

MDSC Meningitis Weekly Bulletin

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

Semaine / Week 15 2009

I. SITUATION EPIDÉMIologIQUE DE LA SEMAINE 15 (06 au 12 avril 2009) 2009 EPIDEMIOLOGICAL SITUATION OF WEEK 15 (6 to 12 April 2009) 2009

**Tableau/ Table 1 : Situation épidémiologique de la semaine 15 (06 au 12 avril 2009) 2009 /
Epidemiological Situation week 15 (6 to 12 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	0	98.7	0	1	0	0	0
Burkina Faso	199	24	12.1	2	1	100.0	-	-	-	-	-
Cameroun	-	-	-	-	-	-	-	-	-	-	-
Centrafrique	6	2	33.3	0	1	4.2	-	-	-	-	-
Côte d'Ivoire	7	2	28.6	0	0	64.8	0	0	0	0	0
Ethiopie	-	-	-	-	-	-	-	-	-	-	-
Ghana	-	-	-	-	-	-	-	-	-	-	-
Guinée	-	-	-	-	-	-	-	-	-	-	-
Mali	6	0	0.0	0	0	100.0	-	-	-	-	-
Niger	1 380	52	3.8	11	14	100.0	-	-	-	-	-
Nigeria	3 830	131	3.4	18	59	70.8	-	-	-	-	-
RD Congo**	-	-	-	-	-	-	-	-	-	-	-
Tchad	109	10	9.2	3	1	100.0	-	-	-	-	-
Togo	4	0	0.0	0	0	97.1	-	-	-	-	-
Total	5 545	221	4.0	34	76	58.6	0	1	0	0	0

* 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 : Barsalogo et Ziniaré.

Centrafrique : District du 1^{er} Arrondissement en épidémie.

Niger :

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

Nigeria : 59 LGAs en épidémie et 18 LGAs en alerte
(Voir les détails à la page 3 et 4).

Tchad :

- District en épidémie : N'Djaména Est
- District en alerte : Dourbali, Benoye et Goundi.

Comments:

Burkina Faso:

- District in epidemic : Titao
- District in alert: Barsalogo and Ziniaré.

Central Africa: District of 1er Arrondissement in epidemic phase.

Niger :

- District in epidemic : Dosso, Boboïye, Loga Madarounfa, Abalak , Bouza, Keita, Kollo, Goure, Magaria, Matameye, Mirriah, Tanout and Zinder
- District in alert: N'Guigmi, Dogon-Doutchi, Gaya, Aguié, Mayahi, Tessaoua, Niamey I, Birnin N'Konni, Tanout and Filingue.

Nigeria: 59 LGAs in epidemic and 18 LGAs in alert
(See details on page 3 and 4)

Chad:

- District in epidemic: N'Djaména Est
- District in alert: Dourbali, Benoye and Goundi.

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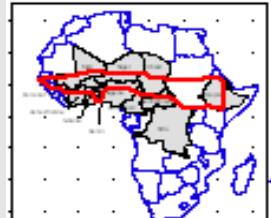
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The data published in this bulletin are weekly informations. They are susceptible to change after completeness and verification.

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 – 15) SYNTHESIS OF THE EPIDEMIOLOGICAL SITUATION 2009 (REPORTED WEEKS 1 – 15)

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	182	24	13.2	1	0	01-15	98.7	99.9
Burkina Faso	3 181	413	13.0	11	3	01-15	100.0	100.0
Cameroun	-	-	-	-	-	-	-	-
Centrafrique	218	38	17.4	2	1	01-15	73.3	93.6
Côte d'Ivoire	168	34	20.2	0	0	01-15	64.8	100.0
Ethiopie	32	6	18.8	0	0	01-07	-	-
Ghana	119	20	16.8	0	0	01-10	-	-
Guinée	-	-	-	-	-	-	-	-
Mali	170	14	8.2	0	0	01-15	100.0	100.0
Niger	10 049	403	4.0	10	21	01-15	100.0	100.0
Nigeria	39 841	1 886	4.7	41	162	01-15	70.8	99.9
RD Congo**	1 091	128	11.7	20	2	01-12	19.6	68.3
Tchad	1 023	114	11.1	5	3	01-15	100.0	98.4
Togo	170	21	12.4	1	0	01-15	100.0	99.2
Total	56 244	3 101	5.5	91	192	01-15	69.0	98.0

