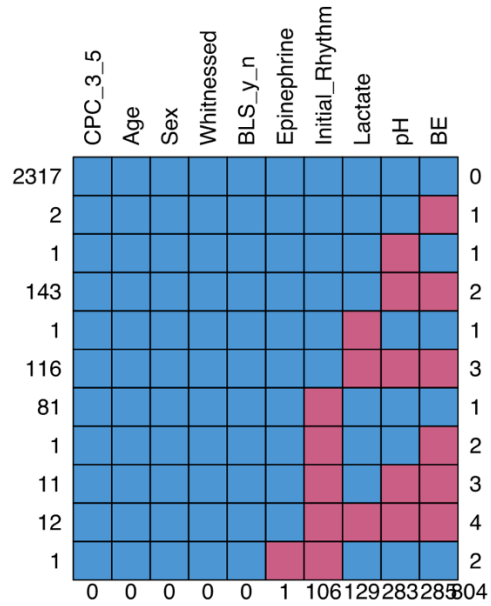
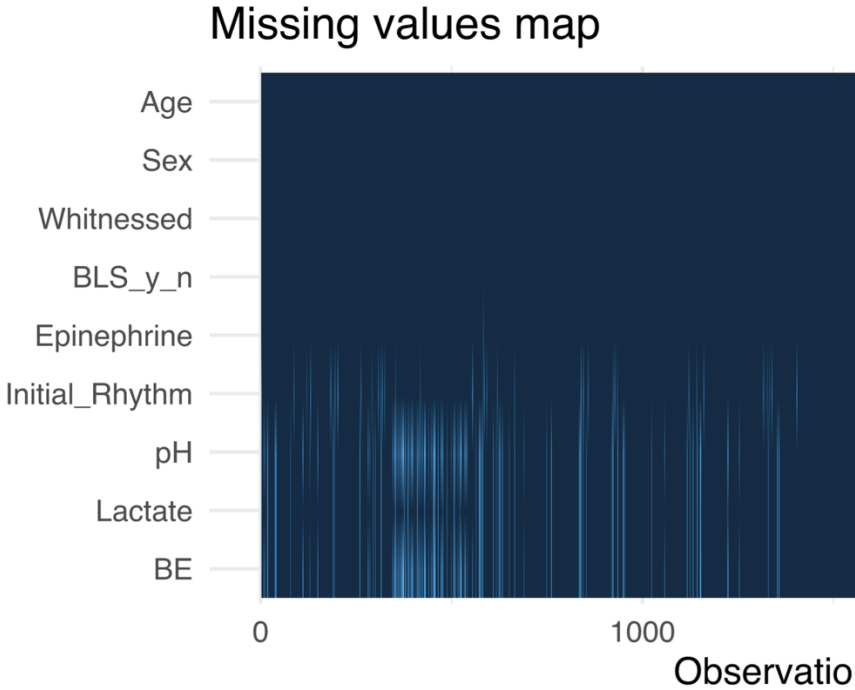
Missing pattern figure, missing values map:





Models:

Model 1

overall (n=2317)	Sig.	Exp(B)	99% C.I.for EXP(B)	
Age	.000	1.028	1.021	1.034
Sex	.131	1.182	.952	1.468
Witness status	.000	1.825	1.341	2.483
BLS	.000	2.189	1.705	2.809
Initial Rhythm	.000	3.466	2.846	4.220
Adrenaline	.000	1.464	1.391	1.540
Constant	.000			

OHCA	Sig.	Exp(B)	99% C.I.for EXP(B)	
Age	.000	1.031	1.021	1.041
Sex	.080	1.258	.898	1.762
Witness status	.000	1.839	1.191	2.839
BLS	.000	2.042	1.447	2.881
Initial Rhythm	.000	4.007	2.935	5.471
Adrenaline	.000	1.492	1.384	1.609
Constant	.000			

IHCA	Sig.	Exp(B)	99% C.I.for EXP(B)	
Age	.001	1.022	1.005	1.041
Sex	.972	.993	.573	1.720
Witness status	.902	1.066	.277	4.108
BLS	.146	3.536	.378	33.093
Initial Rhythm	.000	2.953	1.684	5.179
Adrenaline	.000	1.315	1.130	1.530
Constant	.000			

Model 2

overall (n=2317)	Sig.	Exp(B)	99% C.I.for EXP(B)	
Age	.000	1.033	1.024	1.042
Sex	.235	1.145	.853	1.538
Witnessed	.001	1.729	1.143	2.616
BLS	.000	2.127	1.522	2.972
Initial Rhythm	.000	2.804	2.132	3.688
Adrenaline	.000	1.307	1.218	1.402
pH	.264	.563	.150	2.115
Lactate	.002	1.064	1.010	1.120
BE	.018	.966	.930	1.003
Constant	.916			

OHCA	Sig.	Exp(B)	99% C.I.for EXP(B)	
Age	.000	1.036	1.026	1.047
Sex	.101	1.248	.881	1.766
Witnessed	.001	1.782	1.145	2.775
BLS	.000	2.040	1.437	2.897
Initial Rhythm	.000	3.190	2.294	4.435
Adrenaline	.000	1.345	1.242	1.457
pH	.574	.702	.139	3.544
Lactate	.009	1.065	1.001	1.134
BE	.103	.970	.925	1.018
Constant	.761			

