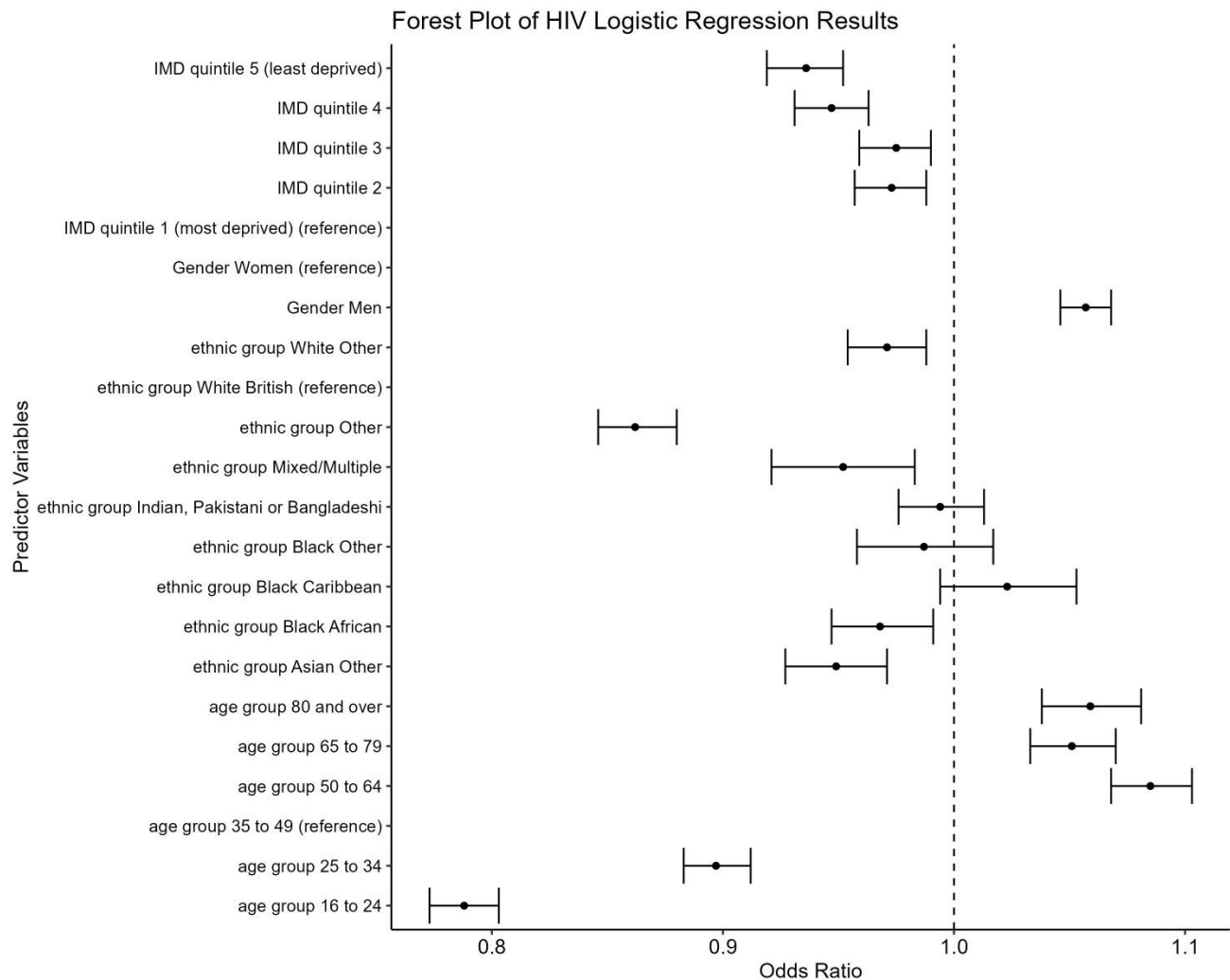# Univariable Analysis (HIV)