** 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: <i>Comments:</i>	Comments: <i>Comments:</i>
Au Nigeria la tendance à la baisse du nombre de cas se confirme 3830 cas la semaine 15 contre 5545 cas à la semaine 14, par contre au Niger on note une augmentation du nombre, 1380 cas à la semaine 15 contre 1138 cas la semaine 14. Cependant la létalité cumulée reste faible environ 4 à 5% au niveau de ces deux pays les plus touchés cette année.	<i>In Nigeria, the downward trend of the epidemic is maintained starting week 14 with 5545 cases against 3830 cases at week 15; However, in Niger the curve is on the rise with 1138 case at week 14 and 1380 at week 15.</i> <i>The overall case fatality rate is however low around 4 - 5% in these 2 countries, the most affected by the 2009 epidemic.</i>

**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	114	0	49	0	3	0	45	0	17
Burkina Faso	275	5	151	36	3	0	78	0	2
Cameroun	-	-	-	-	-	-	-	-	-
Centrafrique	-	-	-	-	-	-	-	-	-
Côte d'Ivoire	89	0	84	0	0	1	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	2 878	5	1 501	940	17	3	190	9	49

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

Commentaires: <i>Comments:</i>	Comments: <i>Comments:</i>
2878 LCRs ont pu bénéficier de résultat laboratoire sur 56 244 cas suspects notifiés à la semaine 15. Le Niger reste le grand pourvoyeur des résultats laboratoire soit près de 80%.	<i>2878 CSF samples have been taken out of 56 244 suspected cases reported as of week 15. Niger remains the country where most laboratory specimen is coming from i.e. 80 %.</i>

