Documentation
for the
CH Immunisations
File

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The immunisations data was obtained from the Child Health database.
This database covers the old area of Avon (Bristol, Southmead, Frenchay and
Weston health trusts), and contains data on all children born and/or
residing in Avon at birth, plus any children who move into the area after
birth and use the health facilities. The database is primarily used for the
scheduling and recording of pre-school development checks and immunisations.
Examination and immunisation results are available for any child who had
that check or immunisation within Avon.

Nov, 2001

CH100   No. of diptheria immunisations

CH100 No. of diptheria immunisations

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1490	7.3	7.3	7.3
	1	133	.7	.7	8.0
	2	179	.9	.9	8.8
	3	3244	15.9	15.9	24.8
	4	15255	74.8	74.8	99.6
	5	84	.4	.4	100.0
	Total	20385	100.0	100.0	

CH101   No. of pertussis immunisations

CH101 No. of pertussis immunisations

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1702	8.3	8.3	8.3
	1	196	1.0	1.0	9.3
	2	241	1.2	1.2	10.5
	3	18196	89.3	89.3	99.8
	4	48	.2	.2	100.0
	5	2	.0	.0	100.0
	Total	20385	100.0	100.0	

CH102   No. of tetanus immunisations

CH102 No. of tetanus immunisations

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1482	7.3	7.3	7.3
	1	135	.7	.7	7.9
	2	180	.9	.9	8.8
	3	3245	15.9	15.9	24.7
	4	15261	74.9	74.9	99.6
	5	82	.4	.4	100.0
	Total	20385	100.0	100.0	

CH103 No. of polio immunisations

CH103 No. of polio immunisations

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1483	7.3	7.3	7.3
	1	133	.7	.7	7.9
	2	188	.9	.9	8.8
	3	3245	15.9	15.9	24.8
	4	15235	74.7	74.7	99.5
	5	101	.5	.5	100.0
	Total	20385	100.0	100.0	

CH104 No. of hib immunisations

CH104 No. of hib immunisations

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2447	12.0	12.0	12.0
	1	7211	35.4	35.4	47.4
	2	707	3.5	3.5	50.8
	3	9992	49.0	49.0	99.9
	4	28	.1	.1	100.0
	Total	20385	100.0	100.0	

CH105 Antigens - 1st primary

CH105 Antigens - 1st primary

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 diptheria	1	.0	.0	.0
	2.00 pertussis triple	5	.0	.0	.0
	4.00 tetanus	13	.1	.1	.1
	5.00 dip/tet	283	1.4	1.5	1.6
	7.00 triple	18555	91.0	98.4	100.0
	Total	18857	92.5	100.0	
Missing	-2.00 Not had immunisation	1528	7.5		
Total		20385	100.0		

CH106   Month had first primary

Month had first primary

CH107   Age (days) at first primary
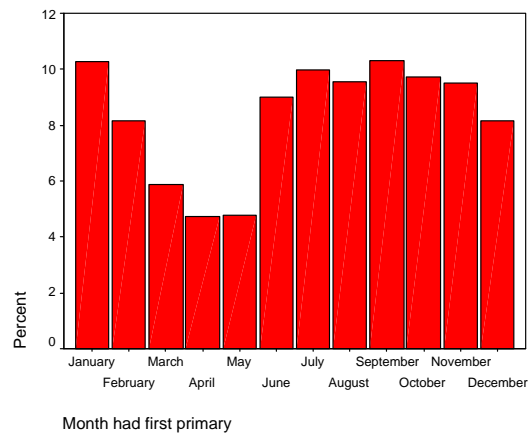
Age (days) at first primary
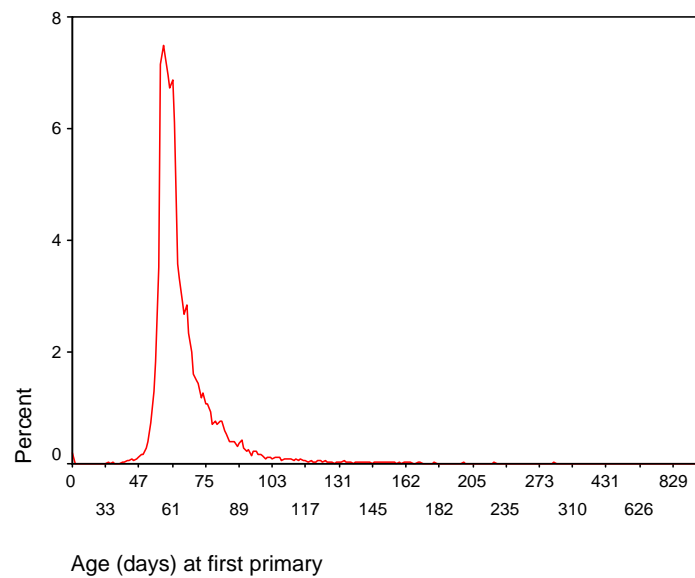
	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH107	18719	1666	67.62	57	0	52.0	58.0	61.0	68.0	110.0	2005

CH108 **Calendar month had- 1st Polio**

calender month had- 1st Polio
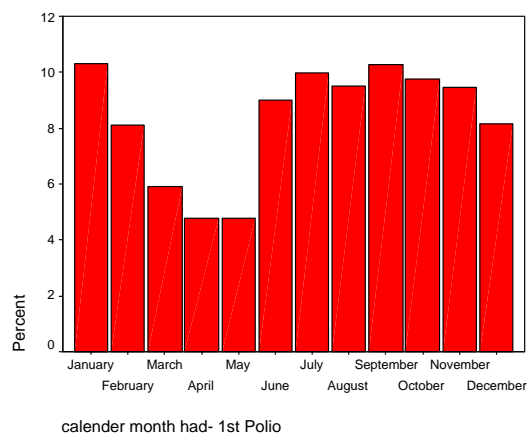
CH109 **Age(days) had- 1st Polio**

age(days) had- 1st Polio
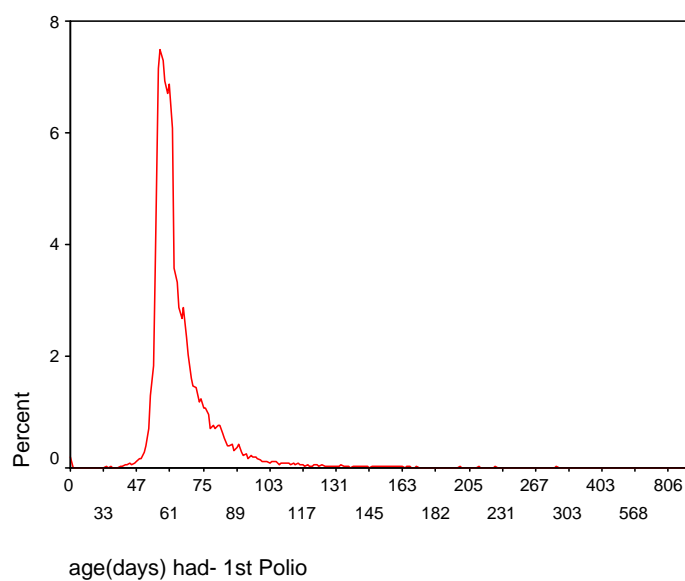
	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH109	18710	1675	67.52	57	0	52.0	58.0	61.0	68.0	110.0	1888