IHCA	Sig.	Exp(B)	99% C.I.for EXP(B)	
Age	.001	1.026	1.007	1.046
Sex	.570	.880	.494	1.569
Witnessed	.961	.974	.241	3.939
BLS	.130	3.721	.397	34.860
Initial Rhythm	.001	2.163	1.176	3.977
Adrenaline	.017	1.160	.988	1.361
pH	.187	.293	.027	3.220
Lactate	.064	1.068	.974	1.171
BE	.097	.960	.902	1.023
Constant	.391			

Model 3	overall (n=2317)					OHCA					IHCA				
		Sig.	Exp(B)	99% C.I.for EXP(B)			Sig.	Exp(B)	99% C.I.for EXP(B)			Sig.	Exp(B)	99% C.I.for EXP(B)	
	pH	.001	.223	.090	.551	pH	.023	.284	.068	1188	pH	.013	.125	.015	1068
	Lactate	.000	1.116	1.077	1.157	Lactate	.000	1.133	1.070	1.199	Lactate	.019	1.082	.992	1.180
	BE	.012	.967	.942	.993	BE	.065	.970	.930	1.012	BE	.083	.961	.906	1.020
	Constant	.004				Constant	.049				Constant	.020			
pH	**Overall**					**OHCA**					**IHCA**				
		Sig.	Exp(B)	99% C.I.for EXP(B)			Sig.	Exp(B)	99% C.I.for EXP(B)			Sig.	Exp(B)	99% C.I.for EXP(B)	
	pH	.000	.012	.006	.024	pH	.000	.011	.005	.026	pH	.000	.013	.003	.060
	Constant	.000				Constant	.000				Constant	.000			
Lactate		Sig.	Exp(B)	99% C.I.for EXP(B)			Sig.	Exp(B)	99% C.I.for EXP(B)			Sig.	Exp(B)	99% C.I.for EXP(B)	
	Lactate	.000	1.213	1.176	1.250	Lactate	.000	1.218	1.177	1.262	Lactate	.000	1.194	1.119	1.275
	Constant	.000				Constant	.000				Constant	.000			
BE		Sig.	Exp(B)	99% C.I.for EXP(B)			Sig.	Exp(B)	99% C.I.for EXP(B)			Sig.	Exp(B)	99% C.I.for EXP(B)	
	BE	.000	.884	.867	.902	BE	.000	.881	.861	.902	BE	.000	.894	.860	.930
	Constant	.000				Constant	.000				Constant	.000			

Variance inflation factor (VIF) values:

Variance Inflation Factor (VIF)

	overall		OHCA		IHCA	
	Model 1	Model 2	Model 1	Model 2	Model 1	Model 2
Age	1,033275	1,088946	1,040486	1,091617	1,040486	1,091617
Sex	1,026764	1,037321	1,035962	1,053828	1,035962	1,053828
Whitnessed	1,055741	1,053022	1,052662	1,049571	1,052662	1,049571
BLS	1,04622	1,045688	1,032545	1,033724	1,032545	1,033724
Epinephrine	1,016245	1,202335	1,015359	1,211541	1,015359	1,211541
Initial Rhythm	1,032581	1,101646	1,062224	1,142134	1,062224	1,142134
Lactate		2,724514		3,080838		3,080838
pH		2,930246		3,233254		3,233254
BE		3,21605		3,716224		3,716224
Maximum	3,716224					

Multiple imputations:

Significant codes:

*** = 0.001

** = 0.01

* = 0.05

IHCA, Model 1

	Coefficients:	Estimate	Std,	Error	z	value
1	(Intercept)	-3,338896	0,47676	-7,003	2,50E-12	***
	Age	0,027011	0,006603	4,091	4,30E-05	***
	Sex	0,083878	0,198541	0,422	0,673	
	Witnessed	0,378068	0,468933	0,806	0,42	
	BLS_y_n	0,909376	0,709122	1,282	0,2	
	Epinephrine	0,340697	0,057453	5,93	3,03E-09	***
	Initial_Rhythm	1,426981	0,209415	6,814	9,48E-12	***

	Coefficients:	Estimate	Std,	Error	z	value
2	(Intercept)	-3,381631	0,479801	-7,048	1,82E-12	***
	Age	0,027716	0,006629	4,181	2,90E-05	***
	Sex	0,059395	0,198802	0,299	0,765	
	Witnessed	0,303895	0,468232	0,649	0,516	
	BLS_y_n	0,939914	0,707689	1,328	0,184	
	Epinephrine	0,343689	0,057504	5,977	2,28E-09	***
	Initial_Rhythm	1,432547	0,209855	6,826	8,71E-12	***

IHCA, Model 1, mean

Coefficients:	Estimate	z	value
(Intercept)	-2,80976383	1,75E-12	***
Age	0,02291117	2,91E-05	***
Sex	0,06979167	5,62E-01	
Witnessed	0,26337333	4,17E-01	
BLS_y_n	0,77942483	1,55E-01	
Epinephrine	0,28587217	2,13E-09	***
Initial_Rhythm	1,1449036	9,36E-12	***

