

MDSC Meningitis Weekly Bulletin

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

Semaine / Week 19 2009

I. SITUATION EPIDÉMIologIQUE DE LA SEMAINE 19 (04 au 10 mai 2009) 2009
EPIDEMIOLOGICAL SITUATION OF WEEK 19 (4 to 10 May 2009) 2009

Tableau/ Table 1 : Situation épidémiologique de la semaine 19 (04 au 10 mai 2009) 2009 /
Epidemiological Situation week 19 (4 to 10 May 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	3	0	0.0	0	0	98.7	-	-	-	-	-
Burkina Faso	96	6	6.3	0	0	100.0	-	-	-	-	-
Cameroun	-	-	-	-	-	-	-	-	-	-	-
Centrafrique	-	-	-	-	-	-	-	-	-	-	-
Côte d'Ivoire	0	0	0.0	0	0	5.6	-	-	-	-	-
Ethiopia	-	-	-	-	-	-	-	-	-	-	-
Ghana	3	0	0.0	0	0	-	-	-	-	-	-
Guinée	-	-	-	-	-	-	-	-	-	-	-
Mali	9	1	11.1	0	0	100.0	-	-	-	-	-
Niger	192	8	4.2	2	0	100.0	119	0	0	2	0
Nigeria	599	19	3.2	10	7	70.8	-	-	-	-	-
RD Congo**	56	5	8.9	0	0	9.5	-	-	-	-	-
Tchad	4	0	0.0	0	0	100.0	-	-	-	-	-
Togo	5	1	20.0	0	0	97.1	-	-	-	-	-
Total	967	40	4.1	12	7	60.8	119	0	0	2	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:

Niger :

- District en alerte: Abalak et Tillabéri.

Nigeria : 7 LGAs en épidémie et 10 LGAs en alerte
(Voir les détails à la page 3,4 et 5).

Comments:

Niger:

- District in alert: Abalak and Tillabéri.

Nigeria: 7 LGAs in epidemic and 10 LGAs in alert
(See details on page 3, 4 and 5).

Nous contacter / Contact us:

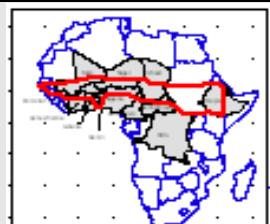
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<http://www.meningvax.org/press-reports.htm>

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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 – 19) SYNTHESIS OF THE EPIDEMIOLOGICAL SITUATION 2009 (REPORTED WEEKS 1 – 19)

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

Pays	Cas	Décès	Létalité (%)	District en Alerte	District en Epidémie	Semaines notifiées	En districts (%)	En semaines (%)
Country	Case	Death	Letality (%)	District in Alert	District in Epidemic	Reported weeks	In districts (%)	In weeks
Benin	200	24	12.0	1	0	01-19	98.7	99.9
Burkina Faso	3 741	469	12.5	11	3	01-19	100.0	100.0
Cameroun	-	-	-	-	-	-	-	-
Centrafrique	275	43	15.6	2	1	01-17	100.0	83.1
Côte d'Ivoire	185	34	18.4	0	0	01-19	100.0	72.3
Ethiopia	41	6	14.6	0	0	01-15	-	-
Ghana	212	38	17.9	0	0	01-19	-	-
Guinée	-	-	-	-	-	-	-	-
Mali	204	17	8.3	0	0	01-19	100.0	100.0
Niger	12 374	492	4.0	12	23	01-19	100.0	100.0
Nigeria	51 503	2 288	4.4	47	167	01-19	70.8	99.9
RD Congo**	2 237	236	10.5	27	5	01-19	20.3	82.8
Tchad	1 203	133	11.1	6	3	01-19	100.0	98.7
Togo	186	23	12.4	1	0	01-19	100.0	99.4
Total	72 361	3 803	5.3	107	202	01-19	69.8	96.3

** 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:	Comments:
On note pour la semaine 19 une accalmie générale annonçant la fin de la saison épidémique. D'où la nécessité pour les pays qui ont connu une épidémie de préparer l'évaluation de la riposte pour tirer les leçons qui s'imposent et envisager à présent la reconstitution des stocks de réserve (médicaments, réactifs et vaccins) pour la saison prochaine.	<i>At week 19 it is observed that the epidemic situation is winding down toward the end of the epidemic season. Countries that faced outbreaks should start preparing the post mortem evaluation of the response in order to draw lessons and start preparing for the next season, constitution of contingency stocks (drugs, reagents and vaccines).</i>

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

Pays	Nombre LCR	LCR contam	LCR negativ	NmA	NmW135	Autres Nm	S.Pneum	Hib	Autres Patho
Country	Number LCR	LCR contam	LCR negativ	NmA	NmW135	Other Nm	S.Pneum	Hib	Other Patho
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
Ethiopia	-	-	-	-	-	-	-	-	-
Ghana	11	0	0	1	1	0	8	1	0
Mali	53	0	34	16	2	0	1	0	0
Niger	3 176	0	1 688	1 358	5	3	57	8	36
Nigeria	105	0	42	53	7	0	2	0	1
RD Congo	-	-	-	-	-	-	-	-	-
Tchad	295	0	116	45	59	0	67	8	0
Togo	-	-	-	-	-	-	-	-	-
Total	4 118	5	2 164	1 509	80	4	260	18	56

