

Semaine / Week 16 2009

I. SITUATION EPIDEMIOLOGIQUE DE LA SEMAINE 16 (13 au 19 avril 2009) 2009
EPIDEMIOLOGICAL SITUATION OF WEEK 16 (13 to 19 April 2009) 2009

**Tableau/ Table 1 : Situation épidémiologique de la semaine 16 (13 au 19 avril 2009) 2009 /
Epidemiological Situation week 16 (13 to 19 April 2009) 2009**

Pays	Cas	Décès	Létalité (%)	District en Alerte	District en Epidémie	Complét. (%)	NmA	NmW135	Autres Nm	Pneum	Hib
Country	Case	Death	Lortality	District in Alert	District in Epidemic	Compleat (%)	NmA	NmW135	Other Nm	Pneum	Hib
Benin	-	-	-	-	-	-	-	-	-	-	-
Burkina Faso	209	25	12.0	3	1	100.0	-	-	-	-	-
Cameroun	-	-	-	-	-	-	-	-	-	-	-
Centrafrique	7	1	14.3	0	1	4.2	-	-	-	-	-
Cote d'Ivoire	-	-	-	-	-	-	-	-	-	-	-
Ethiopia	-	-	-	-	-	-	-	-	-	-	-
Ghana	-	-	-	-	-	-	-	-	-	-	-
Guinée	-	-	-	-	-	-	-	-	-	-	-
Mali	10	1	10.0	0	0	100.0	-	-	-	-	-
Niger	1 036	39	3.8	18	6	100.0	89	0	0	1	1
Nigeria	3 662	110	3.0	30	58	70.8	-	-	-	-	-
RD Congo**	10	1	10.0	0	0	100.0	-	-	-	-	-
Tchad	50	7	14.0	1	1	100.0	-	-	-	-	-
Togo	4	0	0.0	0	0	91.4	-	-	-	-	-
Total	4 988	184	3.7	52	67	55.3	89	0	0	1	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 : Barsalogo, Koungoussi et Séguénéga.

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

Niger :

- District en épidémie: Boboye, Bouza, Magaria, Tanout et Zinder
- District en alerte: Bilma, Diffa, N'Guigmi, Aguié, Guidan-Roundji, Madarounfa, Niamey I, Niamey II, Abalak , Birnin N'Konni, Illela, Keita, Filingue, Kollo, Ouallam, Tera, Matameye et Mirriah

Nigeria : 39 LGAs en épidémie et 22 LGAs en alerte (Voir les détails à la page 3,4 et 5).

Tchad :

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

Comments:

Burkina Faso:

- District in epidemic : Titao
- District in alert: Barsalogo, Kongoussi and Séguénéga.

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

Niger:

- District in epidemic : Boboye, Bouza, Magaria, Tanout and Zinder
- District in alert: Bilma, Diffa, N'Guigmi, Aguié, Guidan-Roundji, Madarounfa, Niamey I, Niamey II, Abalak , Birnin N'Konni, Illela, Keita, Filingue, Kollo, Ouallam, Tera, Matameye and Mirriah

Nigeria: 39 LGAs in epidemic and 22 LGAs in alert (See details on page 3, 4 and 5)

Chad:

- District in epidemic: N'Djamena East
- District in alert: Benoye and Goundi.

Nous contacter / Contact us:

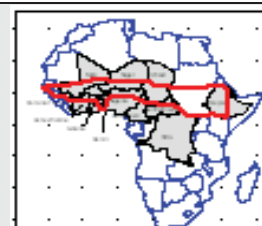
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The data published in this bulletin are weekly informations. They are susceptible to change after completeness and verification.

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. SYNTHÈSE DE LA SITUATION ÉPIDÉMIOLOGIQUE 2009 (SEMAINES NOTIFIÉES 01 – 16)
 SYNTHESIS OF THE EPIDEMIOLOGICAL SITUATION 2009 (REPORTED WEEKS 1 – 16)