Variable	Subgroup	No	Yes	No_Percent	Yes_Percent	Chi2	p_value_univariable	Odds_Ratio	Reference_Group
age_group	35 to 49	60871	104707	36.8	63.2	791.106	0	1.000	age_group 35 to 49 (reference)
age_group	16 to 24	33951	50686	40.1	59.9	791.106	0	0.868	age_group 35 to 49 (reference)
age_group	25 to 34	49101	79008	38.3	61.7	791.106	0	0.935	age_group 35 to 49 (reference)
age_group	50 to 64	53557	98883	35.1	64.9	791.106	0	1.073	age_group 35 to 49 (reference)
age_group	65 to 79	41636	75389	35.6	64.4	791.106	0	1.053	age_group 35 to 49 (reference)
age_group	80 and over	27786	48870	36.2	63.8	791.106	0	1.022	age_group 35 to 49 (reference)
Gender	Women	150284	253024	37.3	62.7	69.188	0	1.000	Gender Women (reference)
Gender	Men	116618	204519	36.3	63.7	69.188	0	1.042	Gender Women (reference)
ethnic_group	White British	100163	205682	32.7	67.3	5039.426	0	1.000	ethnic_group White British (reference)
ethnic_group	Asian Other	19008	26590	41.7	58.3	5039.426	0	0.681	ethnic_group White British (reference)
ethnic_group	Black African	17179	29594	36.7	63.3	5039.426	0	0.839	ethnic_group White British (reference)
ethnic_group	Black Caribbean	9969	17593	36.2	63.8	5039.426	0	0.859	ethnic_group White British (reference)
ethnic_group	Black Other	8528	15080	36.1	63.9	5039.426	0	0.861	ethnic_group White British (reference)
ethnic_group	Indian, Pakistani or Bangladeshi	37660	52984	41.5	58.5	5039.426	0	0.685	ethnic_group White British (reference)
ethnic_group	Mixed/Multiple	7082	13122	35.1	64.9	5039.426	0	0.902	ethnic_group White British (reference)
ethnic_group	Other	30596	40142	43.3	56.7	5039.426	0	0.639	ethnic_group White British (reference)
ethnic_group	White Other	36717	56756	39.3	60.7	5039.426	0	0.753	ethnic_group White British (reference)
IMD	1	64251	110144	36.8	63.2	177.938	0	1.000	IMD 1 (reference)
IMD	2	59698	101586	37.0	63.0	177.938	0	0.993	IMD 1 (reference)
IMD	3	52224	94477	35.6	64.4	177.938	0	1.055	IMD 1 (reference)
IMD	4	49309	84133	37.0	63.0	177.938	0	0.995	IMD 1 (reference)
IMD	5	41420	67203	38.1	61.9	177.938	0	0.946	IMD 1 (reference)
Site	RQM91	10535	41430	20.3	79.7	136650.658	0	1.000	Site RQM91 (reference)
Site	E0A3H	13202	32025	29.2	70.8	136650.658	0	0.617	Site RQM91 (reference)
Site	R0A02	9042	40732	18.2	81.8	136650.658	0	1.145	Site RQM91 (reference)
Site	R0A07	12594	49476	20.3	79.7	136650.658	0	0.999	Site RQM91 (reference)
Site	R0A66	7869	30701	20.4	79.6	136650.658	0	0.992	Site RQM91 (reference)
Site	R1H12	20251	27221	42.7	57.3	136650.658	0	0.342	Site RQM91 (reference)
Site	R1HKH	39951	12964	75.5	24.5	136650.658	0	0.083	Site RQM91 (reference)
Site	R1HNH	22583	32384	41.1	58.9	136650.658	0	0.365	Site RQM91 (reference)
Site	RAS01	35732	1197	96.8	3.2	136650.658	0	0.009	Site RQM91 (reference)
Site	RJ122	11700	25703	31.3	68.7	136650.658	0	0.559	Site RQM91 (reference)
Site	RJ224	12074	39477	23.4	76.6	136650.658	0	0.831	Site RQM91 (reference)
Site	RJ231	20267	40883	33.1	66.9	136650.658	0	0.513	Site RQM91 (reference)
Site	RQXM1	17201	31972	35.0	65.0	136650.658	0	0.473	Site RQM91 (reference)
Site	RYJ01	21958	19181	53.4	46.6	136650.658	0	0.222	Site RQM91 (reference)
Site	RYJ02	11943	32197	27.1	72.9	136650.658	0	0.686	Site RQM91 (reference)