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

Commentaires:	Comments:
La proportion des cas suspects ayant bénéficié de prélèvement d'échantillon et de résultats laboratoire reste faible en dehors du Niger où un effort appréciable est fait chaque année pour la confirmation du maximum de cas suspects.	<i>The proportion of cases with laboratory samples taken is globally weak in the countries except in Niger where every year the system in place allows them to get a good number of laboratory confirmed cases.</i>

Situation Épidémiologique de la méningite du Nigeria 2009/ (1/3)
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	17.56	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					10.24	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	12.44	2.95	5.50	6.50	4.14	1.77	3.55	1.77			1.18							
8	Adamawa	Numan	98,847														1.01	1.01	1.01	8.09	8.09	5.06		3.03					
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	6.48					
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	3.02					
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	27.84		3.85	3.30	4.03							
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	19.18	10.19	9.35	5.75	0.72						
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			3.95						
18	Bauchi	Dass	99,433														1.01		4.02	13.07	1.01	7.04	5.03	12.07					
19	Bauchi	Gamawa	316,604							0.95	0.63	2.53	3.47	4.11	4.42	3.84	7.90	3.47	4.74	13.58	5.37	3.79	0.63	1.26					
20	Bauchi	Ganjuwa	310,059			0.32											1.94	11.61	13.22	50.64	45.15	56.12	21.93	17.74					
21	Bauchi	Giade	173,530	0.58													1.15	19.59	7.49	24.20	40.92	38.03	78.95	76.07					
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	13.77	7.08	9.44					
23	Bauchi	Jama'Are	130,321														6.91	15.35	16.88	17.65	33.76	65.99	45.27	21.39					
24	Bauchi	Katagum	327,197														4.89	6.11	22.62	12.23	24.45	38.51	33.92	50.73					
25	Bauchi	Kirfi	163,193														1.23					1.23	5.51	6.74					
26	Bauchi	Misau	291,287														1.37		2.06	3.78	3.43	4.12	4.12	17.51					
27	Bauchi	Ningi	428,044	1.64													0.93	4.91	6.07	5.84	19.86	10.51	16.12	39.95					
28	Bauchi	Shira	258,704							1.55		6.57	9.28	8.89	15.09	14.30	15.46	17.39	14.69	10.44	11.60	4.64	1.55						
29	Bauchi	T/Balewa	243,198															4.93	6.99	3.29	3.70	5.35	6.99	2.47	7.81				
30	Bauchi	Toro	387,374														3.10	1.29	0.52	2.84	4.90	2.32	8.78	8.00	5.16				
31	Bauchi	Wari	126,824									5.52	3.94						3.94	14.98	9.46	16.56	8.67	6.31	43.37	0.79			
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	12.76	8.98		2.83						
33	Borno	A/Uba	152,661														1.31	1.97	9.83	5.90	1.97	7.86	8.52		1.31				
34	Borno	Bayo	87,311	5.73	5.73	16.03	8.02	10.31	18.33	18.33	35.51	38.94	92.77	93.92	64.14	49.25	28.63							2.29					
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		2.05	1.03	0.51				
36	Borno	Hawul	133,008														3.01	9.02	3.01	6.77					1.50				
37	Borno	Jere	233,488														1.28		0.43		2.14	7.28	14.99	34.69					
38	Borno	Kaga	99,512																2.01	4.02	5.02	10.05	5.02		13.06				
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	7.07	8.84		6.19	1.77				
41	Borno	Damboa	256,006																5.47	6.64	11.33	4.30	2.34	10.94	1.95				
42	Gombe	Akko	371,336														1.62	4.58	7.81	16.43	16.70	16.97	31.51	14.81	7.00	3.23			
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	4.95	0.45			
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	5.71		0.44					
46	Gombe	Funakaye	259,484		0.39	2.31	5.40	16.57	12.72	25.05	48.25	48.56	35.54	40.08	50.48	40.46	34.30		14.26	5.01									
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	17.65	6.45	3.39	2.72	1.02								
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	4.25		1.82	1.21				
49	Gombe	Kwami	214,653														0.93	3.26	3.73	2.33	9.78	22.83	20.03	20.96	20.03	20.50	10.25		
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		7.90	1.32						
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	10.21	3.00	0.60						
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	30.30	13.90	8.55
53	Jigawa	Auyo	143,821									6.26	2.09	10.43	0.70	20.86	9.04	3.34	32.68	14.60				14.60	22.25				
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			16.40	52.43					
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				83.89	103.69		32.99		
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			16.78			12.30	</td					

