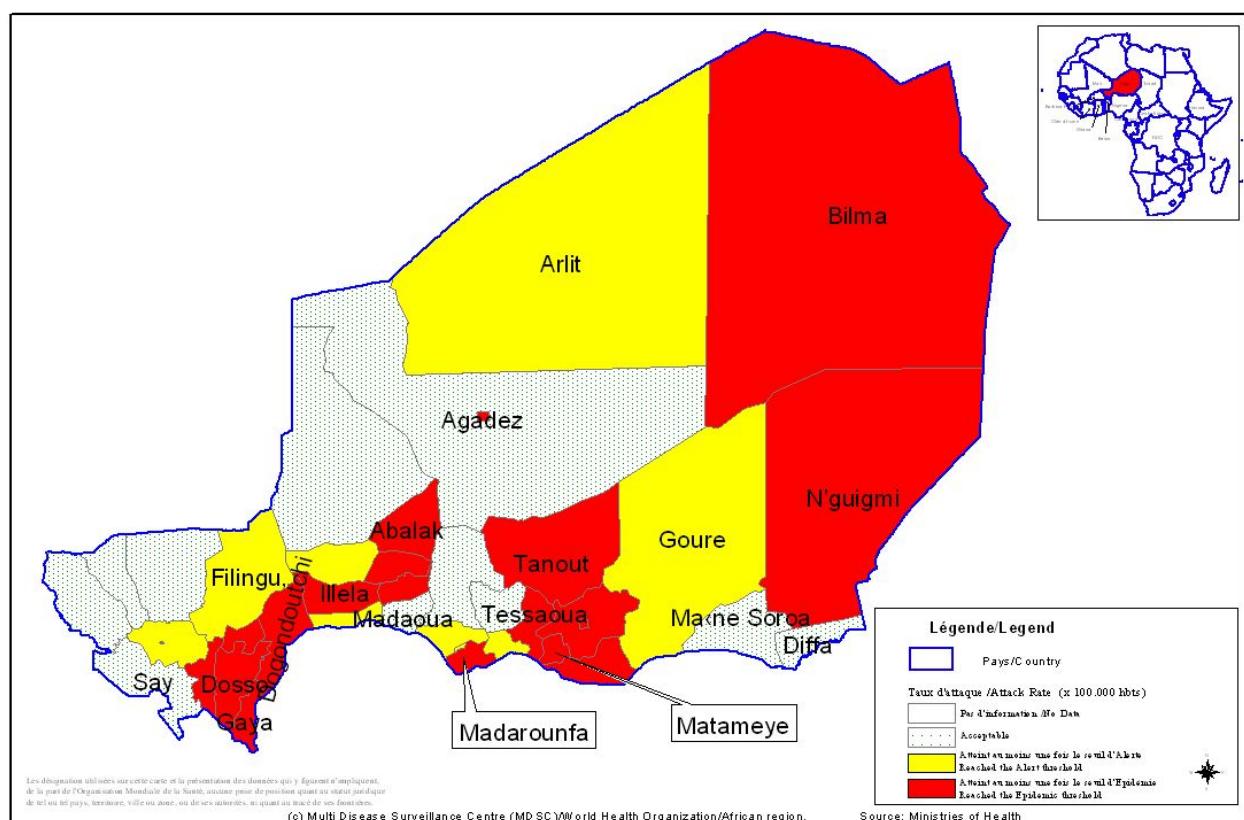


Figure 4. Taux d'attaque cumulés de la Méningite du Niger, Semaine 1 – 14, 2009
Cumulative Meningitis attack rates of Niger at week 1 - 14, 2009



**IV. Courbes de tendance sur les deux dernières années/
Epidemiological trends during two consecutive years**

**Figure 3 : Evolution hebdomadaire comparative par pays des années 2008 et 2009/
(Uniquement les pays ayant transmis des données pour la semaine en cours)**
Comparative weekly evolution by country, years 2008-2009
(Only countries which transmitted data during the current week)