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 Épidémie	Semaines notifiées	En districts (%)	En semaines(%)
Country	Case	Death	Letality (%)	District in Alert	District in Epidemic	Reported weeks	In districts (%)	In weeks
Benin	182	24	13.2	1	0	01-15	98.7	99.9
Burkina Faso	3 390	438	12.9	11	3	01-16	100.0	100.0
Cameroun	-	-	-	-	-	-	-	-
Centrafrique	225	39	17.3	2	1	01-16	100.0	88.0
Côte d'Ivoire	168	34	20.2	0	0	01-15	64.8	100.0
Ethiopia	32	6	18.8	0	0	01-07	-	-
Ghana	119	20	16.8	0	0	01-10	-	-
Guinée	-	-	-	-	-	-	-	-
Mali	180	15	8.3	0	0	01-16	100.0	100.0
Niger	11 085	442	4.0	13	21	01-16	100.0	100.0
Nigeria	45 795	2 093	4.6	46	164	01-16	70.8	99.9
RD Congo**	1 486	164	11.0	21	4	01-16	19.6	70.3
Tchad	1 127	126	11.2	5	3	01-16	100.0	98.5
Togo	174	21	12.1	1	0	01-16	100.0	98.9
Total	63 963	3 422	5.3	100	196	01-16	69.0	97.7

** 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:

La phase descendante de la courbe épidémique du Nigeria se confirme. Le Niger vient d'aborder également à la semaine 16 le décrochage de sa courbe qui devrait se poursuivre les semaines à venir.
 Rappelons que le Tchad, la RD Congo le Burkina Faso et la Centrafrique ont également enregistré des districts en épidémie cette année.

Comments:

The downward trend of the epidemic curve in Nigeria is maintained. Niger's epidemic curve also started to descend and will likely continue this descending trend during the coming weeks.
 Note that Chad, DR Congo, Burkina Faso and Central Africa have also reported epidemic districts this year.

**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	-	-	-	-	-	-	-	-	-
Cote 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	2 538	0	1 352	1 082	3	2	55	8	36
Nigeria	105	0	42	53	7	0	2	0	1
RD Congo	-	-	-	-	-	-	-	-	-
Tchad	47	0	15	15	11	0	4	2	0
Togo	-	-	-	-	-	-	-	-	-
Total	3 232	5	1 727	1 203	30	3	195	12	56

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

Commentaires:

Les germes prédominants au niveau des résultats positifs de laboratoire à nos jours restent largement le *Neisseria meningitidis* A suivi du *Streptococcus pneumoniae*.
 Cependant des cas de *Neisseria meningitidis* W135 restent présents surtout au Tchad et au Nigeria. Une surveillance biologique de ces souches dans ces pays s'impose pour déterminer à temps tout risque épidémique du à ces germes comme cela a été le cas au Burkina Faso avec la première épidémie de méningite à NmW135 en Afrique en 2002.

Comments:

The prevailing germs among positive CSF laboratory results is largely *Neisseria meningitidis* A followed by *Streptococcus pneumoniae*.
 However cases of *Neisseria meningitidis* W135 have been isolated in Chad and Nigeria. These countries should set up a biological surveillance system of these strains in order to detect on time any epidemic risk due to NmW135, as it was the case in Burkina Faso with the first large scale of nmW135 epidemic in Africa in 2002.