Situation Épidémiologique de la méningite du Nigeria 2009/ (2/3)
Meningitis epidemiological situation 2009

SN	State	LGA	Population	Wk 01		Wk 02		Wk 03		Wk 04		Wk 05		Wk 06		Wk 07		Wk 08		Wk 09		Wk 10		Wk 11		Wk 12		Wk 13		Wk 14		Wk 15		Wk 16		Wk 17		Wk 18		Wk 19					
				Attack Rate																																									
73	Jigawa	Malam-Maduri	175,867							1.14		1.71	11.94	11.94	17.06	14.78	12.51	14.78	42.08												6.82	53.45	25.02												
74	Jigawa	Miga	139,924		1.43					10.44	8.58	8.58	7.86	18.58	37.16	36.45	62.18																22.87	27.87	5.72										
75	Jigawa	Ringim	209,219							0.96	0.48	7.65	16.73	26.68	31.55	38.24	22.94																	30.59	13.38										
76	Jigawa	Roni	84,787									7.08		16.51	16.51	11.79																	8.26	16.51											
77	Jigawa	Sule-Tankarkar	142,566							13.33	7.72	14.78																							4.91										
78	Jigawa	Taura	143,555									2.09	27.86																							33.44	34.03								
79	Jigawa	Yankwashi	104,334										10.54	4.79	4.79																				7.67	6.71	24.92	25.98							
80	Kaduna	Igabi	470,123										3.83	1.49	0.64																				3.40	3.19									
81	Kaduna	Ikara	211,908		3.30	8.97	8.49	6.13	5.19	15.57	11.00	6.61	4.72	3.30																	4.25	4.72	2.83												
82	Kaduna	Kauru	185,772																																6.46	2.15									
83	Kaduna	Lere	361,869										0.28	2.76																					5.25	2.21									
84	Kaduna	Makarfi	159,821										22.53																						1.25										
85	Kano	Ajingi	191,952							1.04		0.52	3.13	6.77	5.21	7.81	10.94	14.59	19.28	22.92	6.25	5.21																							
86	Kano	Albasu	209,606									0.48	2.86	0.48																					3.82	6.20	20.99	2.86							
87	Kano	Bagwai	179,507	5.01	3.34	4.46	5.57	8.91	11.14	16.16	31.75	22.84	16.16	27.85	27.30	10.56	6.13	5.01	3.34	0.56																									
88	Kano	Bebeji	208,180		4.32	0.96	5.28	2.40	3.38	1.92			4.80	8.17	13.93	29.30	53.80	38.43	29.76	4.32	2.88																								
89	Kano	Bichi	305,447			0.33	3.93	2.62	9.82	21.01	10.80	10.15	22.26																				49.76	61.55	60.09	25.54	3.93								
90	Kano	Bunkure	188,374							0.53		2.12		0.53																															
91	Kano	D/Kudu	248,447								2.82	5.23		6.44	6.44	2.01	4.43	0.81	25.36	32.20																		10.87	1.21						
92	Kano	D/Tofa	273,233							0.37		0.73		2.20	5.86	4.03	17.93	24.52	0.73																										
93	Kano	Dala	461,619			0.22					0.22	0.43		2.38	1.52	4.98	8.23	3.03																											
94	Kano	Dambatta	229,244							2.18	2.18	11.78	17.88	22.25	18.32	30.97	27.92	47.98	19.03	10.47	5.67	2.18	1.31																						
95	Kano	Doguwa	166,647									1.80		2.40	2.40	19.20																													
96	Kano	Fagge	219,169							3.19	0.91	0.91			3.19	4.56	9.13	15.07	31.03	39.24	20.99	17.34	9.58																						
97	Kano	G/Mallam	128,412								2.34		10.98		5.45	7.01	17.91	35.04																		6.23									
98	Kano	Garko	179,124							8.37	3.35	2.79	5.02	1.12	4.47																					12.28	16.79	13.96	12.28	10.05					
99	Kano	Gaya	221,581		3.16	0.45					1.81	5.42	0.90	1.81	0.45	4.06	0.90																		4.51										
100	Kano	Gezawa	310,925							1.61	0.32	0.64			1.93	2.57	5.79	5.47	5.47	4.18																	5.47	0.96							
101	Kano	Gwale	399,099									0.50				0.75	5.01	9.27	5.51	12.53	1.25																								
102	Kano	Gwarzo	202,809		3.94		2.47	2.96	15.81	16.27	4.93					0.49	1.48	16.76	40.93	8.38	7.40	4.44																							
103	Kano	Kabo	169,565							0.59		7.08	7.67	2.95	7.67	7.06	53.08	53.67	66.05	27.72	15.33	5.90	2.95	1.18																					
104	Kano	Kano Mun.	402,919									0.99	0.25				5.21	1.99	2.90	8.44																									
105	Kano	Karaye	155,873		1.28	1.28					7.70	14.11	7.06					12.19	19.25	4.49	5.77																								
106	Kano	Kibiya	150,724													1.99	37.18	39.61	13.93	5.31	5.31	5.97															1.99								
107	Kano	Kiru	291,869	0.34	0.34	3.00	7.54	3.77	1.37	3.77						0.69	1.71	0.69	0.34	4.11	2.06																								
108	Kano	Kumbotso	326,259										0.31	0.92	0.92	7.36	3.66	5.21	8.28	14.41															4.29	3.07	3.07								
109	Kano	Kunchi	122,375							0.82		7.35	7.35	17.16	10.62	8.17	9.81																						2.45	0.82					
110	Kano	Kura	159,394							2.51				3.14	6.90	0.63																							3.14	1.25					
111	Kano	Madobi	150,600	1.33							2.66	2.66	3.32				5.31	5.31	15.27	32.54	27.22	99.94	3.98	3.98	3.98																				
112	Kano	Makoda	245,151										8.97	22.03	23.25	28.16	34.26	4.89	19.58	5.30																									
113	Kano	Minjibir	235,666	0.85	0.85		0.42	0.85	3.39	1.70	2.97	16.55	29.28	29.70	32.25	5.94	46.60	12.31																				7.21	5.09						
114	Kano	Nassarawa	657,710							0.15							6.08	2.89	7.30	5.78	1.22	6.84	1.98	1.2																					