	Coefficients:	Estimate	Std,	Error	z	value
3	(Intercept)	-3,416447	0,481929	-7,089	1,35E-12	***
	Age	0,028138	0,006636	4,24	2,23E-05	***
	Sex	0,082989	0,19873	0,418	0,676	
	Witnessed	0,304684	0,468144	0,651	0,515	
	BLS_y_n	0,942231	0,707559	1,332	0,183	
	Epinephrine	0,341299	0,057395	5,946	2,74E-09	***
	Initial_Rhythm	1,460875	0,209644	6,968	3,21E-12	***

	Coefficients:	Estimate	Std,	Error	z	value
4	(Intercept)	-3,373397	0,480429	-7,022	2,19E-12	***
	Age	0,027065	0,006654	4,067	4,76E-05	***
	Sex	0,101413	0,199711	0,508	0,612	
	Witnessed	0,290584	0,468755	0,62	0,535	
	BLS_y_n	0,962479	0,708625	1,358	0,174	
	Epinephrine	0,340268	0,05749	5,919	3,24E-09	***
	Initial_Rhythm	1,482003	0,209292	7,081	1,43E-12	***

	Coefficients:	Estimate	Std,	Error	z	value
5	(Intercept)	-3,348212	0,478585	-6,996	2,63E-12	***
	Age	0,027537	0,006626	4,156	3,24E-05	***
	Sex	0,091075	0,198343	0,459	0,646	
	Witnessed	0,303009	0,466357	0,65	0,516	
	BLS_y_n	0,922549	0,705658	1,307	0,191	
	Epinephrine	0,34928	0,057767	6,046	1,48E-09	***
	Initial_Rhythm	1,382987	0,207621	6,661	2,72E-11	***

IHCA, Model 2

	Coefficients:	Estimate	Std,	Error	z	value
1	(Intercept)	1,431594	6,616048	0,216	0,82869	
	Age	0,032362	0,00714	4,533	5,83E-06	***
	Sex	-0,002191	0,20856	-0,011	0,991618	
	Witnessed	0,34661	0,478292	0,725	0,468646	
	BLS_y_n	0,900405	0,690748	1,304	0,192397	
	Epinephrine	0,2089	0,06044	3,456	0,000548	***
	Initial_Rhythm	1,165994	0,221819	5,257	1,47E-07	***
	pH	-0,775855	0,902559	-0,86	0,39	
	Lactate	0,09405	0,034047	2,762	0,005738	**
	BE	-0,034941	0,023413	-1,492	0,135593	

	Coefficients:	Estimate	Std,	Error	z	value
2	(Intercept)	-0,810904	6,435035	-0,126	0,899721	
	Age	0,030784	0,007151	4,305	1,67E-05	***
	Sex	0,004827	0,208756	0,023	0,981552	
	Witnessed	0,32304	0,481106	0,671	0,501932	
	BLS_y_n	0,983466	0,702869	1,399	0,161748	
	Epinephrine	0,219781	0,060161	3,653	0,000259	***
	Initial_Rhythm	1,235538	0,222659	5,549	2,87E-08	***
	pH	-0,467226	0,877236	-0,533	0,594303	
	Lactate	0,085716	0,033621	2,549	0,010789	*
	BE	-0,046932	0,023074	-2,034	0,041952	*

IHCA, Model 2, mean

Coefficients:	Estimate	z	value
(Intercept)	0,30320367	8,49E-01	
Age	0,02640683	1,01E-05	***
Sex	0,0011885	9,63E-01	
Witnessed	0,298513	4,58E-01	
BLS_y_n	0,76194283	1,88E-01	
Epinephrine	0,179623	3,75E-04	***
Initial_Rhythm	0,98574433	2,33E-07	***
pH	-0,52529433	4,78E-01	
Lactate	0,07369883	9,36E-03	**
BE	-0,035786	7,16E-02	

	Coefficients:	Estimate	Std,	Error	z	value
3	(Intercept)	0,73017	6,399293	0,114	0,909157	
	Age	0,031024	0,007142	4,344	1,40E-05	***
	Sex	0,020087	0,208564	0,096	0,923275	
	Witnessed	0,455475	0,48797	0,933	0,350609	
	BLS_y_n	0,872074	0,695739	1,253	0,210042	
	Epinephrine	0,215633	0,059964	3,596	0,000323	***
	Initial_Rhythm	1,139979	0,22344	5,102	3,36E-07	***
	pH	-0,672499	0,872775	-0,771	0,440985	
	Lactate	0,088778	0,033996	2,611	0,009017	**
	BE	-0,043221	0,023284	-1,856	0,063419	

	Coefficients:	Estimate	Std,	Error	z	value
4	(Intercept)	1,80597	6,168646	0,293	0,769701	
	Age	0,031906	0,007139	4,469	7,85E-06	***
	Sex	0,002678	0,208176	0,013	0,989735	
	Witnessed	0,370808	0,476823	0,778	0,436767	
	BLS_y_n	0,880048	0,687043	1,281	0,200221	
	Epinephrine	0,218599	0,060474	3,615	0,000301	***
	Initial_Rhythm	1,119662	0,224714	4,983	6,27E-07	***
	pH	-0,827327	0,841853	-0,983	0,325733	
	Lactate	0,089114	0,033842	2,633	0,008457	**
	BE	-0,040322	0,023183	-1,739	0,081977	