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	2.51	
2	Adamawa	Guyuk	193,705										6.19	6.19	17.55	23.75	9.81	6.71	
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	3.30	
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	3.55	
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	4.29	
11	Adamawa	Yola North	216,000	0.46							0.46				4.17	5.56	7.87	2.31	3.24
12	Adamawa	Yola South	212,034								0.94	0.47	0.47	1.41			8.49		
13	Bauchi	Alkaleri	364,181									6.32	5.77	0.82	0.82	14.83	12.08	3.30	
14	Bauchi	Bauchi	545,911		0.37		0.55	0.18	0.18	7.69	6.59	3.85	7.33	7.14	10.07	20.33	23.26		
15	Bauchi	Bogoro	93,100								2.15	8.59	17.19	65.52	22.56	37.59	3.22	4.30	
16	Bauchi	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	22.18	
17	Bauchi	Darazo	278,142					0.36	0.36	8.99	3.60	6.83	12.58	10.07	20.13	26.61	20.85	15.10	
18	Bauchi	Dass	99,433						1.01				4.02	13.07	1.01	7.04	5.03	5.03	
19	Bauchi	Gamawa	316,604					0.95	0.63	2.53	3.47	4.11	4.42	8.84	7.90	3.47	4.74	13.58	
20	Bauchi	Ganjuwa	310,059		0.32					1.94		11.61	13.22	50.64	45.15	56.12	21.93		
21	Bauchi	Giade	173,530	0.58						1.15	19.59	7.49	24.20	40.92	38.03	78.95	76.07	66.27	
22	Bauchi	Itas-Gadau	254,262			2.75	1.57		1.97	11.41	17.30	6.69	46.41	22.02	31.46	76.30	25.96		
23	Bauchi	Jama'Are	130,321						6.91	15.35	16.88	17.65	33.76	65.99	45.27	216.39	39.90		
24	Bauchi	Katagum	327,197					4.89	6.11	22.62	12.23	24.45	38.51	33.92	50.73	41.57	16.20		
25	Bauchi	Kirfi	163,193					1.23					1.23	5.51	5.51	6.74	41.06		
26	Bauchi	Misau	291,287						1.37		2.06	3.78	3.43	4.12	4.12	17.51	27.46	21.97	
27	Bauchi	Ningi	428,044	1.64							0.93	4.91	6.07	5.84	19.86	10.51	15.89		
28	Bauchi	Shira	258,704					1.55		6.57	9.28	8.89	15.08	14.30	15.46	17.39	14.69	10.44	
29	Bauchi	T/Balewa	243,198									4.93	6.99	3.29	3.70	5.35	6.99		
30	Bauchi	Toro	387,374								3.10	1.29	0.52	2.84	4.90	2.32	8.78	8.00	
31	Bauchi	Warji	126,824						5.52	3.94			3.94	14.98	9.46	16.56	8.67	6.31	
32	Bauchi	Zaki	211,657					0.94	3.31		5.20	3.31	7.09	20.32	4.72	8.98	4.25	10.39	
33	Borno	A/Uba	152,661								1.31	1.97		5.90	1.97	7.86	8.52		
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	49.25			
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	13.36	20.04		
36	Borno	Hawul	133,008							3.01	9.02	3.01	2.26		1.50	1.50			
37	Borno	Jere	233,488								1.28		2.14		2.14	7.28	14.99		
38	Borno	Kaga	99,512									2.01		2.01	4.02	5.02	10.05		
39	Borno	Kw! Kusar	62,461							1.60	17.61	14.41	97.66	67.24	35.22	24.01	9.61		
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	11.33	4.30		
42	Gombe	Akko	371,336						1.62	4.58	7.81	16.43	16.70	16.97	31.51	16.97	14.81		
43	Gombe	Balanga	233,614						4.28	4.28	23.54	3.85	21.83	65.92	47.94	29.11	25.26		
44	Gombe	Billiri	222,177							3.60	9.90	9.90	13.05	9.00	11.25	4.50	1.80		
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	16.25		
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	34.30		
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	21.86		
49	Gombe	Kwami	214,653						0.93	3.26	3.73	2.33	9.78	22.83	20.03	20.96	20.03		
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	14.49	
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	51.33	
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	Birniin-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	29.02
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	Gagaramawa	87,593			12.56			28.54		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		36.83	
62	Jigawa	Guri	125,318					0.80				7.18	9.58	11.97	35.91			81.39	
63	Jigawa	Gwaram	296,991						0.67			4.71	9.09	11.45	23.57	23.57		53.20	
64	Jigawa	Gwiwa	135,667									2.21	6.63	9.58		14.00		11.06	
65	Jigawa	Hadejia	115,087			0.87	1.74		1.74	31.28		18.25	36.49	20.85	28.67	32.15			
66	Jigawa	Jahun	249,609					1.60		2.40		18.03	15.22	4.81	7.21		47.67		18.03
67	Jigawa	Kafin Hausa	295,331	1.69	1.69			9.14	43.34	40.29	62.64	3.39		2.37	4.40	28.10			
68	Jigawa	Kaugama	139,414					0.72	4.30	10.76	17.93	5.74	45.19	43.04	13.63	41.60	96.12	28.69	