Situation Épidémiologique de la méningite du Nigeria 2009/ (3/3)
Meningitis epidemiological situation 2009

SN	State	LGA	Population	Weeks (Wk) 01 to 19																					
				Wk 01	Wk 02	Wk 03	Wk 04	Wk 05	Wk 06	Wk 07	Wk 08	Wk 09	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15	Wk 16	Wk 17	Wk 18	Wk 19			
Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate	Attack Rate			
145	Katsina	Kaita	201,500		1.99		4.47	11.41		48.64	39.21	36.72	22.83	28.20	19.35	27.77	9.43	4.96							
146	Katsina	Kankara	268,526	0.37					5.21	2.23	14.52	41.34	13.78	29.05	20.85	9.31	22.09	3.72	2.23	8.19	1.86				
147	Katsina	Kankia	165,476	0.60	0.60	1.81	3.63	5.44	30.22	9.67	22.98	12.69	54.99	18.73	69.50	16.92	32.63	18.73		10.86	3.63				
148	Katsina	Katsina	347,989				2.01	2.30	0.86	7.76	4.60	12.93	11.21	20.69	33.05	36.78	43.39	28.16	13.79			1.15			
149	Katsina	Kurfi	128,484	5.46	2.33	10.12	3.89	19.46	35.80		21.79				6.23	1.56		8.56	4.67						
150	Katsina	Kusada	108,472					11.98	17.52	8.30	3.69	18.44		9.22	56.24	56.24	32.27	6.45							
151	Katsina	Maiadawa	219,833	1.36	3.64					2.27	3.64		5.46	7.28	15.42	5.91	14.19	6.37	1.82						
152	Katsina	Melunfashi	199,882	1.50				7.50	13.01	10.01	29.02	23.01		53.03	50.03	48.53		61.04							
153	Katsina	Mani	193,376							7.24	3.10	2.07			3.10		12.98		4.65	6.72					
154	Katsina	Mashi	189,188							3.17			1.59		7.93		6.34	13.74	8.99	7.93	3.70	1.59			
155	Katsina	Melotzu	126,019		1.59	6.35			5.65	12.70		15.67	3.97	24.60		68.24	49.99	32.53	8.73						
156	Katsina	Musawa	187,637		3.20	4.80	1.60	21.32	10.65		51.16		27.18	62.35	33.04	17.08	9.56	10.13	3.73	3.20					
157	Katsina	Rimi	168,000						4.76	8.33	8.33	4.76	8.33		33.93	57.14	52.38	51.79	38.69	19.64	20.34	14.29	6.55		
158	Katsina	Sabuwa	148,666										0.67	16.14	14.80	18.16									
159	Katsina	Safana	200,820		2.99	2.99	1.49		1.00	1.49	1.99	5.98	3.49	29.38	15.44	22.91	17.43	7.97	13.44						
160	Katsina	Sandamu	150,017	1.33	2.67	7.33	10.00	16.60				35.33	22.66		5.33	3.33									
161	Katsina	Zango	169,092							9.40	20.11		24.84	3.55											
162	Kebbi	Aliero	72,301							4.15	11.06														
163	Kebbi	Arewa	201,681												1.49	2.97	2.48	0.99	1.49	0.99	5.45				
164	Kebbi	Birnin Kebbi	294,165									2.04	0.34		4.76	2.72	1.36		5.10	3.06					
165	Kebbi	Bunza	133,111						4.51		12.77	11.21		6.76	5.26	0.75									
166	Kebbi	Dandi	158,111						2.53							8.22	4.43	2.53							
167	Kebbi	Fakai	132,838																0.75	12.80					
168	Kebbi	Kalgo	93,594								3.21		8.55	3.21							0.59				
169	Kebbi	Koko Bese	169,434										2.36			5.31									
170	Kebbi	Mayama	192,537							0.52			3.64		6.23	1.56	4.67	1.04							
171	Kebbi	Suru	164,639										9.11												
172	Nasarawa	N/Eggan	162,957								6.14	0.61													
173	Niger	Magama	200,819	1.00	1.00	0.50	2.99		3.98		3.98	4.48	3.49	2.49	5.48	0.50		0.50							