CH110 **Antigens - 2nd primary**

CH110 Antigens - 2nd primary

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 diptheria	1	.0	.0	.0
	2.00 pertussis triple	6	.0	.0	.0
	3.00	1	.0	.0	.0
	4.00 tetanus	10	.0	.1	.1
	5.00 dip/tet	322	1.6	1.7	1.8
	7.00 triple	18416	90.3	98.2	100.0
	Total	18756	92.0	100.0	
Missing	-2.00 Not had immunisation	1629	8.0		
Total		20385	100.0		

CH111   **Calendar month had- 2nd Primary**

calender month had- 2nd Primary
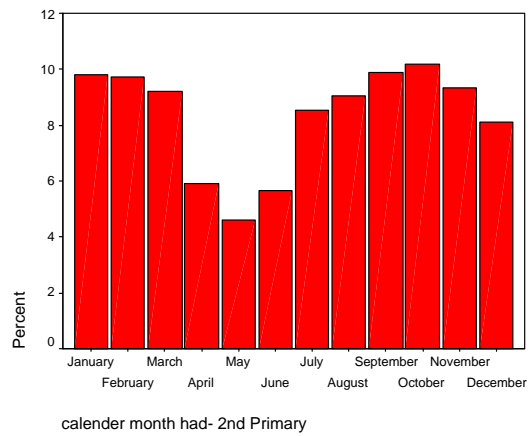
CH112   **Age(days) had- 2nd Primary**

age(days) had- 2nd Primary
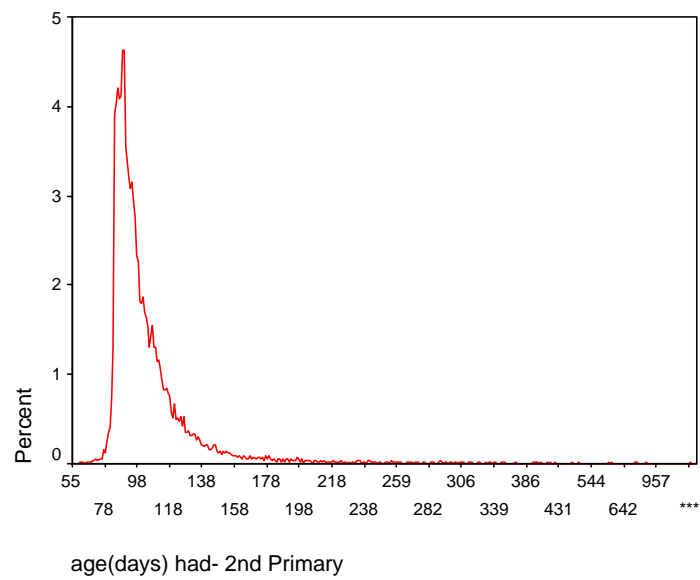
	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH112	18657	1728	108.19	90	55	83.0	89.0	96.0	109.0	199.0	2036

CH113   Calendar month had- 2nd Polio

calender month had- 2nd Polio
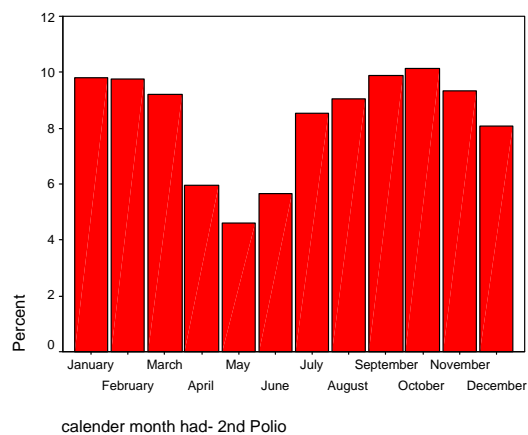
CH114   Age(days) had- 2nd Polio

age(days) had- 2nd Polio
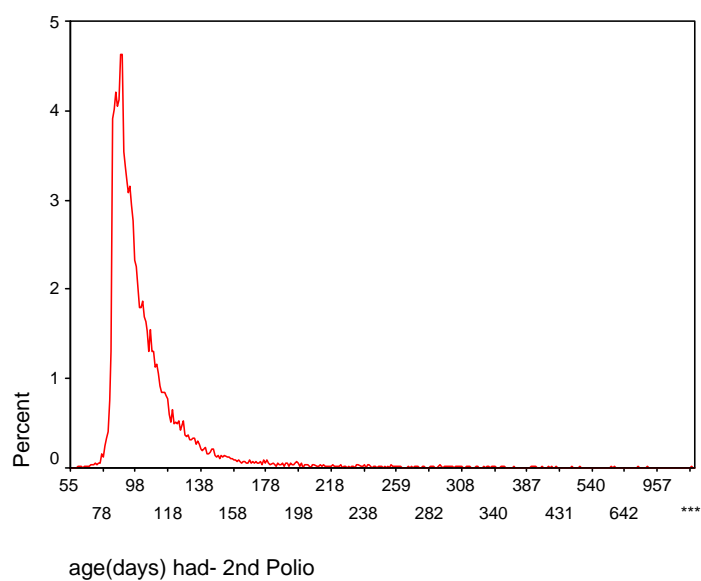
	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH114	18648	1737	108.09	90	55	83.0	89.0	96.0	109.0	200.0	1916

CH115   Antigens - 3rd primary

CH115 Antigens - 3rd primary

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 diptheria	2	.0	.0	.0
	2.00 pertussis triple	12	.1	.1	.1
	3.00	1	.0	.0	.1
	4.00 tetanus	6	.0	.0	.1
	5.00 dip/tet	331	1.6	1.8	1.9
	7.00 triple	18267	89.6	98.1	100.0
	Total	18619	91.3	100.0	
Missing	-2.00 Not had immunisation	1766	8.7		
Total		20385	100.0		

CH116   **Calendar month had- 3rd Primary**

calender month had- 3rd Primary
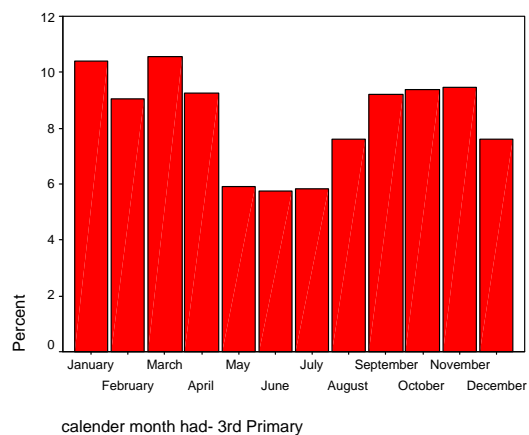
CH117   **Age(days) had- 3rd Primary**