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	Wk 15 Attack Rate				
69	Jigawa	Kazaure	175,955			1.70	1.70	6.25	6.25		8.52	10.98	8.52		19.89	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	4.80	5.62	2.04	10.21	4.09	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	14.78	12.51	14.76	42.08		6.82					
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					0.98	0.48	7.65	16.73	28.68	31.55	38.24	22.94							
76	Jigawa	Roni	84,787						7.08		16.51	16.51	11.79		88.74		8.26					
77	Jigawa	Sule-Tankarkar	142,566					13.35	7.72	14.73			47.00		30.88	20.34						
78	Jigawa	Taura	143,555						2.09	27.88			66.18	0.70	90.17							
79	Jigawa	Yankwashi	104,334							10.54	4.79	4.79		7.67	6.71	24.93						
80	Kaduna	Igabi	470,123							3.83	1.49	0.64		3.83	10.42	13.40	12.34					
81	Kaduna	Ikara	211,908		3.30	8.97	8.49	6.13	5.19	15.57	11.80	6.61	4.72	3.30		4.25	4.72					
82	Kaduna	Lere	361,889							0.28	2.76		5.25	3.59	7.46	9.95	4.97					
83	Kaduna	Makarfi	159,821							22.53	1.88	6.26	13.14	8.78	16.89	8.13	5.63					
84	Kano	Ajinci	191,952						1.04	0.52	3.13	6.77	5.21	7.81	8.34		19.28	22.92				
85	Kano	Albasu	209,806							0.48	2.86	0.48		3.82	6.20	9.54	20.93	2.86				
86	Kano	Bagwai	179,507	5.01	3.34	4.46	5.57	8.36	11.14	16.16	31.75	22.28	12.81	25.63	16.71	10.03	6.13	5.01				
87	Kano	Beteij	208,180		4.32	0.96	5.28	2.40	3.36	1.92		4.80	8.17	13.93	8.65	5.76	14.89	28.78				
88	Kano	Bichi	305,447			0.33	3.93	2.82	9.82	21.61	10.80	10.15	22.28		49.76	81.55	60.88					
89	Kano	Bunkure	188,374							2.12		0.53	1.59	7.43	15.39							
90	Kano	Di'Kudu	248,447						2.82	5.23		6.44	6.44	2.01	4.03		25.36	32.20				
91	Kano	D/Tofa	273,233							0.73	1.83	5.86	0.37	0.37	19.03							
92	Kano	Dambatta	229,244						1.74	2.18	11.78	17.88	22.25	12.21		19.19	47.98	19.63				
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	4.58	5.93		31.03					
95	Kano	G/Mallam	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					1.81	0.32	0.64	1.93	2.57	5.79	0.64	5.47	3.86	5.47					
99	Kano	Gwale	399,099							0.50		0.75	3.01	4.26	5.01	12.53	1.25					
100	Kano	Gwarzo	202,809		3.94	2.47	2.96	10.65	13.31	4.93		0.49	1.48		40.93							
101	Kano	Kabo	169,565						0.59	5.90	7.08	2.95	7.67	7.08	35.38	53.67	66.05	27.73				
102	Kano	Kano Mun.	402,919							0.99	0.25		5.21	1.99	2.48		2.98					
103	Kano	Karaye	155,873		1.28	1.28			7.70	14.11	7.06		12.19	18.80								
104	Kano	Kibya	150,724							1.99	37.15	39.81	4.64		5.97		1.99					