Situation Épidémiologique de la méningite du Nigeria 2009/ (1/3)
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	Wk 16 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	3.10	4.13	
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	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	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	Alkali	364,181									6.32	5.77	0.82	0.82	14.83	12.08		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	
15	Bauchi	Bogoro	93,100								2.15	8.59	17.19	65.52	22.56	37.59	3.22	4.30	9.67	
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	
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	9.35	
18	Bauchi	Dass	99,433						1.01				4.02	13.07	1.01	7.04	5.03	5.03	12.07	
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	5.37	
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	66.27	59.36
22	Bauchi	Itas-Gadua	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	
23	Bauchi	Jama'Are	130,321							6.91	15.35	16.88	17.65	33.76	65.99	45.27	216.39	39.90	42.20	
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	25.37	
25	Bauchi	Kirfi	163,193					1.23						1.23	5.51	5.51	6.74	41.06	16.54	
26	Bauchi	Misau	291,287						1.37		2.06	3.78	3.43	4.12	4.12	17.51	27.46	21.97	10.30	
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	15.08	14.30	15.46	17.39	14.69	10.44	11.60	
29	Bauchi	T/Balewa	243,198									4.93	6.99	3.29	3.70	5.35	6.99	2.47		
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	Warji	126,824							5.52	3.94		3.94	14.98	9.46	16.56	8.67	6.31	43.37	
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	
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	28.63		
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	
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	34.69	
38	Borno	Kaga	99,512										2.01		2.01	4.02	5.02	10.05	5.02	
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	Dambo	256,006											0.78	5.47	6.64	8.20	4.30	2.34	
42	Gombe	Akko	371,336							1.62	4.58	7.81	16.43	16.70	16.97	31.51	16.97	14.81	7.00	
43	Gombe	Balanga	233,614							4.28	4.28	23.54	3.85	21.83	65.92	47.94	29.11	25.26	8.99	
44	Gombe	Billiri	222,177								3.60	9.90	9.90	13.05	9.00	11.25	4.50	1.80	4.95	
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	
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	14.26	
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	
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	
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	
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	
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	
52	Gombe	Yamatu 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	
53	Jigawa	Auyo	143,821					6.26	2.09	10.43	0.70	20.86	9.04	8.34	32.68	14.60			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		16.40	
56	Jigawa	Birniwa	155,074						3.22	0.64	7.09			35.47	0.64	15.48				
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	
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		
59	Jigawa	Gagarawa	87,593			12.56			28.54		43.38		15.98		63.93	67.36			52.52	
60	Jigawa	Garki	165,865					0.60		3.62		0.60		17.48		28.94	47.63		44.61	
61	Jigawa	Gumel	116,757			1.71	6.85	22.27			47.96		20.58			54.81		36.83	34.26	
62	Jigawa	Guri	125,318				0.80						7.18	9.58	11.97	35.91		81.39	43.89	
63	Jigawa	Gwaram	296,991					0.67			4.71	9.09	11.45	23.57	23.57			53.20	6.73	
64	Jigawa	Gwiwa	135,667									2.21	6.63	9.58		14.00		11.06	6.63	
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	18.83	
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		
69	Jigawa	Kazaure	175,955				1.70	1.70	6.25	6.25		8.52	10.80	8.52		19.89	5.68		3.41	
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		10.62	