174	Niger	Mariga	220,471						1.36	1.81	1.81			1.81	1.81	5.44									
175	Plateau	Bokkos	193,303	0.52		0.52	0.52	0.52	5.17							2.07	0.52	1.03	0.52						
176	Plateau	Langtang North	152,345	0.66								14.44	3.28			1.97	0.66	1.97	0.66						
177	Sokoto	Binji	114,766						6.97	1.74		1.74	13.94	2.61	3.49	0.87		3.49							
178	Sokoto	Gudu	104,404								4.79		24.90	6.70			27.70		6.70						
179	Sokoto	Gwadabawa	252,811		9.10	14.64	7.52	30.46	4.75	5.54	2.37	4.35				0.79	0.79	0.40							
180	Sokoto	Illela	164,443					24.93	6.69	14.58	4.26	9.12	2.43			12.10									
181	Sokoto	Isa	159,651					26.99		3.76					1.88										
182	Sokoto	Kebbe	136,217					1.37		2.05					27.16	4.40	5.14	3.67							
183	Sokoto	Kware	146,315												5.47		4.10	6.15		2.05					
184	Sokoto	Sabon Birni	226,849												5.29	6.61									
185	Sokoto	Tambuwai	245,788						5.70	3.25		6.10													
186	Sokoto	Tangaza	124,410								1.61					19.29		11.29							
187	Sokoto	Tureta	74,710								2.68	4.02				24.09	24.09								
188	Sokoto	Wamako	196,275												7.13	10.70	1.53								
189	Taraba	K/Lamido	213,381						0.47	7.50	7.97	3.75	7.50	9.37	4.22	1.41	0.94								
190	Yobe	Bade	154,979		1.29						1.29	3.87	4.52	2.58	3.87	11.61	11.61	10.37	4.52	1.94					
191	Yobe	Bursari	120,988							16.53	4.13	8.27	2.48	2.48	4.96	12.40	1.65	3.31	0.83	0.83					
192	Yobe	Damaturu	97,583		1.02	8.20	8.20	18.45	12.30	14.35	12.30	29.72	27.67	27.67	15.37	11.27	10.24								
193	Yobe	Fika	151,778		6.59	9.88	5.93	2.64	1.98	1.98	9.22	7.25	6.59	1.32	2.64										
194	Yobe	Fune	333,458		5.40	0.60	2.40	0.90			6.00	3.60	4.20	3.90	3.90	3.90	3.90	3.90	1.80	1.80	2.70				
195	Yobe	Gube	144,231			2.08	9.71	15.29	15.25	22.88	15.25	15.25	33.28	42.29	29.81	20.80	6.93	5.56							
196	Yobe	Gulani	114,763			15.68	42.70	6.97	16.30	8.71	6.10	3.49	6.10	4.36	12.20	3.49									
197	Yobe	Jakusko	253,988						1.97	2.76	1.57	0.39	4.33	18.11	5.12	2.36	7.87	5.91	0.79	2.36					
198	Yobe	Karasuwá	118,624										20.28	25.29	4.22	5.06		3.37							
199	Yobe	Machina	68,304	1.46		1.46	1.46	5.86	23.42	7.32	5.86	11.71	5.86	10.25	2.93	10.25									
200	Yobe	Nangere	97,371			5.14	1.03	3.08	3.08	14.38			2.05	14.38	26.70	17.46	1.03	5.14							
201	Yobe	Nguru	167,008	1.20	3.59			1.80	4.19	3.59	2.40	3.59	3.59	12.57	23.95	23.35	18.56	11.98	23.95	11.32	1.80				
202	Yobe	Pobiskum	228,258						6.13	6.57	11.63	4.38	2.63	9.64	9.20	17.52	14.46	8.32	5.26	3.50	1.31				
203	Yobe	Tarmuwa	85,597									2.34		3.50	3.50	5.84	4.67								
204	Yobe	Yunusari	139,500												0.72		14.34	4.30							
205	Zamfara	Anka	156,381							10.23	1.28		6.39	7.03	17.21		0.64	1							

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 19, 2009
Map of meningitis attack rates by district by country at week 19, 2009