	Coefficients:	Estimate	Std,	Error	z	value
5	(Intercept)	-1,337608	6,442898	-0,208	0,835534	
	Age	0,032365	0,007162	4,519	6,22E-06	***
	Sex	-0,01827	0,209196	-0,087	0,930405	
	Witnessed	0,295145	0,474483	0,622	0,533919	
	BLS_y_n	0,935664	0,688156	1,36	0,173934	
	Epinephrine	0,214825	0,061174	3,512	0,000445	***
	Initial_Rhythm	1,253293	0,225195	5,565	2,62E-08	***
	pH	-0,408859	0,87679	-0,466	0,640991	
	Lactate	0,084535	0,033957	2,489	0,012792	*
	BE	-0,0493	0,023394	-2,107	0,035081	*

OHCA, Model 1

	Coefficients:	Estimate	Std,	Error	z	value
1	(Intercept)	-3,25934	0,23553	-13,838	2,00E-16	***
	Age	0,02852	0,00345	8,267	2,00E-16	***
	Sex	0,17989	0,12216	1,473	0,140869	
	Witnessed	0,56208	0,15836	3,549	0,000386	***
	BLS_y_n	0,76678	0,12872	5,957	2,57E-09	***
	Epinephrine	0,43411	0,02797	15,518	2,00E-16	***
	Initial_Rhythm	1,46096	0,11286	12,945	2,00E-16	***

	Coefficients:	Estimate	Std,	Error	z	value
2	(Intercept)	-3,262161	0,235399	-13,858	2,00E-16	***
	Age	0,028844	0,003447	8,369	2,00E-16	***
	Sex	0,182128	0,121774	1,496	0,134753	
	Witnessed	0,583575	0,157995	3,694	0,000221	***
	BLS_y_n	0,763614	0,128388	5,948	2,72E-09	***
	Epinephrine	0,433195	0,027887	15,534	2,00E-16	***
	Initial_Rhythm	1,420253	0,112594	12,614	2,00E-16	***

	Coefficients:	Estimate	Std,	Error	z	value
3	(Intercept)	-3,250603	0,235193	-13,821	2,00E-16	***
	Age	0,028389	0,003445	8,24	2,00E-16	***
	Sex	0,172159	0,12192	1,412	0,157932	
	Witnessed	0,571058	0,158481	3,603	0,000314	***
	BLS_y_n	0,771998	0,128509	6,007	1,89E-09	***
	Epinephrine	0,436107	0,027977	15,588	2,00E-16	***
	Initial_Rhythm	1,439857	0,112654	12,781	2,00E-16	***

OHCA, Model 1, mean

Coefficient	Estimate	z	value
(Intercept)	-3,248252	2,00E-16	***
Age	0,0284072	2,40E-16	***
Sex	0,1805986	1,39E-01	
Witnessed	0,5670806	3,45E-04	***
BLS_y_n	0,7701818	2,10E-09	***
Epinephrine	0,435103	2,00E-16	***
Initial_Rhythm	1,4336764	2,00E-16	***

	Coefficients:	Estimate	Std,	Error	z	value
4	(Intercept)	-3,238782	0,234628	-13,804	2,00E-16	***
	Age	0,028199	0,003436	8,208	2,25E-16	***
	Sex	0,18798	0,121692	1,545	0,122414	
	Witnessed	0,559759	0,158009	3,543	0,000396	***
	BLS_y_n	0,778717	0,128277	6,071	1,27E-09	***
	Epinephrine	0,437088	0,027962	15,631	2,00E-16	***
	Initial_Rhythm	1,413385	0,112184	12,599	2,00E-16	***

	Coefficients:	Estimate	Std,	Error	z	value
5	(Intercept)	-3,230374	0,23506	-13,743	2,00E-16	***
	Age	0,028084	0,003448	8,146	3,77E-16	***
	Sex	0,180836	0,121937	1,483	0,138067	
	Witnessed	0,558931	0,158106	3,535	0,000408	***
	BLS_y_n	0,7698	0,12845	5,993	2,06E-09	***
	Epinephrine	0,435015	0,027972	15,552	2,00E-16	***
	Initial_Rhythm	1,433927	0,112409	12,756	2,00E-16	***

OHCA, Model 2

	Coefficients:	Estimate	Std,	Error	z	value
1	(Intercept)	-5,503962	4,315838	-1,275	0,202205	
	Age	0,03366	0,003653	9,215	2,00E-16	***
	Sex	0,191594	0,125698	1,524	0,127446	
	Witnessed	0,521766	0,161691	3,227	0,001251	**
	BLS_y_n	0,761317	0,131182	5,804	6,49E-09	***
	Epinephrine	0,322622	0,029478	10,945	2,00E-16	***
	Initial_Rhythm	1,181908	0,118701	9,957	2,00E-16	***
	pH	0,175882	0,585546	0,3	0,763892	
	Lactate	0,084105	0,022258	3,779	0,000158	***
	BE	-0,03794	0,01721	-2,205	0,027488	*