Situation Épidémiologique de la méningite du Nigeria 2009/ (2/3)
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	Wk 16 Attack Rate
72	Jigawa	Maigatari	195,808		0.51	0.51	4.60	5.62	2.04	10.21	4.09	6.13	8.17	7.15		4.60	7.66		7.15
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
74	Jigawa	Miga	139,924			1.43		18.44	8.58	8.58	7.86	18.58	37.16	36.45	62.18		22.87		27.87
75	Jigawa	Ringim	209,219						0.96	0.48	7.65	16.73	28.68	31.55	38.24	22.94			30.59
76	Jigawa	Roni	84,787							7.08		16.51	16.51	11.79		83.74		8.26	16.51
77	Jigawa	Sule-Tankarkar	142,566					13.33	7.72	14.73				47.00		30.86	20.34		49.80
78	Jigawa	Taura	143,555							2.09	27.88			66.18	0.70	190.17			33.44
79	Jigawa	Yankwashi	104,334								10.54	4.79	4.79			7.67	6.71	24.92	25.88
80	Kaduna	Igabi	470,123								3.83	1.49	0.64		3.83	10.42	13.40	12.34	3.40
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	2.83
82	Kaduna	Kauru	185,772										1.08	0.54		3.23			6.46
83	Kaduna	Lere	361,869								0.28	2.76		5.25	3.59	7.46	9.95	4.97	1.66
84	Kaduna	Makarfi	159,821							22.53		1.88	6.26	13.14	8.76	16.89	8.13	5.63	3.13
85	Kano	Ajingi	191,952					1.04		0.52	3.13	6.77	5.21	7.81	6.84		19.28	22.92	6.25
86	Kano	Albasu	209,606						0.48	2.86	0.48			3.82	6.20	9.54	20.99	2.86	
87	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	3.34
88	Kano	Bebeji	208,180		4.32	0.96	5.28	2.40	3.36	1.92		4.80	8.17	13.93	8.65	5.76	14.89	29.78	4.32
89	Kano	Bichi	305,447			0.33	3.93	2.62	9.82	21.61	10.80	10.15	22.26			49.78	61.55	60.89	25.54
90	Kano	Bunkure	188,374								2.12		0.53	1.59	7.43	15.39			
91	Kano	Di/Kudu	248,447						2.82	5.23		6.44	6.44	2.01	4.03		25.38	32.20	
92	Kano	Di/Tofa	273,233								0.73	1.83	5.66	0.37	0.37	19.03			
93	Kano	Dambatta	229,244					1.74	2.18	11.78	17.88	22.25	12.21			19.19	47.98	19.03	10.47
94	Kano	Dogwa	166,647								1.80	2.40	2.40	19.26					
95	Kano	Fagge	219,169				3.19	0.91	0.91				3.19	4.56	5.93		31.03	39.24	20.99
96	Kano	G/Mallam	128,412					2.34				10.90		5.45	5.45	14.80	26.48		6.23
97	Kano	Garko	179,124						1.12	3.35	2.79		1.12	4.47		12.28	16.75	13.96	12.28
98	Kano	Gaya	221,581				3.16	0.45		1.81	5.42	0.90	1.81	0.45	4.06	0.90			4.51
99	Kano	Gezawa	310,925					1.61	0.32	0.64		1.93	2.57	5.79	0.64	5.47	3.86		5.47
100	Kano	Gwale	399,099							0.50			0.75	3.01	4.26	5.01	12.53	1.25	
101	Kano	Gwarzo	202,809			3.94		2.47	2.96	10.85	13.31	4.93		0.49	1.48		40.93	8.38	7.40
102	Kano	Kabo	169,565					0.59		5.90	7.08	2.95	7.67	7.00	35.36	53.67	66.05	27.72	15.33
103	Kano	Kano Mun.	402,919							0.99	0.25		5.21	1.99	2.48				2.98
104	Kano	Karaye	155,873			1.28	1.28			7.70	14.11	7.08		12.19	18.60				
105	Kano	Kibiya	150,724							1.99	37.15	39.81	4.64			5.97			1.99