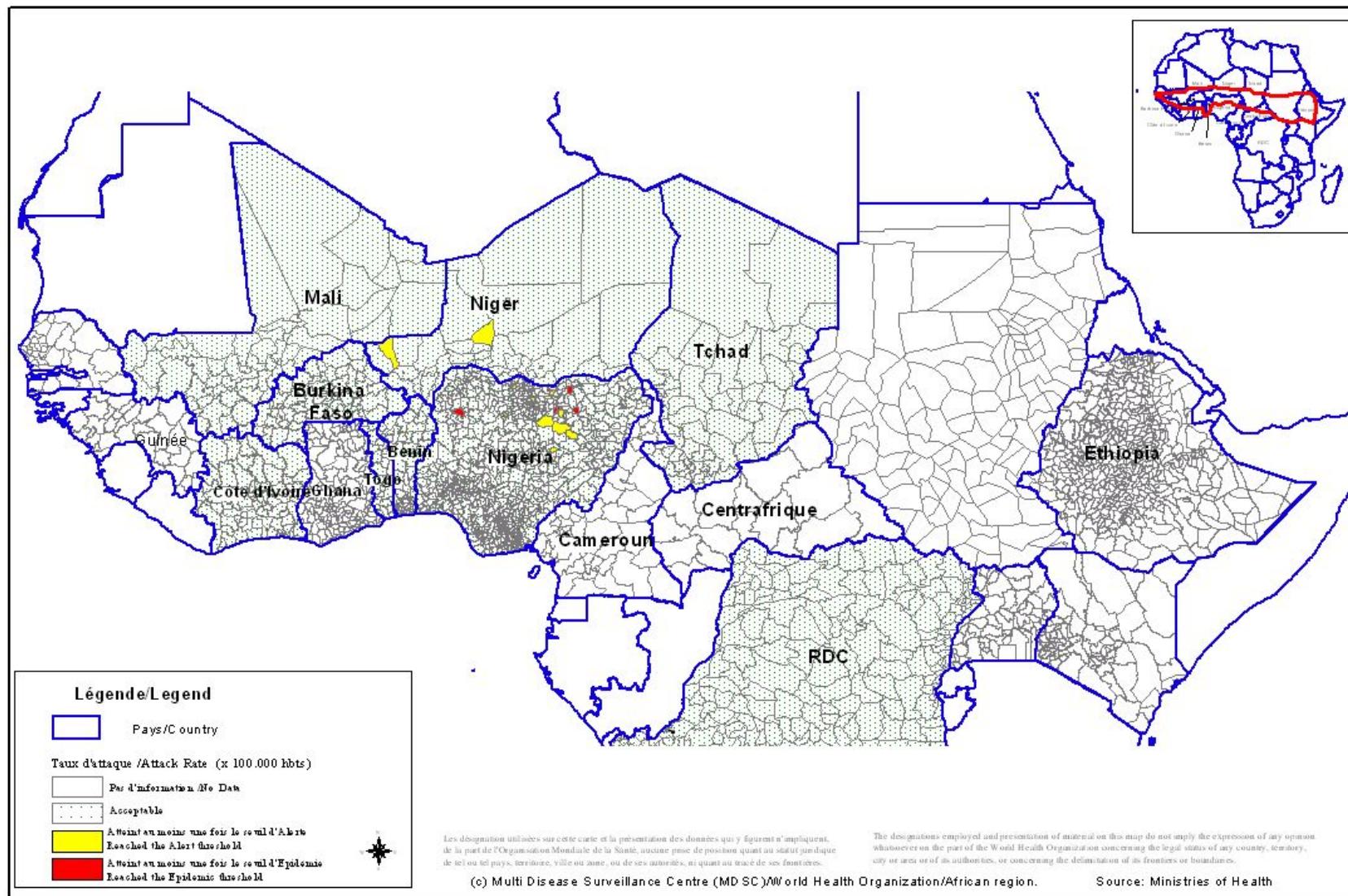


Figure 2 : Cartographie récapitulative des taux d'attaque cumulés de la Méningite, Semaine 01 – 19, 2009