105	Kano	Kiru	291,869	0.34	0.34	3.08	7.34	3.77	1.03	3.77			0.69	0.69			2.40					
106	Kano	Kumbotso	326,259						0.31	0.92	0.92	7.05	3.68	4.90	4.29	14.41	4.29					
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	6.90	0.63		3.14	7.53						
109	Kano	Madobi	150,600	1.33				0.66	2.66	2.66	3.32		5.31	5.31	11.95	32.54	27.22	99.94				
110	Kano	Makoda	245,151							5.71	11.01	17.95	15.08			19.83	5.80					
111	Kano	Minjibir	235,666	0.85	0.85			1.70	0.85		9.34	13.15	5.94	3.39	5.94	19.09						
112	Kano	Nassarawa	657,710					0.15				6.08	2.89	6.54	2.13	1.22	6.84					
113	Kano	Rano	160,318								1.87		3.74		63.62	52.40						
114	Kano	Rimin Gado	115,510					3.46	3.46	2.60	0.87		4.33	1.73	38.09	2.60	25.97					
115	Kano	Shanono	154,992						2.58	0.65	5.81	0.65		4.52	25.16	7.74						
116	Kano	Sumaila	279,611												3.58		6.44					
117	Kano	T/Wada	255,450						0.78	3.91	3.13	6.65	9.00	12.14	16.83		8.61					
118	Kano	Takai	223,484		0.45	0.45									7.16	8.50						
119	Kano	Tarauni	244,013							0.82	2.87	3.28	2.46	1.64	1.64	13.52	25.82					
120	Kano	Tofa	107,732	7.43	7.43	5.57	3.71	12.07	31.58	21.35	27.85	7.43	21.35	21.35	3.71	43.63	58.48					
121	Kano	Tsanyawa	173,811			2.30		1.15	2.30	13.23	9.78	6.90			10.35	7.48	6.33					
122	Kano	Ungogo	407,474							0.25	0.49	0.74	2.21	3.19	7.61	2.45	5.89	8.34				
123	Kano	Warawa	141,962							0.70	4.93	9.16	1.41	3.52	0.70	14.79	29.59	15.60				
124	Kano	Wudil	204,134		0.49	0.49	2.94	6.37	6.37		3.43	7.35		-20.08	28.41	11.78						
125	Katsina	Bekon	163,222			3.06	3.06	1.23	30.63					53.91	23.89	30.63						
126	Katsina	Batagarawa	201,690	0.50	0.50	0.99	1.98	11.40	18.84	23.80	19.83	13.39										
127	Katsina	Batsari	228,356					6.13	2.19	3.07	31.53	8.76	7.44	6.13	17.95	16.20						
128	Katsina	Baure	215,732								2.78	6.49		0.46	8.81	11.12						
129	Katsina	Bindawa	166,484					1.80		9.01	51.66	25.83	26.43	39.04	52.86	26.43						
130	Katsina	Dandume	159,253								1.26		4.40	9.42	11.30	3.77	21.35	69.07				
131	Katsina	Danja	137,359									10.92	13.10	26.21	64.79	68.43	90.27	129.59	95.37	87.36	11.65	74.26
132	Katsina	Dannusa	124,233	3.22							8.05	16.10	2.41	1.61	8.85	11.27	19.32	29.93	4.02	25.76		
133	Katsina	Daura	240,095					2.08		0.83	2.08		2.92	1.67	9.58	3.75	5.41	7.50				
134	Katsina	Dutsi	131,152		1.52							0.78	9.91	9.15		2.29	2.29					
135	Katsina	Dutsinma	185,404						1.08	1.08	3.24	4.85	16.72	31.28	11.87		21.04					
136	Katsina	Faskari	214,213							1.87	3.73	0.93	4.20	12.14	10.74	48.41	25.21					