106	Kano	Kiru	291,869		0.34	0.34	3.08	7.54	3.77	1.03	3.77			0.69	0.69			4.11	2.06
107	Kano	Kumbotso	326,259							0.31	0.92	0.92	7.05	3.68	4.90	4.29	14.41	4.29	3.07
108	Kano	Kunchi	122,375					0.82		7.35	7.35	17.16	10.82	8.17	0.82		2.45	2.45	
109	Kano	Kura	159,394				2.51				3.14	6.90	0.63		3.14			7.53	
110	Kano	Madobi	150,600			1.33		0.66	2.66	2.66	3.32		5.31	5.31	11.95	32.54	27.22	98.94	3.98
111	Kano	Makoda	245,151								5.71	11.01	17.95	15.08			19.58	5.30	
112	Kano	Minjibir	235,666	0.85	0.85				1.70	0.85			9.34	13.15	5.94	3.39	5.94	19.09	
113	Kano	Nassarawa	657,710					0.15					6.08	2.89	6.54	2.13	1.22	6.84	1.98
114	Kano	Rano	160,318							1.87			3.74			63.62	52.40		
115	Kano	Rimin Gado	115,510						3.46	3.46	2.60	0.87		4.33	1.73	38.09	2.60	25.97	4.33
116	Kano	Rogo	251,041			0.80			2.39		1.99					1.20	1.59	7.17	5.18
117	Kano	Shanono	154,992							2.58	0.65	5.81	0.65		4.52	25.16	7.74	8.39	5.16
118	Kano	Sumalla	279,611													3.58		6.44	
119	Kano	T/Wwada	255,450							0.78	3.91	3.13	6.65	9.00	12.14	16.83		8.61	2.74
120	Kano	Takai	223,484			0.45		0.45								7.16	8.50	9.40	
121	Kano	Tarauni	244,013							0.82	2.87	3.28	2.46	1.64	1.64		13.52	25.82	
122	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	24.13
123	Kano	Tsanyawa	173,811				2.30		1.15	2.30	13.23	9.78	6.90			10.36	7.48	38.55	6.33
124	Kano	Ungogo	407,474							0.25	0.49	0.74	2.21	3.19	7.61	2.45	5.89	8.34	3.19
125	Kano	Warawa	141,962						0.70	4.93	9.16		1.41	3.52	0.70	14.79	29.59		15.50
126	Kano	Wudil	204,134				0.49	0.49	2.94	6.37	6.37		3.43	7.35		20.08	28.41	11.76	3.43
127	Katsina	Bakori	163,222					3.06	3.06	1.23	30.63			51.46	53.91	23.89	30.63	53.30	89.86
128	Katsina	Betagarawa	201,690		0.50			0.50	0.99	1.98	11.40	18.84	23.80	19.83	13.39			27.77	36.19
129	Katsina	Batsari	228,356						6.13	2.19	3.07	31.53	8.76	7.44	6.13	17.95	16.26		
130	Katsina	Baure	215,732								2.78	6.49			0.46	8.81	11.12		
131	Katsina	Bindawa	166,484					1.80		9.61	51.66	25.83	26.43	39.04	52.66	26.43	26.43	4.81	1.80
132	Katsina	Charanchi	150,373					1.33	3.33					43.23	39.90	34.58	47.22	28.80	31.26
133	Katsina	Dandume	159,253						1.26			4.40	9.42	11.36	3.77	21.35	89.07	12.56	6.91
134	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	30.58
135	Katsina	Danmusa	124,233			3.22		8.05	16.10	2.41	1.61	8.85	11.27	19.32	20.93	4.02	25.76		
136	Katsina	Daura	240,095				2.08		0.83	2.08			2.92	1.67	9.58	3.75	5.41	7.50	
137	Katsina	Dutsi	131,152			1.52			1.52				0.76	9.91	9.15		2.29	2.29	
138	Katsina	Dutsinma	185,404					1.08		1.08	3.24	4.85	16.72	31.26	11.87		21.04	32.36	11.87
139	Katsina	Faskari	214,213						1.87	3.73	0.93	4.20	12.14	10.74	17.74	43.41	25.21	50.42	
140	Katsina	Funtua	246,488							2.84		6.09	1.22	11.77	6.49	13.79	36.92	44.22	43.41