Multivariable Analysis (HIV)

term	OR	CI_lower	CI_upper	p.value_multivariable
age group 35 to 49 (reference)	NA	NA	NA	NA
Gender Women (reference)	NA	NA	NA	NA
ethnic group White British (reference)	NA	NA	NA	NA
IMD quintile 1 (most deprived) (reference)	NA	NA	NA	NA
SiteRQM91 (reference)	NA	NA	NA	NA
age_group16 to 24	0.788	0.773	0.803	0.000
age_group25 to 34	0.897	0.883	0.912	0.000
age_group50 to 64	1.085	1.068	1.103	0.000
age_group65 to 79	1.051	1.033	1.070	0.000
age_group80 and over	1.059	1.038	1.081	0.000
GenderMen	1.057	1.046	1.068	0.000
ethnic_groupAsian Other	0.949	0.927	0.971	0.000
ethnic_groupBlack African	0.968	0.947	0.991	0.006
ethnic_groupBlack Caribbean	1.023	0.994	1.053	0.121
ethnic_groupBlack Other	0.987	0.958	1.017	0.395
ethnic_groupIndian, Pakistani or Bangladeshi	0.994	0.976	1.013	0.520
ethnic_groupMixed/Multiple	0.952	0.921	0.983	0.003
ethnic_groupOther	0.862	0.846	0.880	0.000
ethnic_groupWhite Other	0.971	0.954	0.988	0.001
IMD2	0.973	0.957	0.988	0.000
IMD3	0.975	0.959	0.990	0.002
IMD4	0.947	0.931	0.963	0.000
IMD5	0.936	0.919	0.952	0.000
SiteE0A3H	0.600	0.582	0.618	0.000
SiteR0A02	1.174	1.137	1.211	0.000
SiteR0A07	0.985	0.957	1.015	0.320
SiteR0A66	0.982	0.950	1.015	0.276
SiteR1H12	0.344	0.334	0.353	0.000
SiteR1HKH	0.081	0.079	0.084	0.000
SiteR1HNH	0.370	0.360	0.381	0.000
SiteRAS01	0.008	0.008	0.009	0.000
SiteRJ122	0.563	0.546	0.581	0.000
SiteRJ224	0.838	0.813	0.864	0.000
SiteRJ231	0.511	0.497	0.525	0.000
SiteRQXM1	0.482	0.469	0.496	0.000
SiteRYJ01	0.231	0.224	0.238	0.000
SiteRYJ02	0.694	0.673	0.715	0.000