age(days) had- 3rd Primary
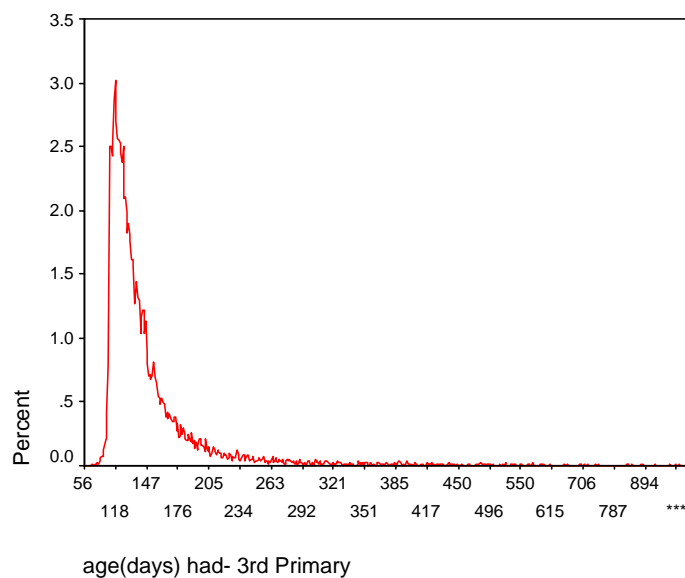
	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH117	18599	1786	154.09	118	56	112.0	120.0	132.0	153.0	357.0	2063

CH118   **Calendar month had- 3rd Polio**

calender month had- 3rd Polio
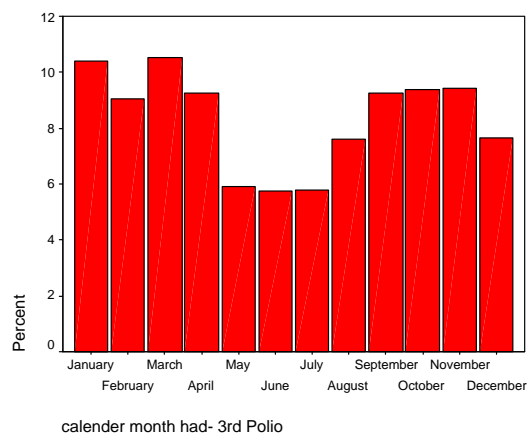
CH119   **Age(days) had- 3rd Polio**

age(days) had- 3rd Polio
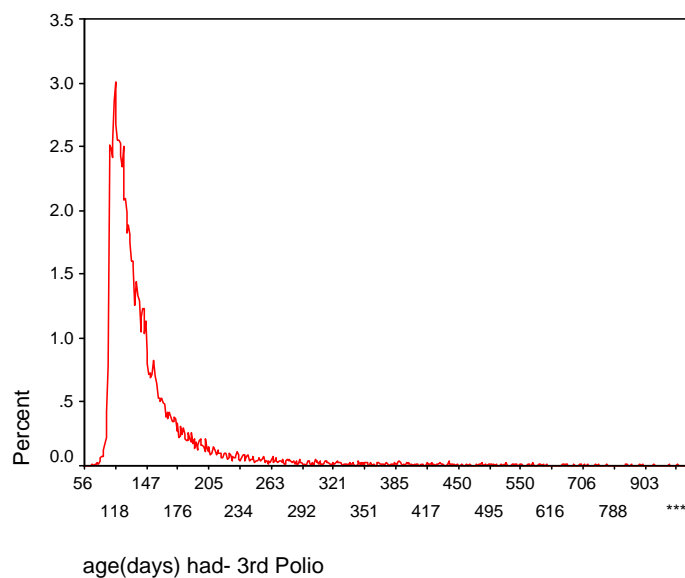
	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH119	18594	1791	154.32	118	56	112.0	120.0	132.0	153.0	360.1	2063

CH120   **Antigens - dip/tet school entry booster**

CH120 Antigens - dip/tet school entry booster

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 diptheria	1	.0	.0	.0
	4.00 tetanus	7	.0	.0	.0
	5.00 dip/tet	16673	81.8	100.0	100.0
	Total	16681	81.8	100.0	
Missing	-2.00 Not had immunisation	3704	18.2		
Total		20385	100.0		

CH121   **Calendar month had- dip/tet school entry booster**
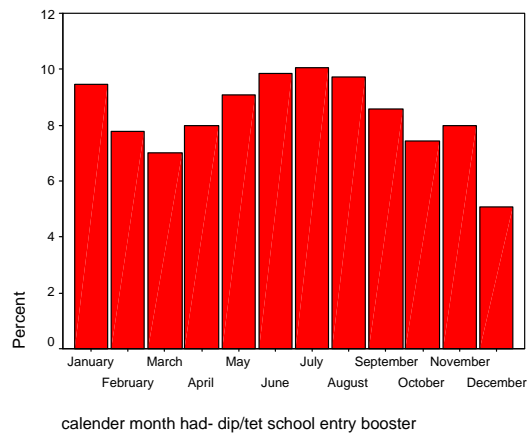
calender month had- dip/tet school entry booster

CH122   **Age(days) had- dip/tet school entry booster**

age(days) had- dip/tet school entry booster
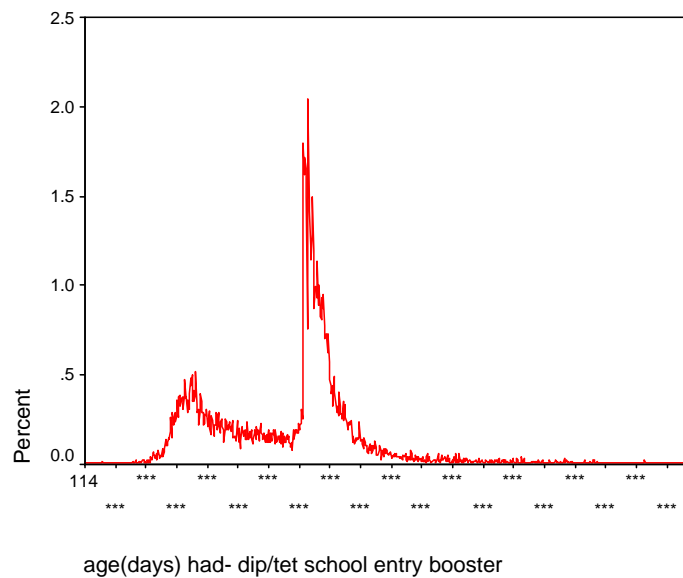
	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH122	16678	3707	1441.98	1462	114	1281.0	1359.0	1461.0	1484.0	1717.0	2297