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
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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 15, 2009
Map of meningitis attack rates by district by country at week 15, 2009

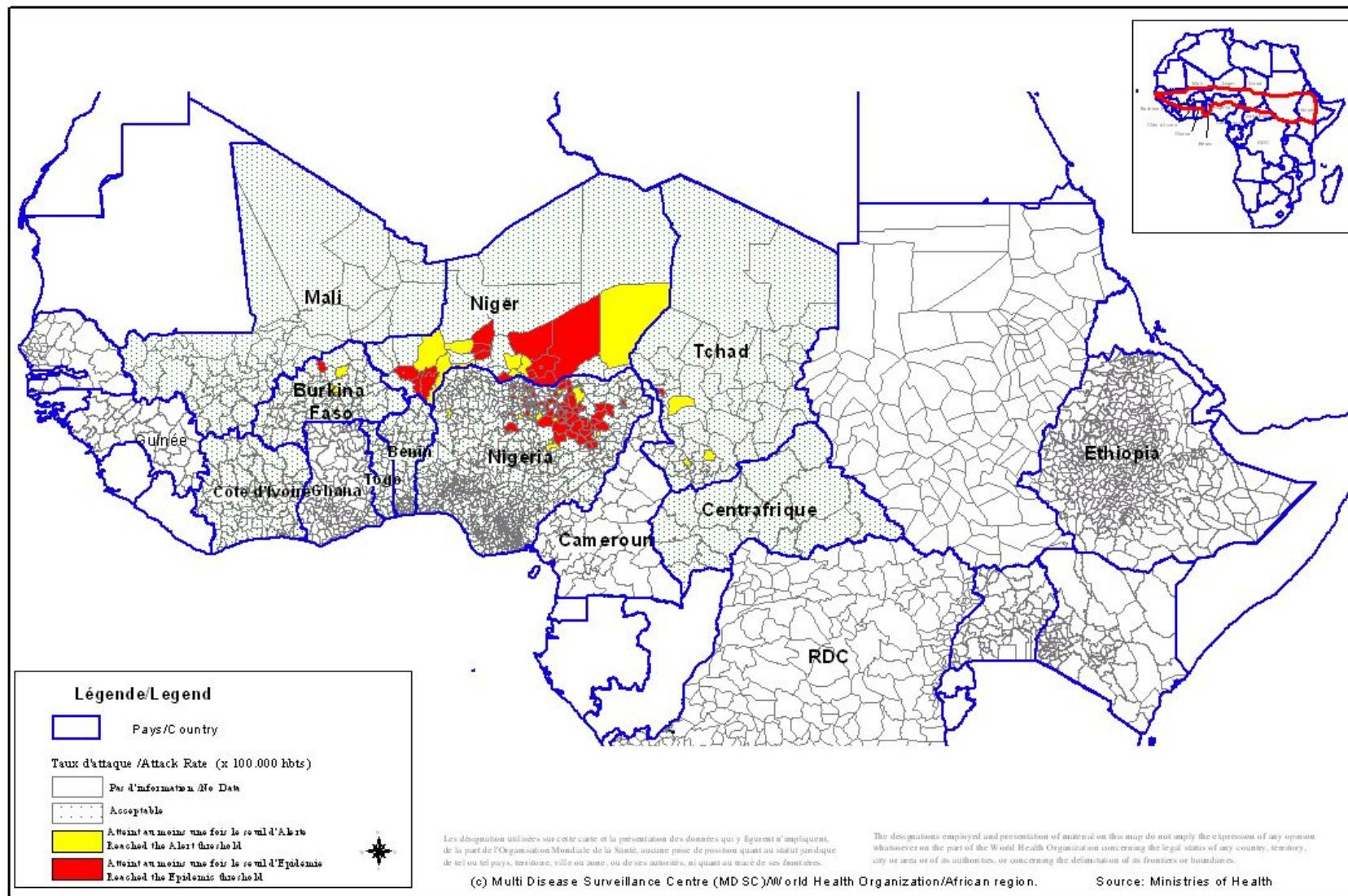


Figure 2 : Cartographie récapitulative des taux d'attaque cumulés de la Méningite, Semaine 01 – 15, 2009