	Coefficients:	Estimate	Std,	Error	z	value
2	(Intercept)	-5,434451	4,359792	-1,246	0,212583	
	Age	0,032856	0,003632	9,047	2,00E-16	***
	Sex	0,171733	0,126074	1,362	0,173149	
	Witnessed	0,503512	0,161676	3,114	0,001844	**
	BLS_y_n	0,769428	0,131074	5,87	4,35E-09	***
	Epinephrine	0,328206	0,029569	11,1	2,00E-16	***
	Initial_Rhythm	1,207661	0,118804	10,165	2,00E-16	***
	pH	0,175306	0,590868	0,297	0,766701	
	Lactate	0,083468	0,022023	3,79	0,000151	***
	BE	-0,034355	0,017368	-1,978	0,047919	*

OHCA, Model 2 mean

Coefficients:	Estimate	z	value
(Intercept)	-5,275805	2,22E-01	
Age	0,0335686	2,00E-16	***
Sex	0,1798832	1,54E-01	
Witnessed	0,5161356	1,45E-03	**
BLS_y_n	0,7634572	6,19E-09	***
Epinephrine	0,3264038	2,00E-16	***
Initial_Rhythm	1,2175584	2,00E-16	***
pH	0,146535	8,03E-01	
Lactate	0,0849706	1,45E-04	***
BE	-0,0338138	5,43E-02	

	Coefficients:	Estimate	Std,	Error	z	value
3	(Intercept)	-4,779305	4,335211	-1,102	0,27027	
	Age	0,034147	0,003652	9,349	2,00E-16	***
	Sex	0,180091	0,126319	1,426	0,15396	
	Witnessed	0,501477	0,161747	3,1	0,00193	**
	BLS_y_n	0,760387	0,131635	5,776	7,63E-09	***
	Epinephrine	0,328062	0,029364	11,172	2,00E-16	***
	Initial_Rhythm	1,251452	0,119545	10,468	2,00E-16	***
	pH	0,073013	0,588022	0,124	0,90118	
	Lactate	0,091123	0,02241	4,066	4,78E-05	***
	BE	-0,027228	0,017202	-1,583	0,11345	

	Coefficients:	Estimate	Std,	Error	z	value
4	(Intercept)	-5,39849	4,312869	-1,252	0,210673	
	Age	0,033938	0,003655	9,285	2,00E-16	***
	Sex	0,183731	0,125867	1,46	0,144367	
	Witnessed	0,524753	0,161866	3,242	0,001187	**
	BLS_y_n	0,759733	0,131461	5,779	7,51E-09	***
	Epinephrine	0,323343	0,029485	10,966	2,00E-16	***
	Initial_Rhythm	1,237249	0,119067	10,391	2,00E-16	***
	pH	0,159377	0,584947	0,272	0,785266	
	Lactate	0,084215	0,022275	3,781	0,000156	***
	BE	-0,035512	0,017309	-2,052	0,040198	*
	Coefficients:	**Estimate**	**Std,**	**Error**	**z**	**value**
	(Intercept)	-5,262817	4,238983	-1,242	0,21441	

5	Age	0,033242	0,003641	9,129	2,00E-16	***
	Sex	0,172267	0,125781	1,37	0,17082	
	Witnessed	0,52917	0,161441	3,278	0,00105	**
	BLS_y_n	0,766421	0,131053	5,848	4,97E-09	***
	Epinephrine	0,329786	0,029612	11,137	2,00E-16	***
	Initial_Rhythm	1,209522	0,118986	10,165	2,00E-16	***
	pH	0,149097	0,575262	0,259	0,7955	
	Lactate	0,081942	0,022104	3,707	0,00021	***
	BE	-0,034034	0,016784	-2,028	0,04258	*

[redacted]