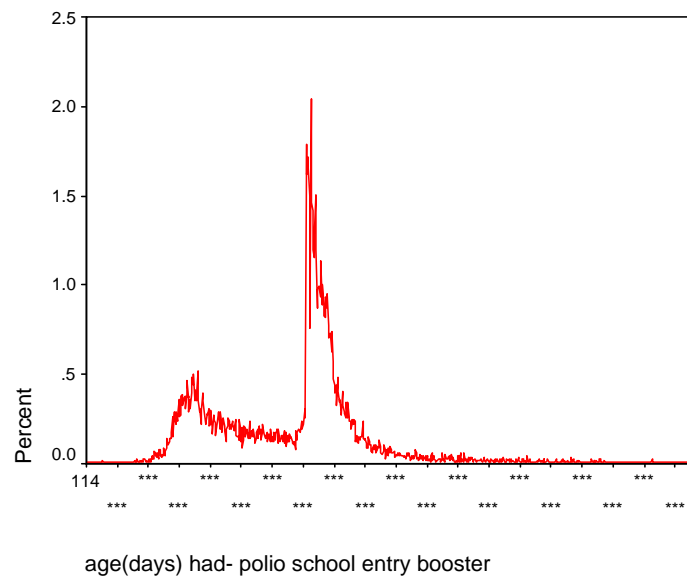**CH123**   **Calendar month had- polio school entry booster**
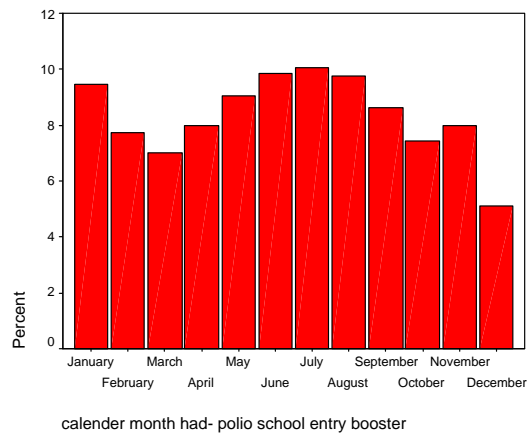
calender month had- polio school entry booster

CH124   **Age(days) had- polio school entry booster**

age(days) had- polio school entry booster

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH124	16673	3712	1442.17	1462	114	1281.0	1359.0	1461.0	1484.0	1717.0	2297

CH125   **Calendar month had- dip/tet school leave booster**

calender month had- dip/tet school leave booster

CH126   **Age(days) had- dip/tet school leave booster**

CH126 age(days) had- dip/tet school leave booster

		Frequency	Percent	Valid Percent
Valid	1313	1	.0	20.0
	1459	1	.0	20.0
	1472	1	.0	20.0
	1497	1	.0	20.0
	1512	1	.0	20.0
	Total	5	.0	100.0
Missing	-2 not had vacc.	20380	100.0	
Total		20385	100.0	

CH127   **Calendar month had- polio school leave booster**

calender month had- polio school leave booster

CH128   **Age(days) had- polio school leave booster**

CH128 age(days) had- polio school leave booster

		Frequency	Percent	Valid Percent
Valid	1313	1	.0	20.0
	1459	1	.0	20.0
	1472	1	.0	20.0
	1497	1	.0	20.0
	1512	1	.0	20.0
	Total	5	.0	100.0
Missing	-2 not had vacc.	20380	100.0	
Total		20385	100.0	

CH129   Calendar month had- Tet booster 1

calender month had- Tet booster 1
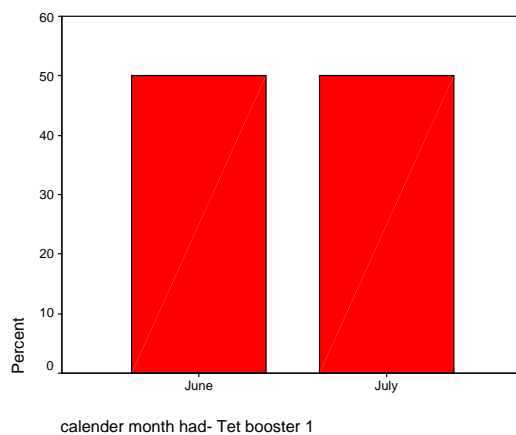
CH130   Age(days) had- Tet booster 1

CH130 age(days) had- Tet booster 1

		Frequency	Percent	Valid Percent
Valid	1413	1	.0	100.0
Missing	-2 not had vacc.	20383	100.0	
	-1 date missing/unusable	1	.0	
	Total	20384	100.0	
Total		20385	100.0	

CH131   Calendar month had- Rubella

calender month had- Rubella
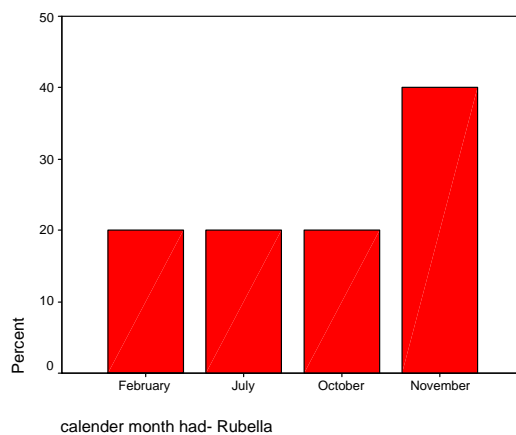
CH132   Age(days) had- Rubella

CH132 age(days) had- Rubella

		Frequency	Percent	Valid Percent
Valid	141	1	.0	20.0
	434	1	.0	20.0
	464	1	.0	20.0
	695	1	.0	20.0
	1865	1	.0	20.0
	Total	5	.0	100.0
Missing	-2 not had vacc.	20380	100.0	
Total		20385	100.0	

CH133   Calendar month had- Sup. rubella

CH133 calender month had- Sup. rubella

		Frequency	Percent	Valid Percent
Valid	3 March	1	.0	100.0
Missing	-2 not had vacc.	20384	100.0	
Total		20385	100.0	

CH134   Age(days) had- Sup. rubella

CH134 age(days) had- Sup. rubella

		Frequency	Percent	Valid Percent
Valid	688	1	.0	100.0
Missing	-2 not had vacc.	20384	100.0	
Total		20385	100.0	

CH135   **Calendar month had- Add. Pertussis**

CH135 calender month had- Add. Pertussis

		Frequency	Percent	Valid Percent
Valid	11 November	2	.0	100.0
Missing	-2 not had vacc.	20383	100.0	
Total		20385	100.0	

CH136   **Age(days) had- Add. Pertussis**

CH136 age(days) had- Add. Pertussis

		Frequency	Percent	Valid Percent
Valid	158	1	.0	50.0
	168	1	.0	50.0
	Total	2	.0	100.0
Missing	-2 not had vacc.	20383	100.0	
Total		20385	100.0	

CH137   **Antigens - 4th triple**

CH137 Antigens - 4th triple

		Frequency	Percent	Valid Percent
Valid	1.00 diptheria	1	.0	5.3
	5.00 dip/tet	3	.0	15.8
	7.00 triple	15	.1	78.9
	Total	19	.1	100.0
Missing	-2.00 Not had immunisation	20366	99.9	
Total		20385	100.0	

CH138 **Calendar month had- 4th Triple**

calender month had- 4th Triple
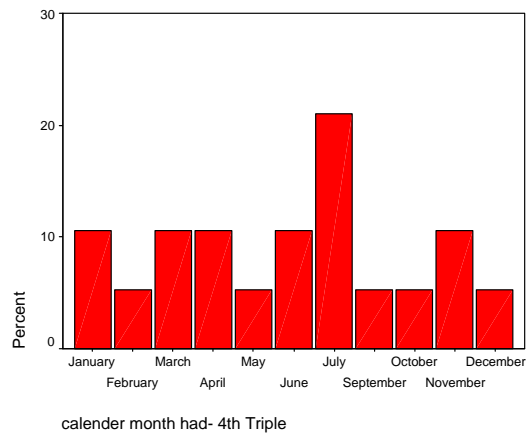
CH139 **Age(days) had- 4th Triple**