(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 - 15, 2009

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

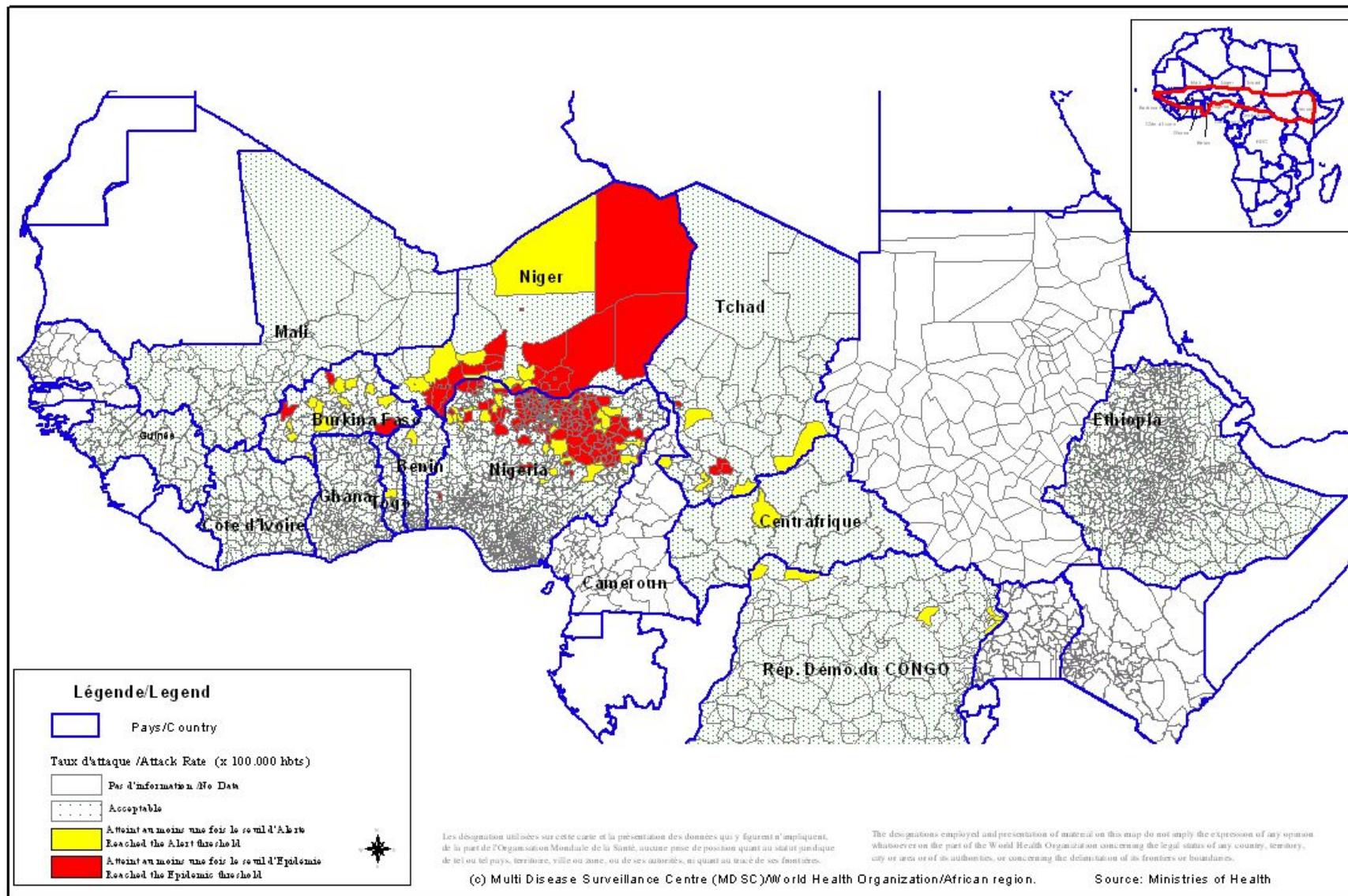


Figure 3. Taux d'attaque cumulés de la Méningite du Nigeria, Semaine 1 – 15, 2009
Cumulative Meningitis attack rates of Nigeria at week 1 - 15, 2009