Multiple Imputations, AUC

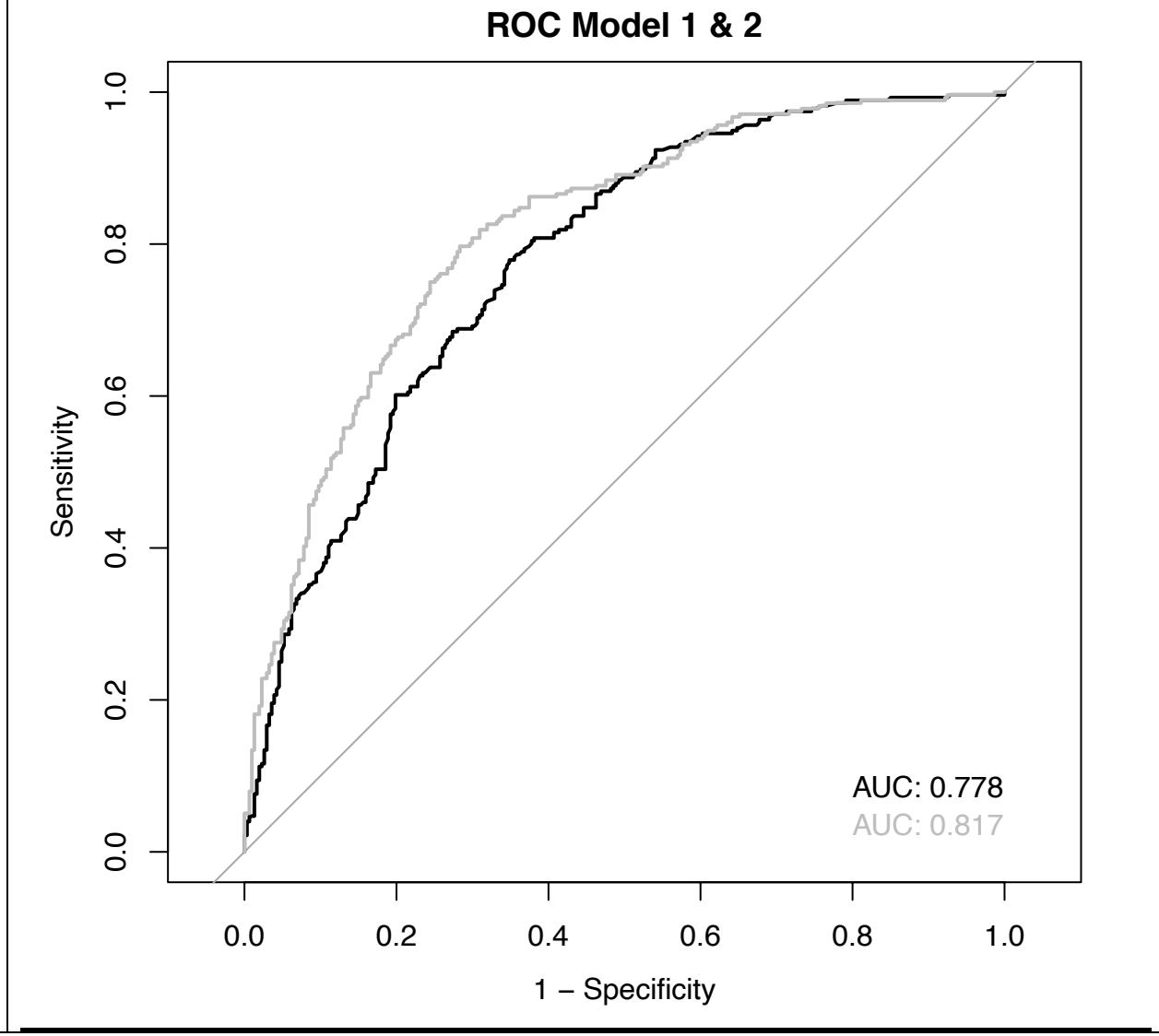
	IHCA, Model 1		IHCA, Model 2				
Imputation	AUC	CI 99%	AUC	CI 99%	**Diff AUC**	**p-value**	
LogReg 1	0,778	0,7293-0,8266	0,815	0,7696-0,8595	0,037	< 0.001	*
LogReg 2	0,78	0,7316-0,8286	0,816	0,7717-0,8613	0,036	< 0.001	*
LogReg 3	0,779	0,7307-0,8279	0,815	0,7704-0,8602	0,036	< 0.001	*
LogReg 4	0,782	0,7338-0,8304	0,815	0,7694-0,8596	0,033	< 0.001	*
LogReg 5	0,778	0,7289-0,8264	0,817	0,7724-0,862	0,039	< 0.001	*
Average	0,7794		0,8156		0,0362	< 0.001	*

	OHCA, Model 1		OHCA, Model 2				
Imputation	AUC	CI 99%	AUC	CI 99%	**Diff AUC**	**p-value**	
LogReg 1	0,836	0,8136-0,8586	0,845	0,8228-0,8663	0,009	0,003	
LogReg 2	0,834	0,8117-0,857	0,844	0,8223-0,8659	0,01	0,002	*
LogReg 3	0,835	0,8126-0,8577	0,846	0,8247-0,868	0,011	0,001	*
LogReg 4	0,834	0,8116-0,8569	0,846	0,8242-0,8675	0,012	0,0025	
LogReg 5	0,835	0,8122-0,8575	0,844	0,8219-0,8655	0,009	0,007	
Average	0,835		0,845		0,010	0,003	