CH139 age(days) had- 4th Triple

		Frequency	Percent	Valid Percent
Valid	165	1	.0	5.3
	181	1	.0	5.3
	183	1	.0	5.3
	304	1	.0	5.3
	435	1	.0	5.3
	442	1	.0	5.3
	446	1	.0	5.3
	500	1	.0	5.3
	551	1	.0	5.3
	576	1	.0	5.3
	663	1	.0	5.3
	668	1	.0	5.3
	702	1	.0	5.3
	728	1	.0	5.3
	783	1	.0	5.3
	910	1	.0	5.3
	1157	1	.0	5.3
	1429	1	.0	5.3
	1608	1	.0	5.3
	Total	19	.1	100.0
Missing	-2 not had vacc.	20366	99.9	
Total		20385	100.0	

CH140   **Calendar month had- 4th Polio**

calender month had- 4th Polio
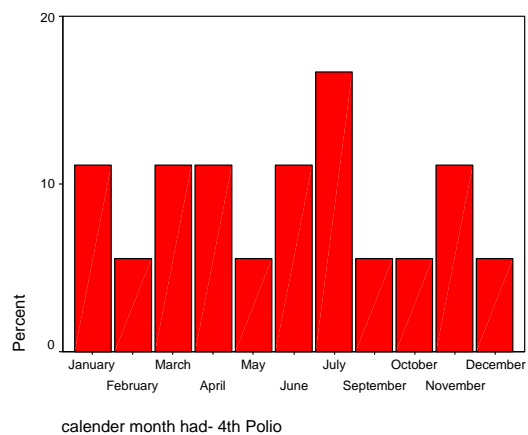
CH141   **Age(days) had- 4th Polio**

CH141 age(days) had- 4th Polio

		Frequency	Percent	Valid Percent
Valid	165	1	.0	5.6
	181	1	.0	5.6
	183	1	.0	5.6
	304	1	.0	5.6
	435	1	.0	5.6
	442	1	.0	5.6
	446	1	.0	5.6
	500	1	.0	5.6
	551	1	.0	5.6
	576	1	.0	5.6
	663	1	.0	5.6
	668	1	.0	5.6
	702	1	.0	5.6
	728	1	.0	5.6
	783	1	.0	5.6
	910	1	.0	5.6
	1157	1	.0	5.6
	1608	1	.0	5.6
	Total	18	.1	100.0
Missing	-2 not had vacc.	20367	99.9	
Total		20385	100.0	

CH142   **Calendar month had- Hib 1**

calender month had- Hib 1
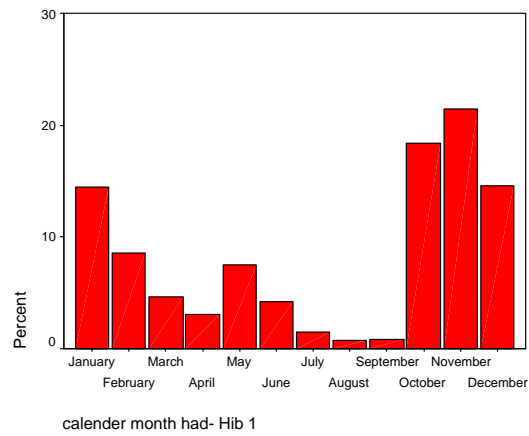
CH143   **Age(days) had- Hib 1**
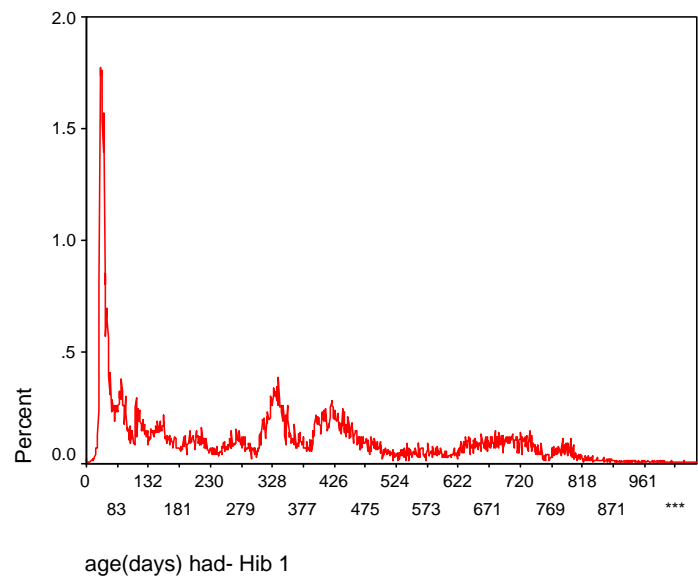
age(days) had- Hib 1

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH143	17891	2494	329.51	56	0	56.0	94.0	322.0	466.0	799.0	1464

CH144   **Calendar month had- Hib 2**

calender month had- Hib 2
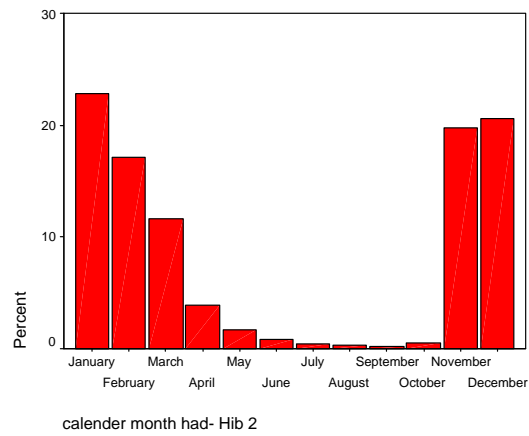
CH145   **Age(days) had- Hib 2**
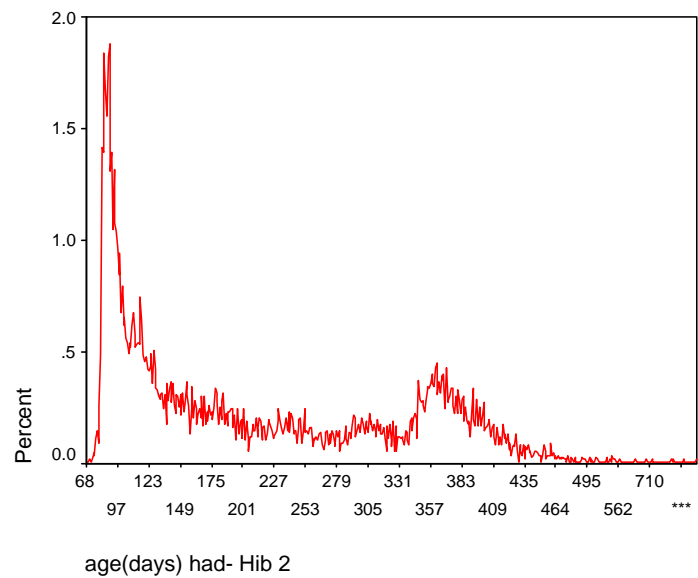
age(days) had- Hib 2

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH145	10679	9706	214.58	90	68	84.0	103.0	170.0	326.0	440.0	1587