Forest Plot of HIV Logistic Regression Result

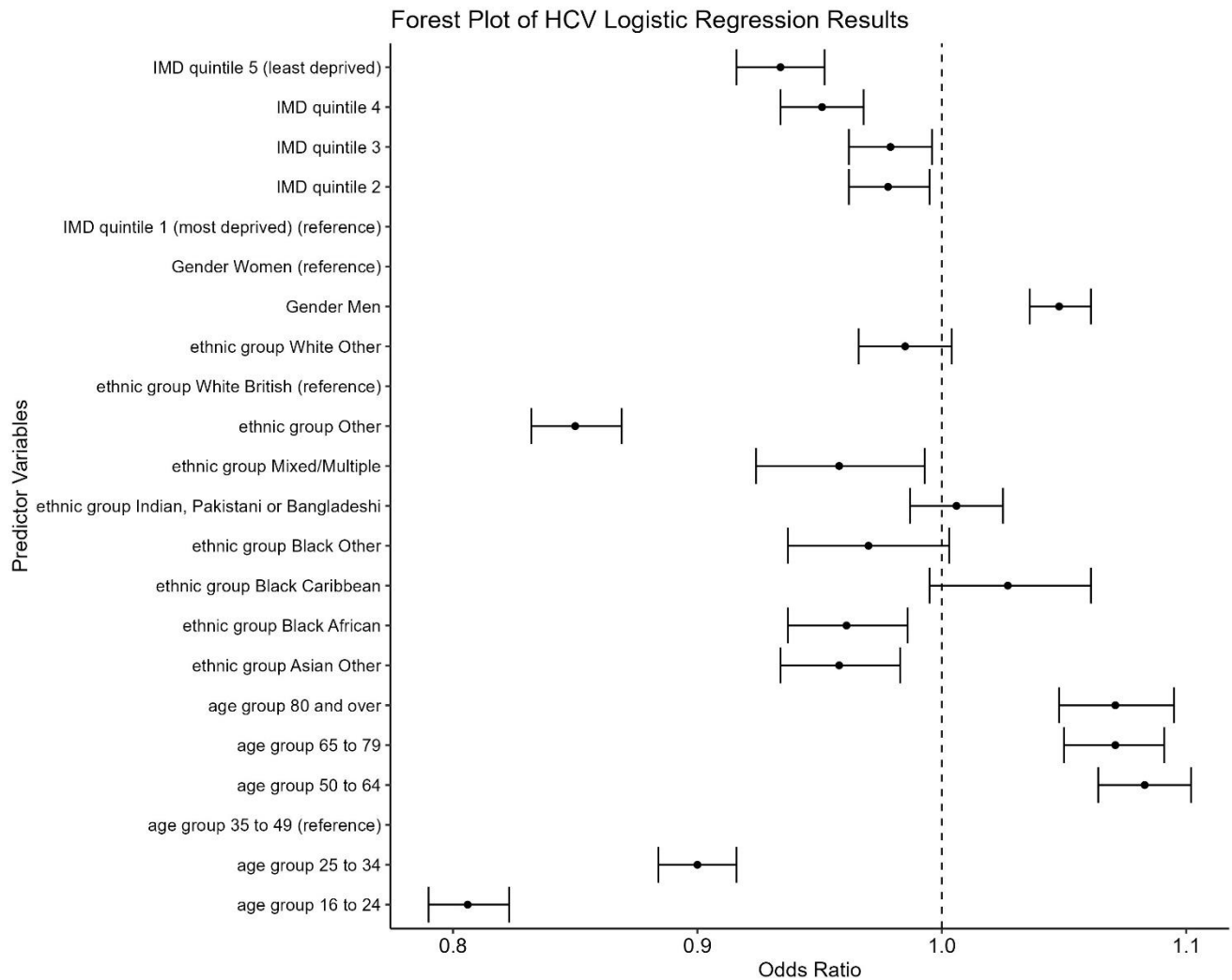Forest Plot of HIV Logistic Regression Results

Univariable Analysis (HCV)