Situation Épidémiologique de la méningite du Nigeria 2009/ (3/3)
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	Wk 16 Attack Rate
143	Katsina	Kafur	221,697			0.45	5.86	7.22	4.96	0.45	6.57	16.69	7.67	9.47	16.49	35.99	3.61	80.82	
144	Katsina	Kaita	201,500			1.99			4.47	11.41		48.64	39.21	36.72	22.83	28.29	19.35	27.79	9.43
145	Katsina	Kankara	268,526		0.37					5.21	2.23	14.52	41.34	13.78	29.05	20.85	9.31	23.06	3.72
146	Katsina	Kankia	165,476	0.60		0.60	1.81	3.63	5.44	30.22	9.67	22.96	12.69	54.99	18.73	69.50	16.92	32.63	18.73
147	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	
148	Katsina	Kurfi	128,484		5.45	2.33	10.12	3.89	19.46	35.80		21.79			6.23	1.56		8.56	4.67
149	Katsina	Kusada	108,472					11.68	17.52	8.30	3.89	18.44		9.27	56.24	58.24	32.27	8.45	
150	Katsina	Maiadua	219,833		1.36	3.64					2.27	3.64		5.46	7.28	15.47	5.91	14.10	
151	Katsina	Malunfashi	199,982	1.50				7.50	13.01	18.01	29.02	23.01		53.03	56.03	48.53		61.04	
152	Katsina	Mani	193,376							7.24	3.10	2.07			3.10		12.93		4.65
153	Katsina	Mashi	189,188					3.17				1.59		7.93		6.34	13.74	8.99	7.93
154	Katsina	Metazu	126,019			1.59	6.35		5.55	12.70		15.87	3.97	24.60		68.24	49.99	32.53	
155	Katsina	Musawa	107,637			3.20	4.00	1.60	21.32	10.65		51.16		27.19	62.35	33.04	17.05	9.59	10.13
156	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
157	Katsina	Sabawa	148,688									0.67	16.14	14.80	18.16				
158	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
159	Katsina	Sandamu	150,017	1.33	2.67	7.33	10.00	16.66				35.33	22.66		5.33	3.33			
160	Katsina	Zango	169,092								9.40	20.11		24.84	3.55				
161	Kebbi	Aliero	72,301								4.15	11.06							
162	Kebbi	Arewa	201,681										1.49	2.97	2.48	0.99	1.49	0.99	
163	Kebbi	Birnin Kebbi	294,165									2.04	0.34		4.76	2.72	1.36		
164	Kebbi	Bunza	133,111							4.51		12.77	11.27		6.76	5.26	0.75		
165	Kebbi	Dandi	158,111							2.53							8.22	4.43	2.53
166	Kebbi	Kalgo	93,594										3.21		8.55	3.21			
167	Kebbi	Koko Bese	169,434												2.36			5.31	
168	Kebbi	Maiyama	192,537								0.52				3.64		6.23	1.56	4.67
169	Kebbi	Suru	164,639												9.11				
170	Nasarawa	N/Eggon	162,957									6.14	0.61						
171	Niger	Magama	200,819			1.00	1.00	0.50	2.99		3.96		3.96	4.40	3.49	2.49	5.40		
172	Niger	Mariga	220,471						1.36	1.81	1.81				1.81	1.81	5.44		
173	Plateau	Boldos	193,303	0.52				0.52	0.52	0.52	5.17						2.07	0.52	1.03
174	Plateau	Langtang North	152,345			0.66								14.44	3.28		1.97	0.66	1.97
175	Sokoto	Binji	114,766								6.97	1.74		1.74	13.94	2.61	3.49	0.87	
176	Sokoto	Gudu	104,404									4.79			24.90	6.70	2.87		27.78
177	Sokoto	Gwadabawa	252,811					9.10	14.64	7.52	30.46	4.75	5.54	2.37	4.35				0.79
178	Sokoto	Illela	164,443								24.93	6.69	14.59	4.26	9.12	2.43			12.16
179	Sokoto	Isa	159,651								36.96		3.76				1.66		
180	Sokoto	Kebbe	138,217											27.16	4.40	5.14	3.67		
181	Sokoto	Kwara	146,315						1.37			2.05				5.47		4.10	6.15
182	Sokoto	Sabon Birni	226,849													5.29	6.61		
183	Sokoto	Tambuwal	245,788							5.70	3.25			6.10					
184	Sokoto	Tangaza	124,410									1.61					19.29		11.25
185	Sokoto	Tureta	74,710									2.68	4.02			24.09	24.09		
186	Sokoto	Wamako	196,275											7.13	10.70	1.53			
187	Taraba	K/Lamido	213,361							0.47	7.50	7.97	3.75	7.50	9.37	4.22	1.41	0.94	
188	Yobe	Bade	154,979					1.29					1.29	3.87	4.52	2.58	3.87	11.81	11.81
189	Yobe	Bursari	120,988								16.53	4.13	8.27	2.48	2.48	4.96	12.40	1.65	3.31
190	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	
191	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	
192	Yobe	Fune	333,458					5.40	0.60	2.40	0.90		6.00	3.60	4.20	3.90	3.90	3.90	
193	Yobe	Gujba	144,231					2.08	9.71	15.25	15.25	22.88	15.25	15.25	33.28	42.29	29.81	20.80	
194	Yobe	Gulani	114,763					15.68	42.70	6.97	18.30	6.71	6.10	3.49	6.10	4.36	12.20	3.49	
195	Yobe	Jakusko	253,988						1.97	2.76	1.57	0.39	4.33	18.11	5.12	2.36	7.87	5.91	
196	Yobe	Karasuwa	118,624										20.23	25.29	4.22	5.06		3.37	
197	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
198	Yobe	Nangere	97,371					5.14	1.03	3.08	3.08	14.38			2.05	14.38	26.70	17.46	1.03
199	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	11.96
200	Yobe	Potiskum	228,258						6.13	6.57	11.83	4.38	2.63	9.64	9.20	17.52	14.46	6.32	
201	Yobe	Tarmuwa	85,597										2.34		3.50	3.50	5.84	4.67	
202	Yobe	Yunusari	139,500													0.72		14.34	
203	Zamfara	Anka	156,381								10.23	1.28		6.39	7.03	17.27			
204	Zamfara	Bakura	205,428												15.09				
205	Zamfara	Bukkuyum	232,607			0.43	1.72	1.29	2.58	1.29	9.03	0.86	0.43	10.75					
206	Zamfara	Bungudu	283,478			1.41	3.53	3.53	7.06	7.06	7.06	7.06	3.53	7.41	8.11	7.06	6.35	2.12	
207	Zamfara	Gummi	224,810			2.22	0.44		3.11	2.67			0.44	2.67			24.02		
208	Zamfara	Maradun	231,748														8.20		
209	Zamfara	Maru	320,829	0.94			3.12		3.12	6.23	5.92	3.12	10.91	14.96	4.99	9.97	5.30	2.18	
210	Zamfara	Shirikati	149,092	0.67	1.34				7.38	10.06		1.34	6.71	14.76			20.12	4.70	4.02
211	Zamfara	Talata Mafara	236,503										5.07	0.42	0.42				
212	Zamfara	Tsafe	292,371				1.03						2.39	0.69	1.37	2.39	2.39	8.21	