CH146   **Calendar month had- Hib 3**

calender month had- Hib 3
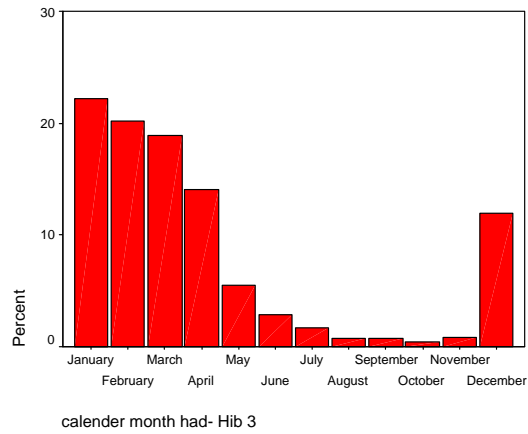
CH147   **Age(days) had- Hib 3**
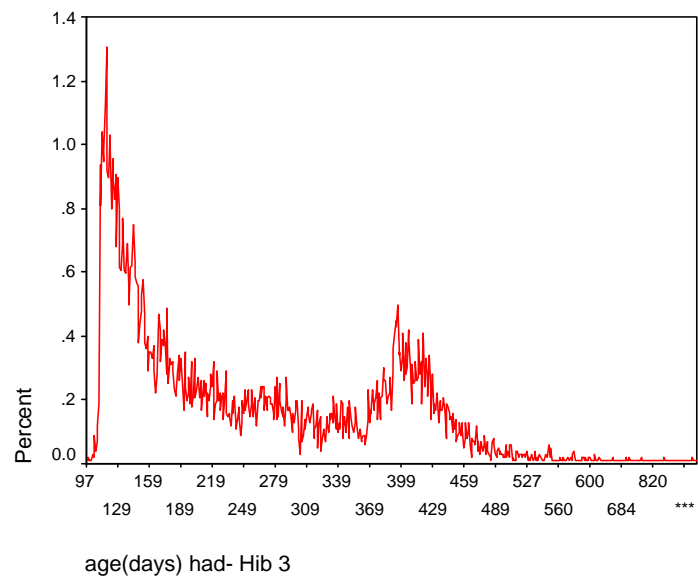
age(days) had- Hib 3

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH147	10265	10120	256.45	118	97	114.0	141.0	215.0	374.0	505.0	1929

CH150   **Calendar month had- MMR 25**

calender month had- MMR 25
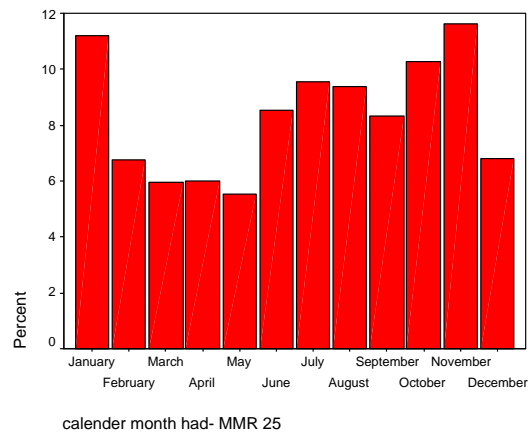
CH151   **Age(days) had- MMR 25**
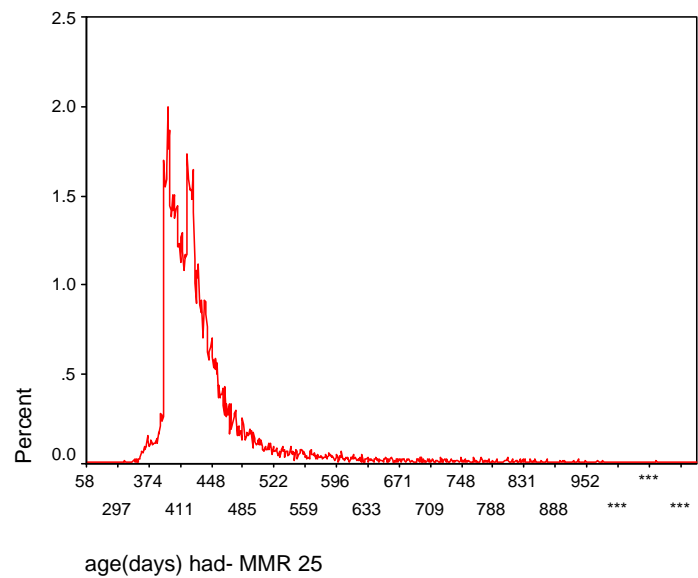
age(days) had- MMR 25

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH151	17969	2416	449.94	396	58	383.0	404.0	424.0	451.0	751.8	2132

CH152   Calendar month had- MMR 26

calender month had- MMR 26
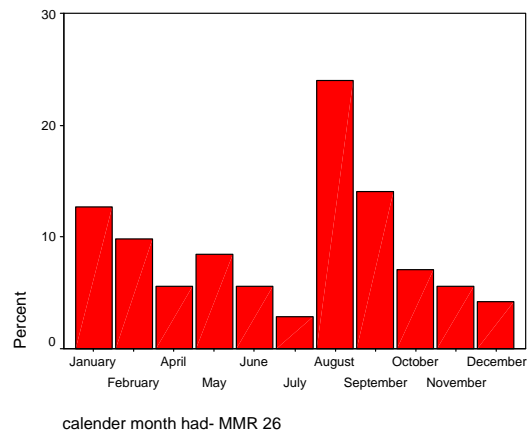
CH153   Age(days) had- MMR 26
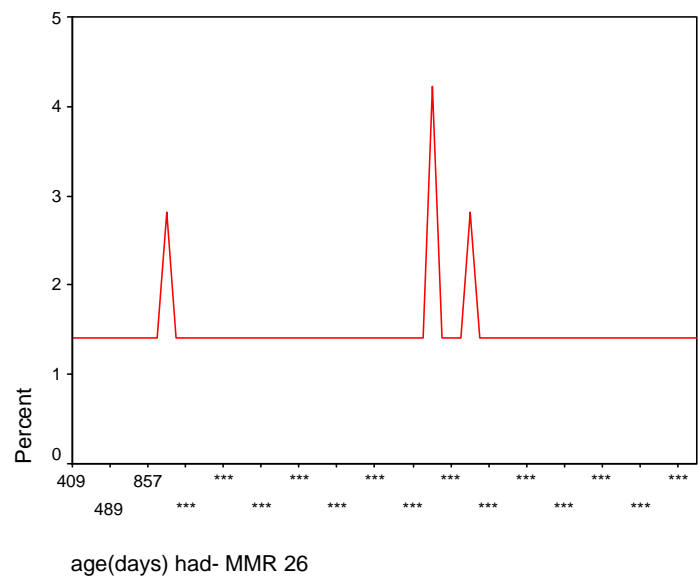
age(days) had- MMR 26

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH153	71	20314	1378.79	1481	409	413.8	1303.0	1463.0	1523.0	2039.4	2133