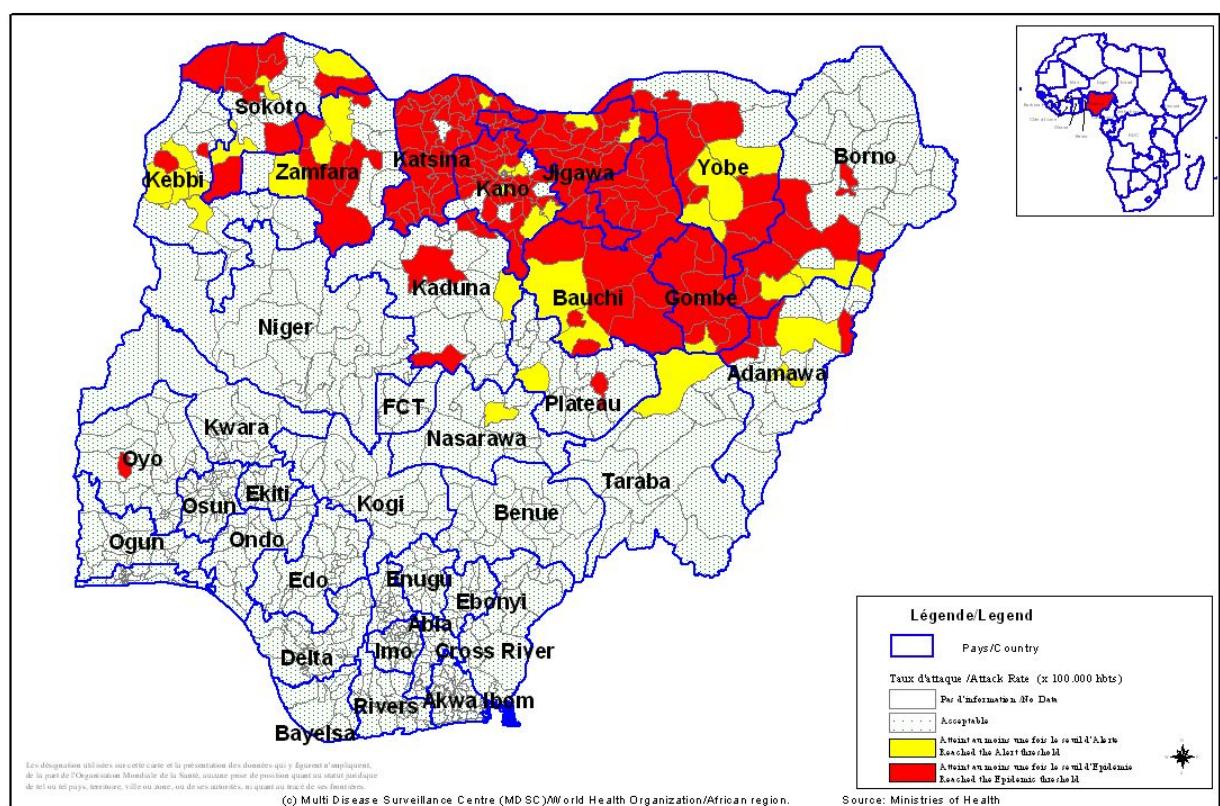
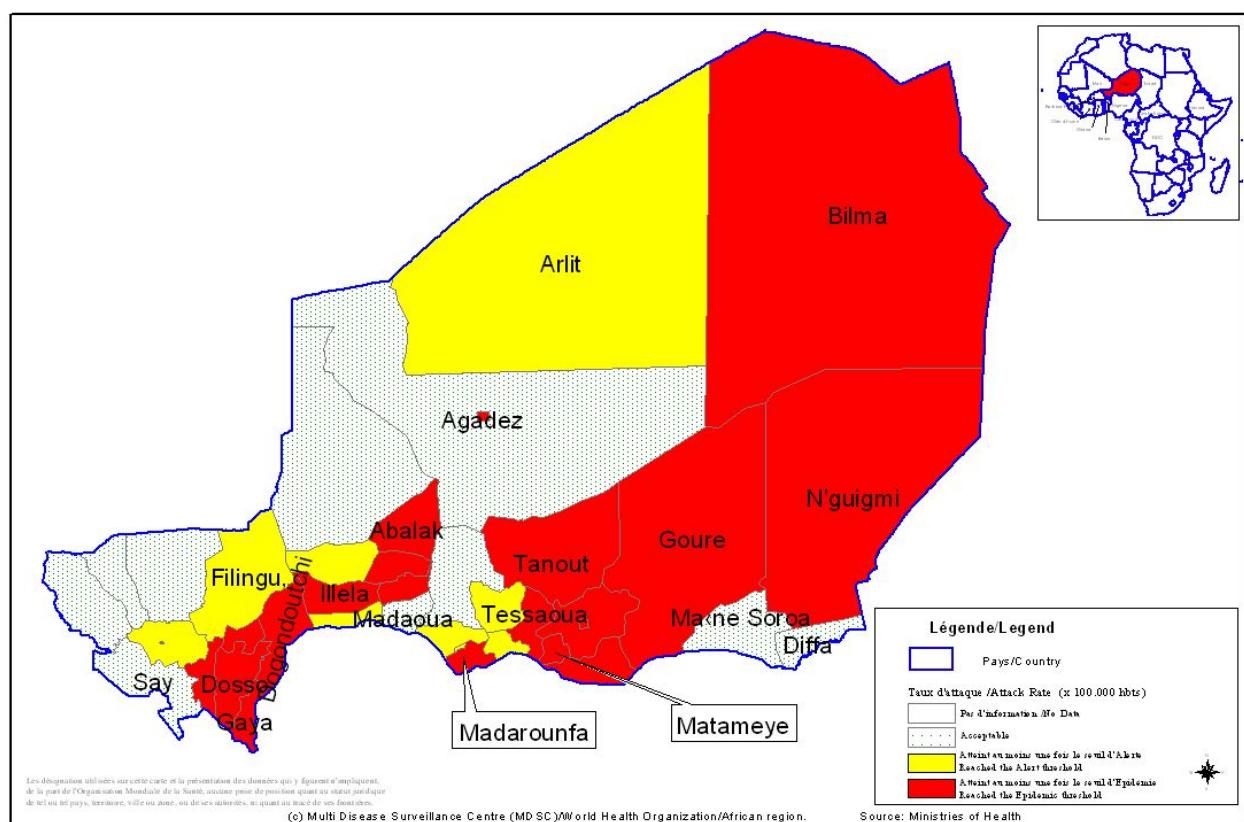


Figure 4. Taux d'attaque cumulés de la Méningite du Niger, Semaine 1 – 15, 2009
Cumulative Meningitis attack rates of Niger at week 1 - 15, 2009



**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)