■ LGAs in Alert: (5.00 ≤ AR < 10.00)

■ LGAs in Epidemic: (AR ≥ 10.00)

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 16, 2009
Map of meningitis attack rates by district at week 16, 2009

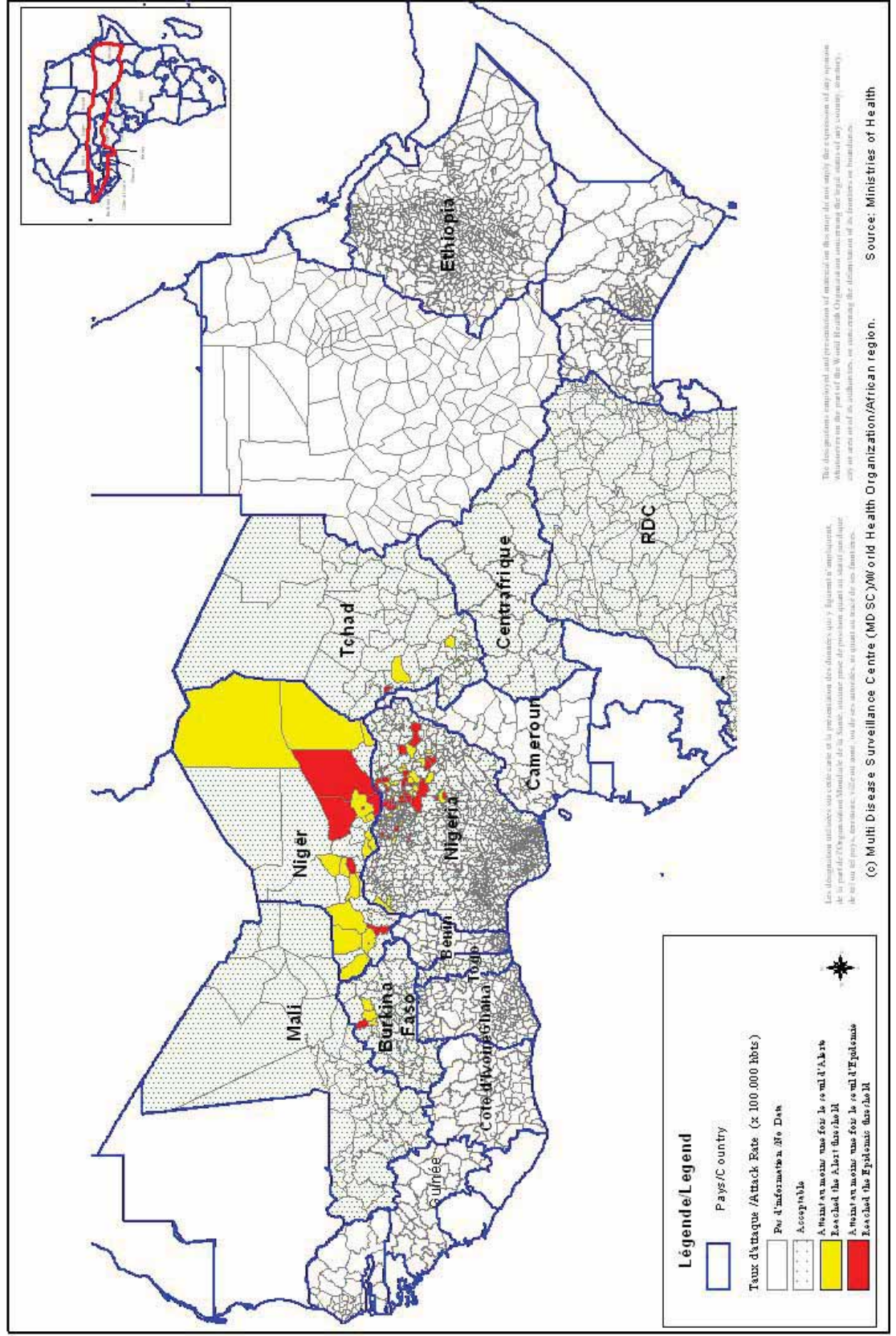
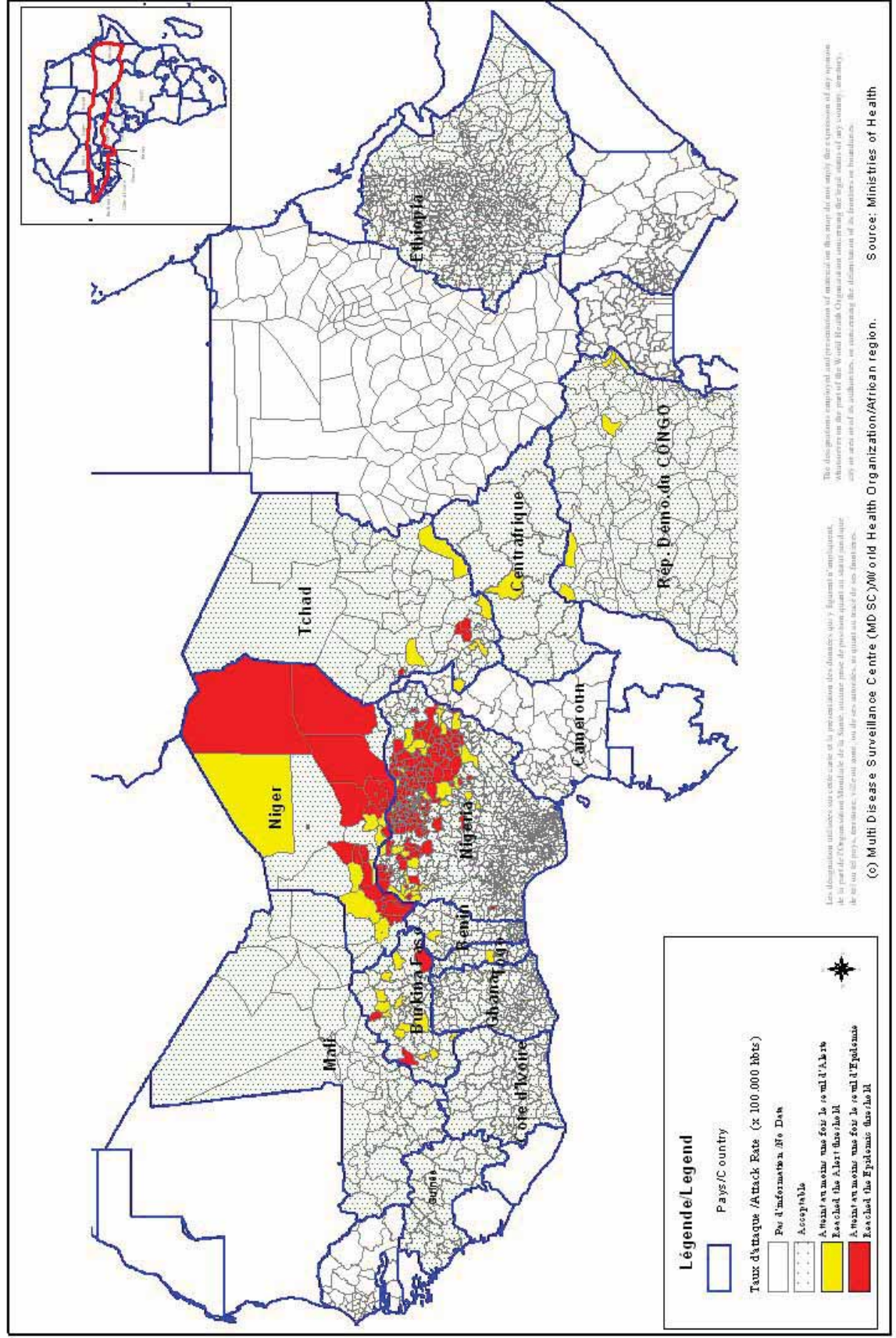


Figure 2 : Cartographie récapitulative des taux d'attaque cumulés de la Méningite, Semaine 01 – 16, 2009
 (Représentation basée sur les taux d'attaque hebdomadaires les plus élevés par district au cours de l'année)
Recapitulative map of cumulative Meningitis attack rates at week 1 - 16, 2009
 (Mapping based on weekly highest attack rates by district during the year)



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)