CH154   **Calendar month had- Add. MMR**

calender month had- Add. MMR
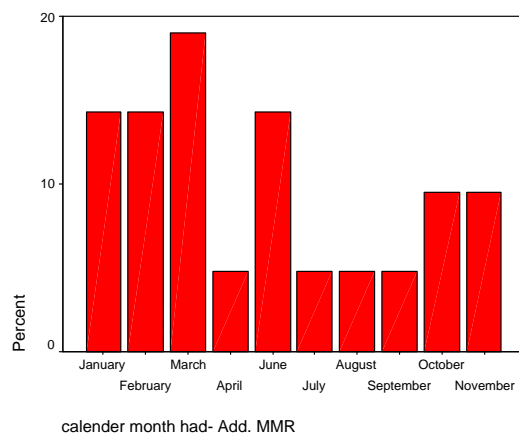
CH155   **Age(days) had- Add. MMR**

CH155 age(days) had- Add. MMR

		Frequency	Percent	Valid Percent
Valid	406	1	.0	4.8
	416	1	.0	4.8
	421	1	.0	4.8
	436	1	.0	4.8
	451	1	.0	4.8
	459	1	.0	4.8
	466	1	.0	4.8
	513	1	.0	4.8
	535	1	.0	4.8
	540	1	.0	4.8
	541	1	.0	4.8
	601	1	.0	4.8
	605	1	.0	4.8
	607	1	.0	4.8
	687	1	.0	4.8
	832	1	.0	4.8
	872	1	.0	4.8
	1296	1	.0	4.8
	1938	1	.0	4.8
	2031	1	.0	4.8
	2266	1	.0	4.8
	Total	21	.1	100.0
Missing	-2 not had vacc.	20364	99.9	
Total		20385	100.0	

CH156   **Calendar month had- MR (measles/rubella)**

calender month had- MR (measles/rubella)
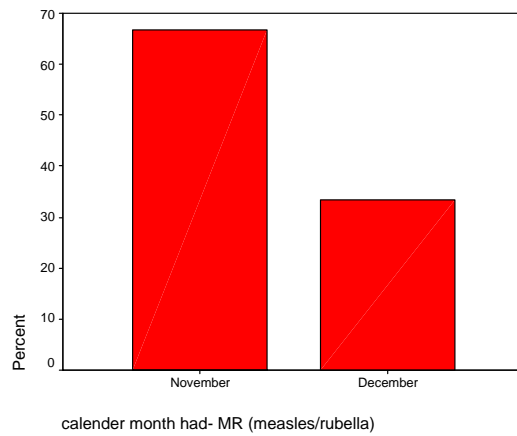
CH157   **Age(days) had- MR (measles/rubella)**

CH157 age(days) had- MR (measles/rubella)
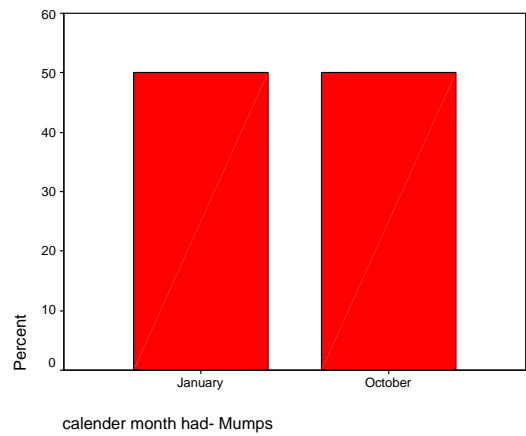
		Frequency	Percent	Valid Percent
Valid	1246	1	.0	33.3
	1300	1	.0	33.3
	1317	1	.0	33.3
	Total	3	.0	100.0
Missing	-2 not had vacc.	20382	100.0	
Total		20385	100.0	

CH158   **Calendar month had- MMR2**

calender month had- MMR2
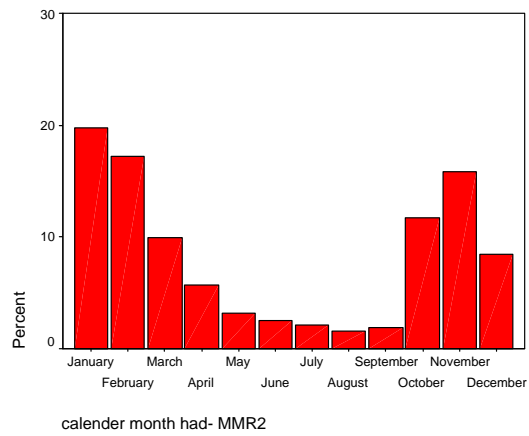
CH159   **Age(days) had- MMR2**
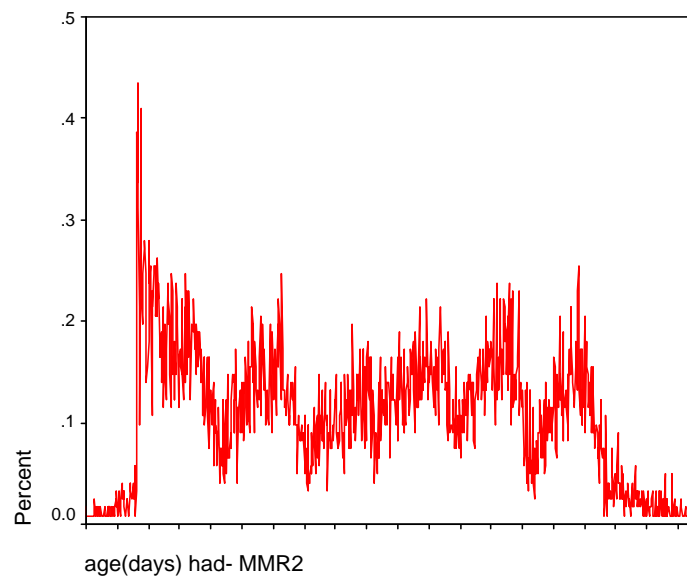
age(days) had- MMR2

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH159	12173	8212	1804.49	1458	1153	1459.0	1593.0	1811.0	2002.0	2194.0	2420

CH160   **Calendar month had- Mumps**

calender month had- Mumps

CH161   **Age(days) had- Mumps**

CH161 age(days) had- Mumps

		Frequency	Percent	Valid Percent
Valid	596	1	.0	50.0
	1497	1	.0	50.0
	Total	2	.0	100.0
Missing	-2 not had vacc.	20383	100.0	
Total		20385	100.0	

CH170   **Calendar month had- Hepatitis B**

calender month had- Hepatitis B
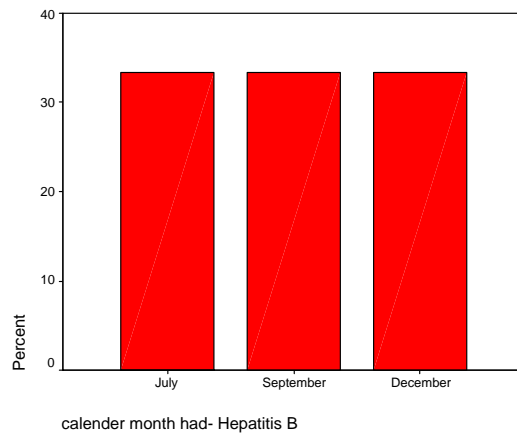
CH171   **Age(days) had- Hepatitis B**