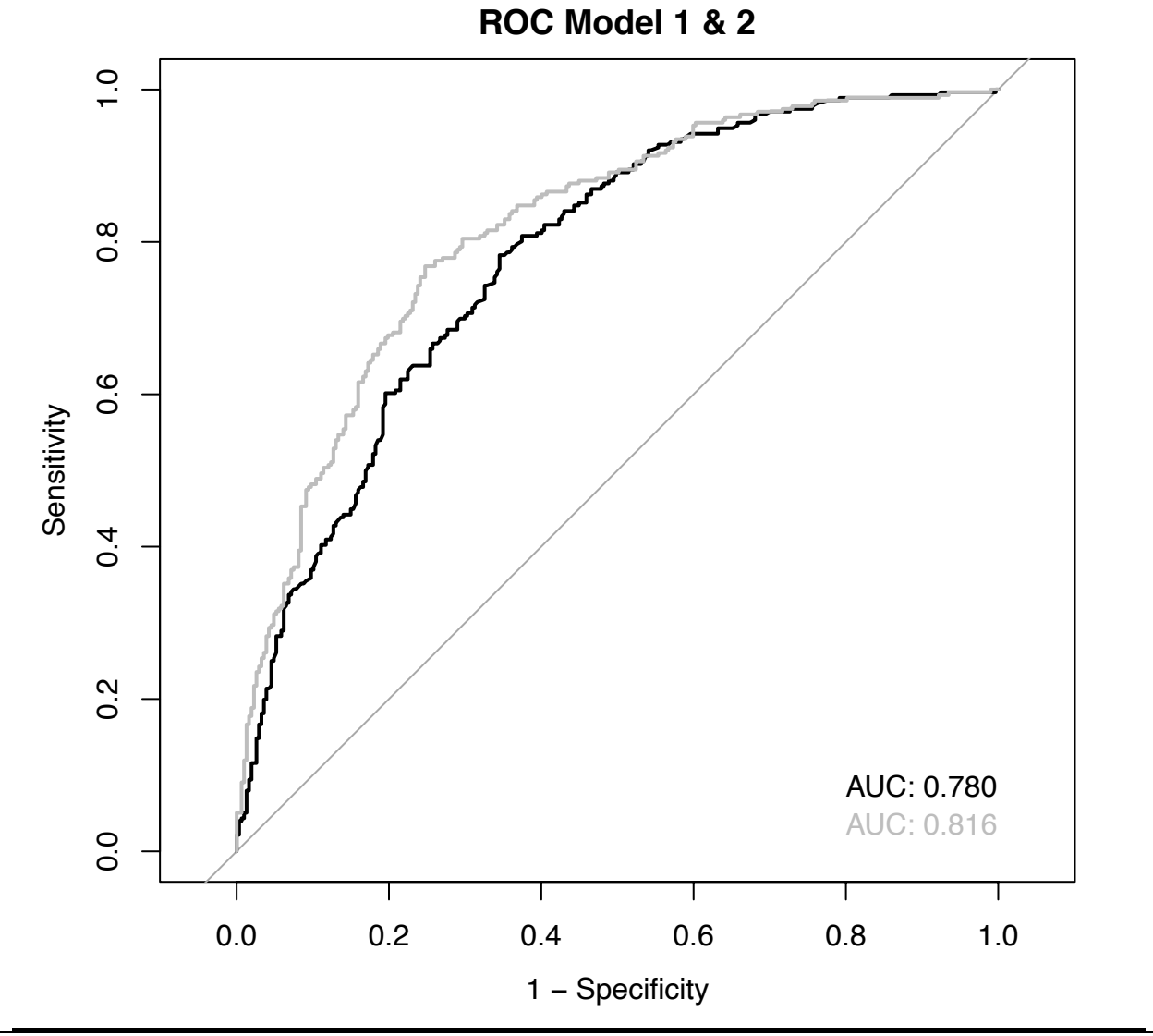
Bonferroni correction:
p = 0.01 -> p_corr = 0.002