Variable	Subgroup	No	Yes	No_Percent	Yes_Percent	Chi2	p_value_univariable	Odds_Ratio	Reference_Group
age_group	35 to 49	54045	88100	38.0	62.0	577.406	0	1.000	age_group 35 to 49 (reference)
age_group	16 to 24	29084	42456	40.7	59.3	577.406	0	0.895	age_group 35 to 49 (reference)
age_group	25 to 34	42951	66002	39.4	60.6	577.406	0	0.943	age_group 35 to 49 (reference)
age_group	50 to 64	47691	83176	36.4	63.6	577.406	0	1.070	age_group 35 to 49 (reference)
age_group	65 to 79	36795	64511	36.3	63.7	577.406	0	1.076	age_group 35 to 49 (reference)
age_group	80 and over	24669	41690	37.2	62.8	577.406	0	1.037	age_group 35 to 49 (reference)
Gender	Women	131829	213577	38.2	61.8	29.123	0	1.000	Gender Women (reference)
Gender	Men	103406	172358	37.5	62.5	29.123	0	1.029	Gender Women (reference)
ethnic_group	White British	85644	172043	33.2	66.8	4971.595	0	1.000	ethnic_group White British (reference)
ethnic_group	Asian Other	17526	23046	43.2	56.8	4971.595	0	0.655	ethnic_group White British (reference)
ethnic_group	Black African	14931	24261	38.1	61.9	4971.595	0	0.809	ethnic_group White British (reference)
ethnic_group	Black Caribbean	8476	13906	37.9	62.1	4971.595	0	0.817	ethnic_group White British (reference)
ethnic_group	Black Other	7089	11654	37.8	62.2	4971.595	0	0.818	ethnic_group White British (reference)
ethnic_group	Indian, Pakistani or Bangladeshi	37261	50272	42.6	57.4	4971.595	0	0.672	ethnic_group White British (reference)
ethnic_group	Mixed/Multiple	6024	10850	35.7	64.3	4971.595	0	0.897	ethnic_group White British (reference)
ethnic_group	Other	26322	33225	44.2	55.8	4971.595	0	0.628	ethnic_group White British (reference)
ethnic_group	White Other	31962	46678	40.6	59.4	4971.595	0	0.727	ethnic_group White British (reference)
IMD	1	56851	93277	37.9	62.1	206.211	0	1.000	IMD 1 (reference)
IMD	2	52366	85513	38.0	62.0	206.211	0	0.995	IMD 1 (reference)
IMD	3	46074	80108	36.5	63.5	206.211	0	1.060	IMD 1 (reference)
IMD	4	43389	71093	37.9	62.1	206.211	0	0.999	IMD 1 (reference)
IMD	5	36555	55944	39.5	60.5	206.211	0	0.933	IMD 1 (reference)
Site	RQM91	12270	40424	23.3	76.7	133276.841	0	1.000	Site RQM91 (reference)
Site	E0A3H	7240	20339	26.3	73.7	133276.841	0	0.853	Site RQM91 (reference)
Site	R0A02	9239	40610	18.5	81.5	133276.841	0	1.334	Site RQM91 (reference)
Site	R0A07	12649	49459	20.4	79.6	133276.841	0	1.187	Site RQM91 (reference)
Site	R0A66	8001	30578	20.7	79.3	133276.841	0	1.160	Site RQM91 (reference)
Site	R1H12	21384	27045	44.2	55.8	133276.841	0	0.384	Site RQM91 (reference)
Site	R1HKH	40703	12775	76.1	23.9	133276.841	0	0.095	Site RQM91 (reference)
Site	R1HNH	23319	32064	42.1	57.9	133276.841	0	0.417	Site RQM91 (reference)
Site	RAS01	35894	1250	96.6	3.4	133276.841	0	0.011	Site RQM91 (reference)
Site	RJ122	8885	15183	36.9	63.1	133276.841	0	0.519	Site RQM91 (reference)
Site	RJ224	5265	21359	19.8	80.2	133276.841	0	1.231	Site RQM91 (reference)
Site	RJ231	9210	22755	28.8	71.2	133276.841	0	0.750	Site RQM91 (reference)
Site	RQXM1	12758	26779	32.3	67.7	133276.841	0	0.637	Site RQM91 (reference)
Site	RYJ01	17503	16863	50.9	49.1	133276.841	0	0.292	Site RQM91 (reference)
Site	RYJ02	10915	28452	27.7	72.3	133276.841	0	0.791	Site RQM91 (reference)

Multivariable Analysis (HCV)

term	OR	CI_lower	CI_upper	p.value_multivariable
age group 35 to 49 (reference)	NA	NA	NA	NA
Gender Women (reference)	NA	NA	NA	NA
ethnic group White British (reference)	NA	NA	NA	NA
IMD quintile 1 (most deprived) (reference)	NA	NA	NA	NA
SiteRQM91 (reference)	NA	NA	NA	NA
age_group16 to 24	0.806	0.790	0.823	0.000
age_group25 to 34	0.900	0.884	0.916	0.000
age_group50 to 64	1.083	1.064	1.102	0.000
age_group65 to 79	1.071	1.050	1.091	0.000
age_group80 and over	1.071	1.048	1.095	0.000
GenderMen	1.048	1.036	1.061	0.000
ethnic_groupAsian Other	0.958	0.934	0.983	0.001
ethnic_groupBlack African	0.961	0.937	0.986	0.002
ethnic_groupBlack Caribbean	1.027	0.995	1.061	0.097
ethnic_groupBlack Other	0.970	0.937	1.003	0.076
ethnic_groupIndian, Pakistani or Bangladeshi	1.006	0.987	1.025	0.554
ethnic_groupMixed/Multiple	0.958	0.924	0.993	0.018
ethnic_groupOther	0.850	0.832	0.869	0.000
ethnic_groupWhite Other	0.985	0.966	1.004	0.131
IMD2	0.978	0.962	0.995	0.011
IMD3	0.979	0.962	0.996	0.018
IMD4	0.951	0.934	0.968	0.000
IMD5	0.934	0.916	0.952	0.000
SiteE0A3H	0.828	0.800	0.857	0.000
SiteR0A02	1.369	1.328	1.412	0.000
SiteR0A07	1.173	1.140	1.208	0.000
SiteR0A66	1.151	1.115	1.189	0.000
SiteR1H12	0.386	0.376	0.397	0.000
SiteR1HKH	0.094	0.091	0.097	0.000
SiteR1HNH	0.424	0.413	0.436	0.000
SiteRAS01	0.010	0.010	0.011	0.000
SiteRJ122	0.521	0.504	0.538	0.000
SiteRJ224	1.240	1.195	1.286	0.000
SiteRJ231	0.748	0.724	0.772	0.000
SiteRQXM1	0.651	0.632	0.670	0.000
SiteRYJ01	0.305	0.296	0.315	0.000
SiteRYJ02	0.802	0.779	0.827	0.000