CH171 age(days) had- Hepatitis B

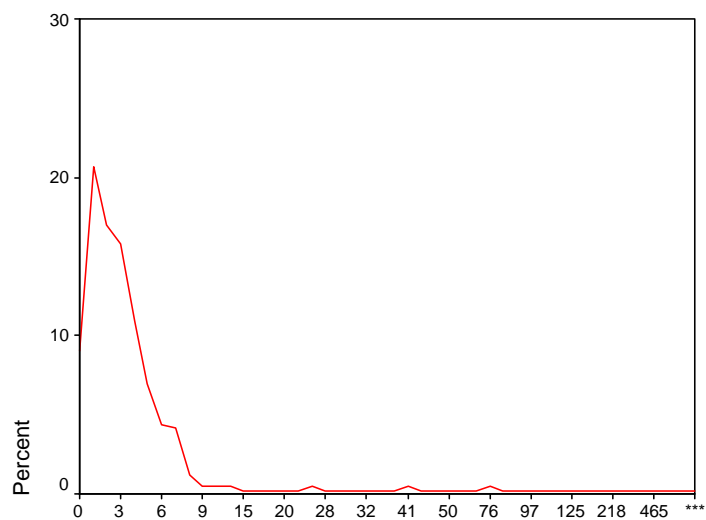|		Frequency	Percent	Valid Percent
Valid	47	1	.0	33.3
	81	1	.0	33.3
	1402	1	.0	33.3
	Total	3	.0	100.0
Missing	-2 not had vacc.	20382	100.0	
Total		20385	100.0	

CH180   **Calendar month had- Infant BCG**

calender month had- Infant BCG

CH181   **Age(days) had- Infant BCG**

age(days) had- Infant BCG

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH181	431	19954	19.73	1	0	0.0	1.0	3.0	5.0	112.2	2031

CH182　　　**Calendar month had- Heaf test**

calender month had- Heaf test
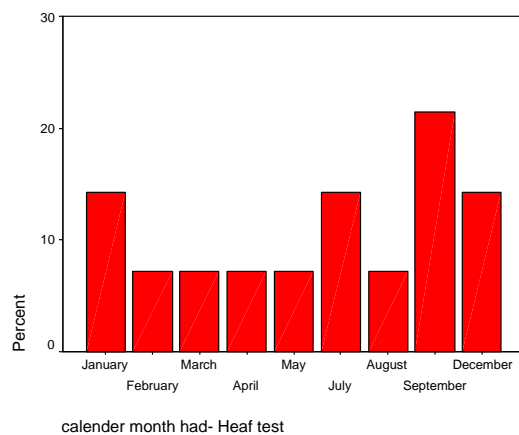
CH183　　　**Age(days) had- Heaf test**

CH183 age(days) had- Heaf test

		Frequency	Percent	Valid Percent
Valid	70	1	.0	7.1
	72	1	.0	7.1
	95	1	.0	7.1
	108	1	.0	7.1
	118	1	.0	7.1
	122	1	.0	7.1
	123	1	.0	7.1
	204	1	.0	7.1
	221	1	.0	7.1
	227	1	.0	7.1
	455	1	.0	7.1
	1963	1	.0	7.1
	2031	1	.0	7.1
	2036	1	.0	7.1
	Total	14	.1	100.0
Missing	-2 not had vacc.	20371	99.9	
Total		20385	100.0	

CH184　　　**Antigens - heaf test**

CH184 Antigens - heaf test

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 H1 result 1 pos	1	.0	7.1	7.1
	5.00 H5 result 5 neg	13	.1	92.9	100.0
	Total	14	.1	100.0	
Missing	-2.00 Not had immunisation	20371	99.9		
Total		20385	100.0		

CH185   **Calendar month had- BCG 1**

calender month had- BCG 1
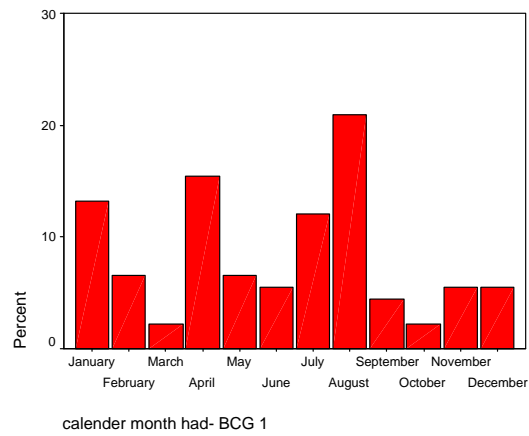
CH186   **Age(days) had- BCG 1**
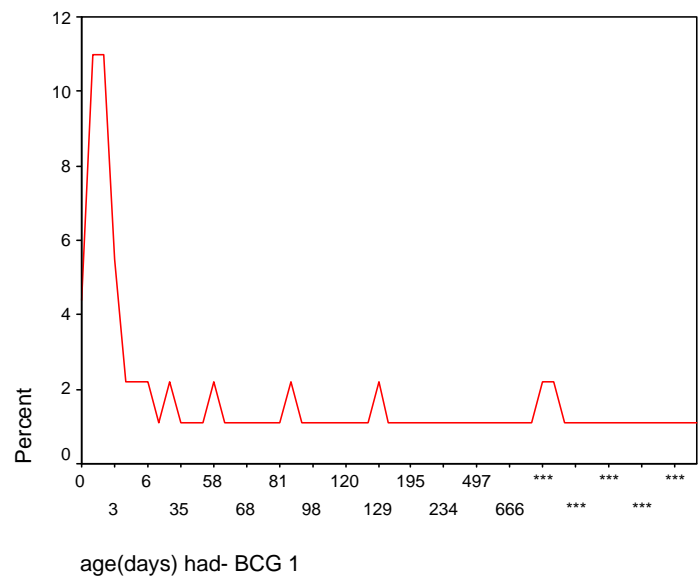
age(days) had- BCG 1

	Valid N	Missing N	Mean	Mode	Min	2.5%	25%	50% (Median)	75%	97.5%	Max
CH186	91	20294	396.53	1	0	0.0	2.0	68.0	497.0	2064.1	2086

CH187   Calendar month had- BCG 2

calender month had- BCG 2
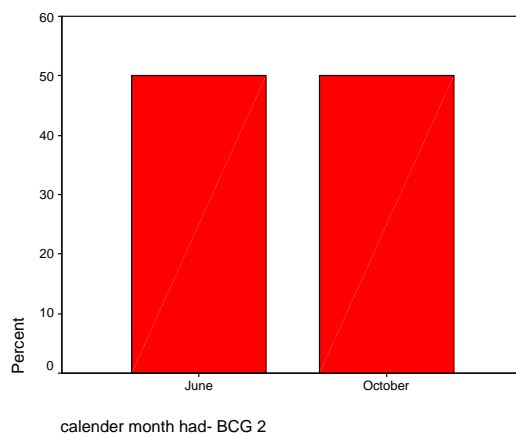
CH188 Age(days) had- BCG 2

CH188 age(days) had- BCG 2

		Frequency	Percent	Valid Percent
Valid	215	1	.0	50.0
	717	1	.0	50.0
	Total	2	.0	100.0
Missing	-2 not had vacc.	20383	100.0	
Total		20385	100.0	