(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 - 19, 2009

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

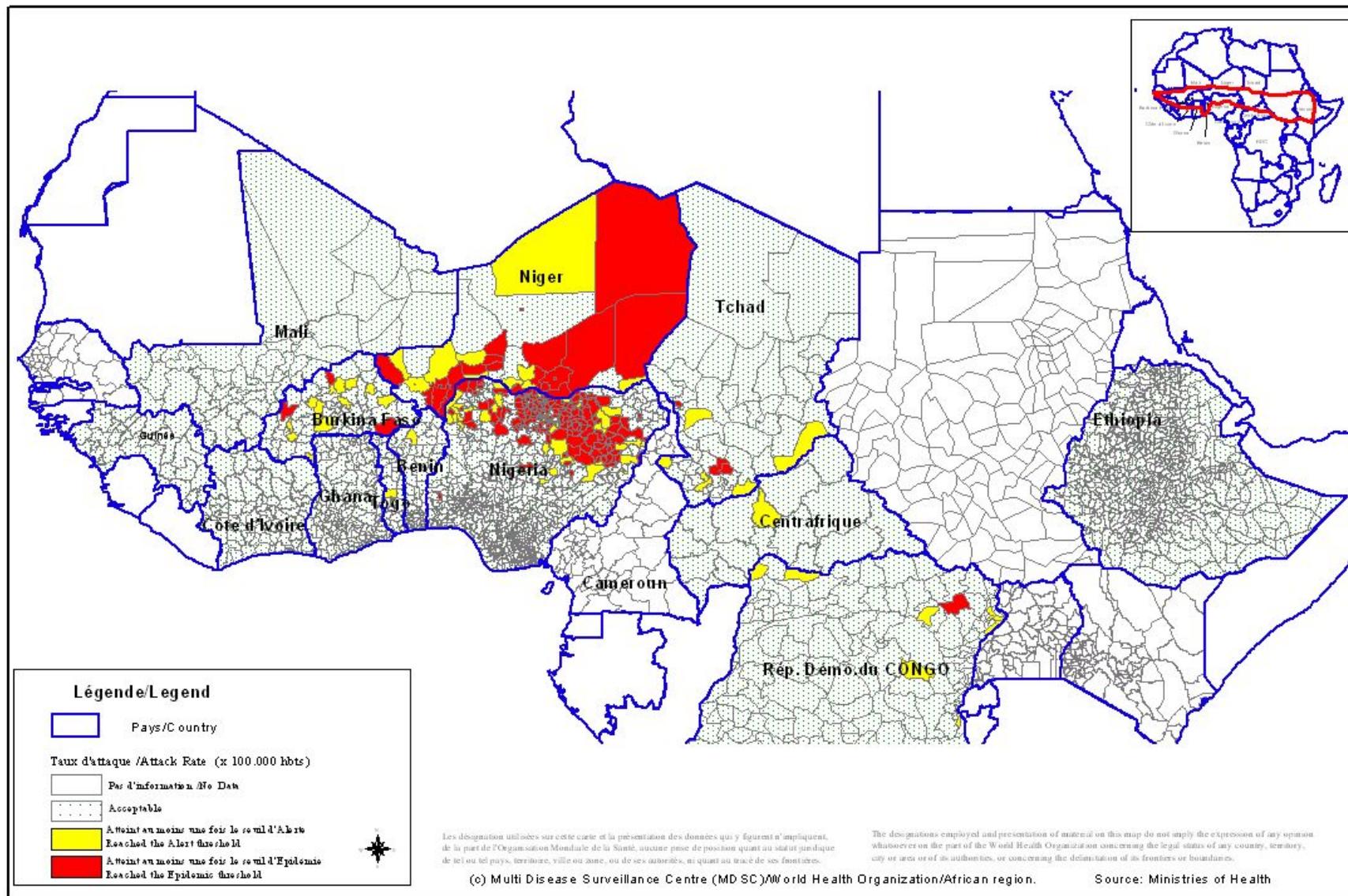


Figure 3. Taux d'attaque cumulés de la Méningite du Nigeria, Semaine 1 – 19, 2009
Cumulative Meningitis attack rates of Nigeria at week 1 - 19, 2009