Forest Plot of HCV Logistic Regression Result

Forest Plot of HCV Logistic Regression Results

Univariable Analysis (HBV)

Variable	Subgroup	No	Yes	No_Percent	Yes_Percent	Chi2	p_value_univariable	Odds_Ratio	Reference_Group
age_group	35 to 49	44825	58596	43.3	56.7	567.485	0.000	1.000	age_group 35 to 49 (reference)
age_group	16 to 24	22997	25000	47.9	52.1	567.485	0.000	0.832	age_group 35 to 49 (reference)
age_group	25 to 34	34710	43740	44.2	55.8	567.485	0.000	0.964	age_group 35 to 49 (reference)
age_group	50 to 64	40539	54303	42.7	57.3	567.485	0.000	1.025	age_group 35 to 49 (reference)
age_group	65 to 79	31254	38509	44.8	55.2	567.485	0.000	0.943	age_group 35 to 49 (reference)
age_group	80 and over	21402	23664	47.5	52.5	567.485	0.000	0.846	age_group 35 to 49 (reference)
Gender	Women	108416	135817	44.4	55.6	4.340	0.037	1.000	Gender Women (reference)
Gender	Men	87311	107995	44.7	55.3	4.340	0.037	0.987	Gender Women (reference)
ethnic_group	White British	61156	75546	44.7	55.3	1067.032	0.000	1.000	ethnic_group White British (reference)
ethnic_group	Asian Other	15807	18144	46.6	53.4	1067.032	0.000	0.929	ethnic_group White British (reference)
ethnic_group	Black African	13019	18405	41.4	58.6	1067.032	0.000	1.144	ethnic_group White British (reference)
ethnic_group	Black Caribbean	7913	11935	39.9	60.1	1067.032	0.000	1.221	ethnic_group White British (reference)
ethnic_group	Black Other	6413	9841	39.5	60.5	1067.032	0.000	1.242	ethnic_group White British (reference)
ethnic_group	Indian, Pakistani or Bangladeshi	32497	36046	47.4	52.6	1067.032	0.000	0.898	ethnic_group White British (reference)
ethnic_group	Mixed/Multiple	4824	6943	41.0	59.0	1067.032	0.000	1.165	ethnic_group White British (reference)
ethnic_group	Other	24386	27168	47.3	52.7	1067.032	0.000	0.902	ethnic_group White British (reference)
ethnic_group	White Other	29712	39784	42.8	57.2	1067.032	0.000	1.084	ethnic_group White British (reference)
IMD	1	47718	60353	44.2	55.8	209.320	0.000	1.000	IMD 1 (reference)
IMD	2	43855	54511	44.6	55.4	209.320	0.000	0.983	IMD 1 (reference)
IMD	3	37664	49972	43.0	57.0	209.320	0.000	1.049	IMD 1 (reference)
IMD	4	35679	43616	45.0	55.0	209.320	0.000	0.967	IMD 1 (reference)
IMD	5	30811	35360	46.6	53.4	209.320	0.000	0.907	IMD 1 (reference)
Site	RQM91	12336	40404	23.4	76.6	98831.971	0.000	1.000	Site RQM91 (reference)
Site	E0A3H	0	1	0.0	100.0	98831.971	0.000	589.245	Site RQM91 (reference)
Site	R0A07	1	0	100.0	0.0	98831.971	0.000	0.000	Site RQM91 (reference)
Site	R1H12	20632	26595	43.7	56.3	98831.971	0.000	0.394	Site RQM91 (reference)
Site	R1HKH	39682	12658	75.8	24.2	98831.971	0.000	0.097	Site RQM91 (reference)
Site	R1HNH	22123	31809	41.0	59.0	98831.971	0.000	0.439	Site RQM91 (reference)
Site	RAS01	35900	1229	96.7	3.3	98831.971	0.000	0.010	Site RQM91 (reference)
Site	RJ122	8925	15146	37.1	62.9	98831.971	0.000	0.518	Site RQM91 (reference)
Site	RJ224	5371	21316	20.1	79.9	98831.971	0.000	1.212	Site RQM91 (reference)
Site	RJ231	9270	22715	29.0	71.0	98831.971	0.000	0.748	Site RQM91 (reference)
Site	RQXM1	12955	26717	32.7	67.3	98831.971	0.000	0.630	Site RQM91 (reference)
Site	RYJ01	17567	16833	51.1	48.9	98831.971	0.000	0.293	Site RQM91 (reference)
Site	RYJ02	10965	28389	27.9	72.1	98831.971	0.000	0.790	Site RQM91 (reference)