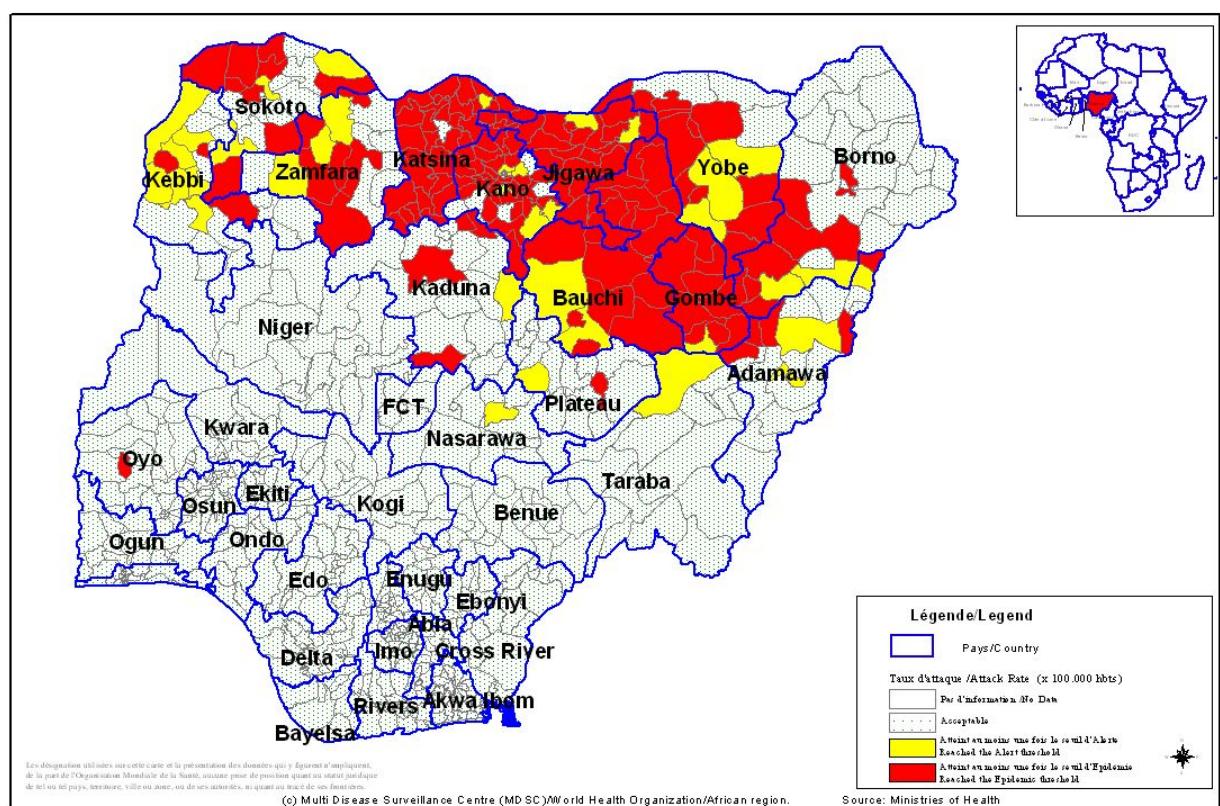
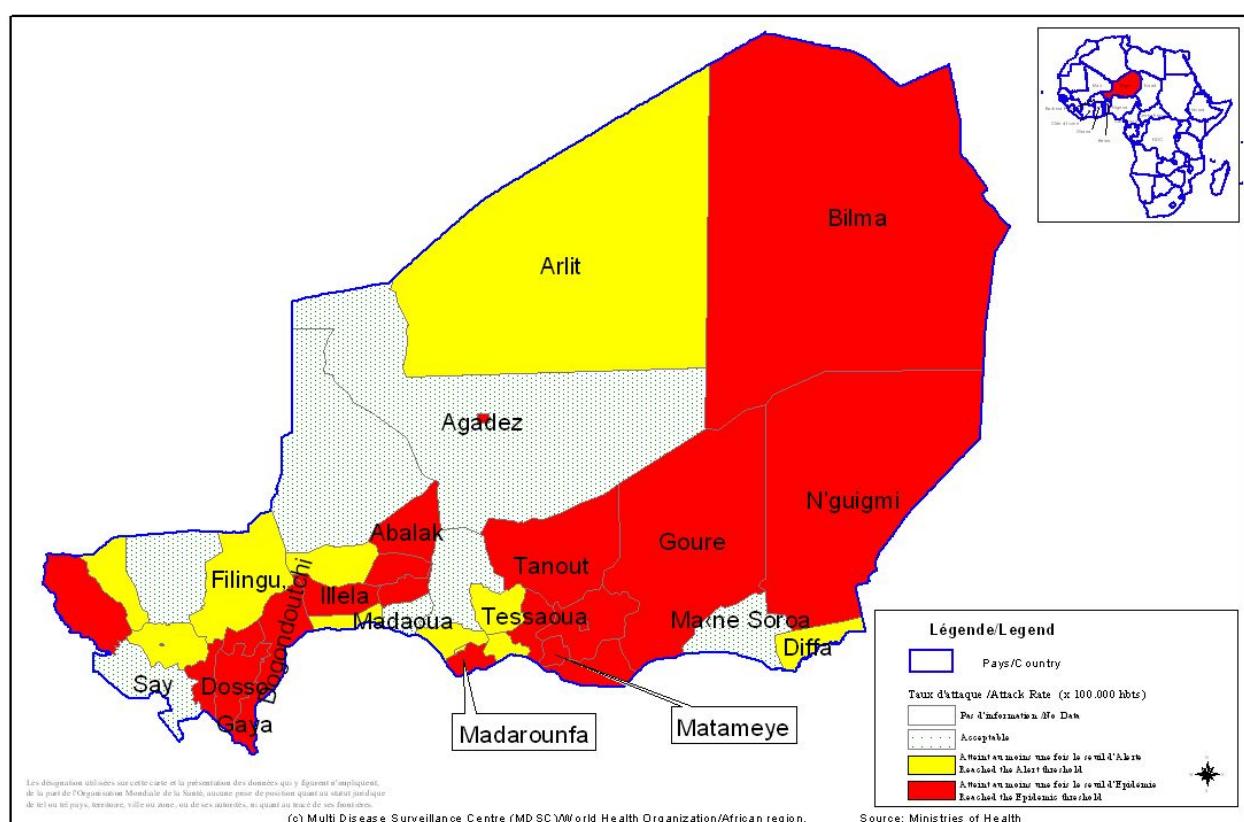


Figure 4. Taux d'attaque cumulés de la Méningite du Niger, Semaine 1 – 19, 2009
Cumulative Meningitis attack rates of Niger at week 1 - 19, 2009



**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)