Multivariable Analysis (HBV)

term	OR	CI_lower	CI_upper	p.value_multivariable
age group 35 to 49 (reference)	NA	NA	NA	NA
Gender Women (reference)	NA	NA	NA	NA
ethnic group White British (reference)	NA	NA	NA	NA
IMD quintile 1 (most deprived) (reference)	NA	NA	NA	NA
SiteRQM91 (reference)	NA	NA	NA	NA
age_group16 to 24	0.806	0.790	0.823	0.000
age_group25 to 34	0.900	0.884	0.916	0.000
age_group50 to 64	1.083	1.064	1.102	0.000
age_group65 to 79	1.071	1.050	1.091	0.000
age_group80 and over	1.071	1.048	1.095	0.000
GenderMen	1.048	1.036	1.061	0.000
ethnic_groupAsian Other	0.958	0.934	0.983	0.001
ethnic_groupBlack African	0.961	0.937	0.986	0.002
ethnic_groupBlack Caribbean	1.027	0.995	1.061	0.097
ethnic_groupBlack Other	0.970	0.937	1.003	0.076
ethnic_groupIndian, Pakistani or Bangladeshi	1.006	0.987	1.025	0.554
ethnic_groupMixed/Multiple	0.958	0.924	0.993	0.018
ethnic_groupOther	0.850	0.832	0.869	0.000
ethnic_groupWhite Other	0.985	0.966	1.004	0.131
IMD2	0.978	0.962	0.995	0.011
IMD3	0.979	0.962	0.996	0.018
IMD4	0.951	0.934	0.968	0.000
IMD5	0.934	0.916	0.952	0.000
SiteE0A3H	0.828	0.800	0.857	0.000
SiteR0A02	1.369	1.328	1.412	0.000
SiteR0A07	1.173	1.140	1.208	0.000
SiteR0A66	1.151	1.115	1.189	0.000
SiteR1H12	0.386	0.376	0.397	0.000
SiteR1HKH	0.094	0.091	0.097	0.000
SiteR1HNH	0.424	0.413	0.436	0.000
SiteRAS01	0.010	0.010	0.011	0.000
SiteRJ122	0.521	0.504	0.538	0.000
SiteRJ224	1.240	1.195	1.286	0.000
SiteRJ231	0.748	0.724	0.772	0.000
SiteRQXM1	0.651	0.632	0.670	0.000
SiteRYJ01	0.305	0.296	0.315	0.000
SiteRYJ02	0.802	0.779	0.827	0.000

Forest Plot of HBV Logistic Regression Result

Forest Plot of HBV Logistic Regression Results