* significant after Bonferroni correction

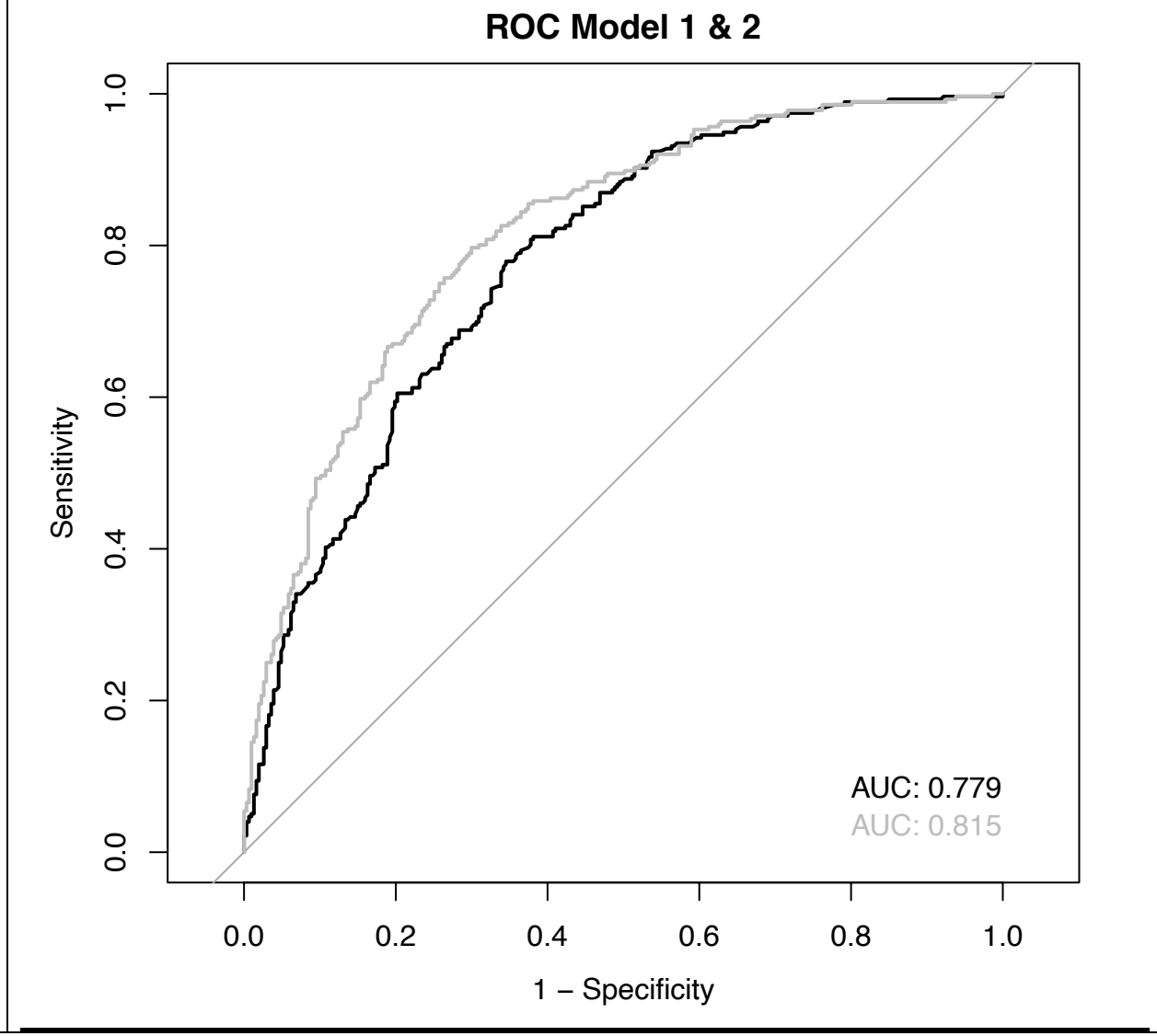
IHCA LogReg 1



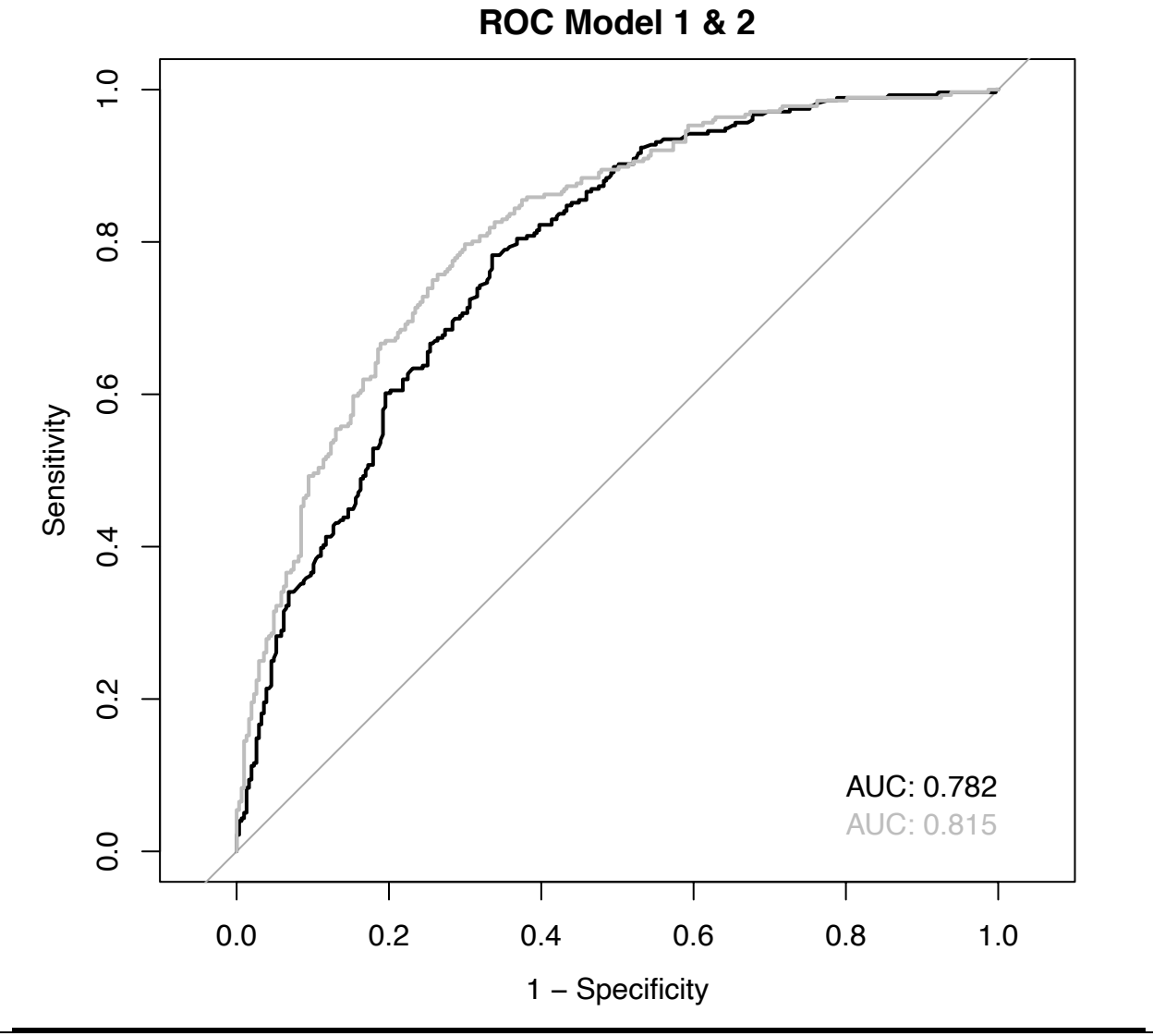
IHCA LogReg 2



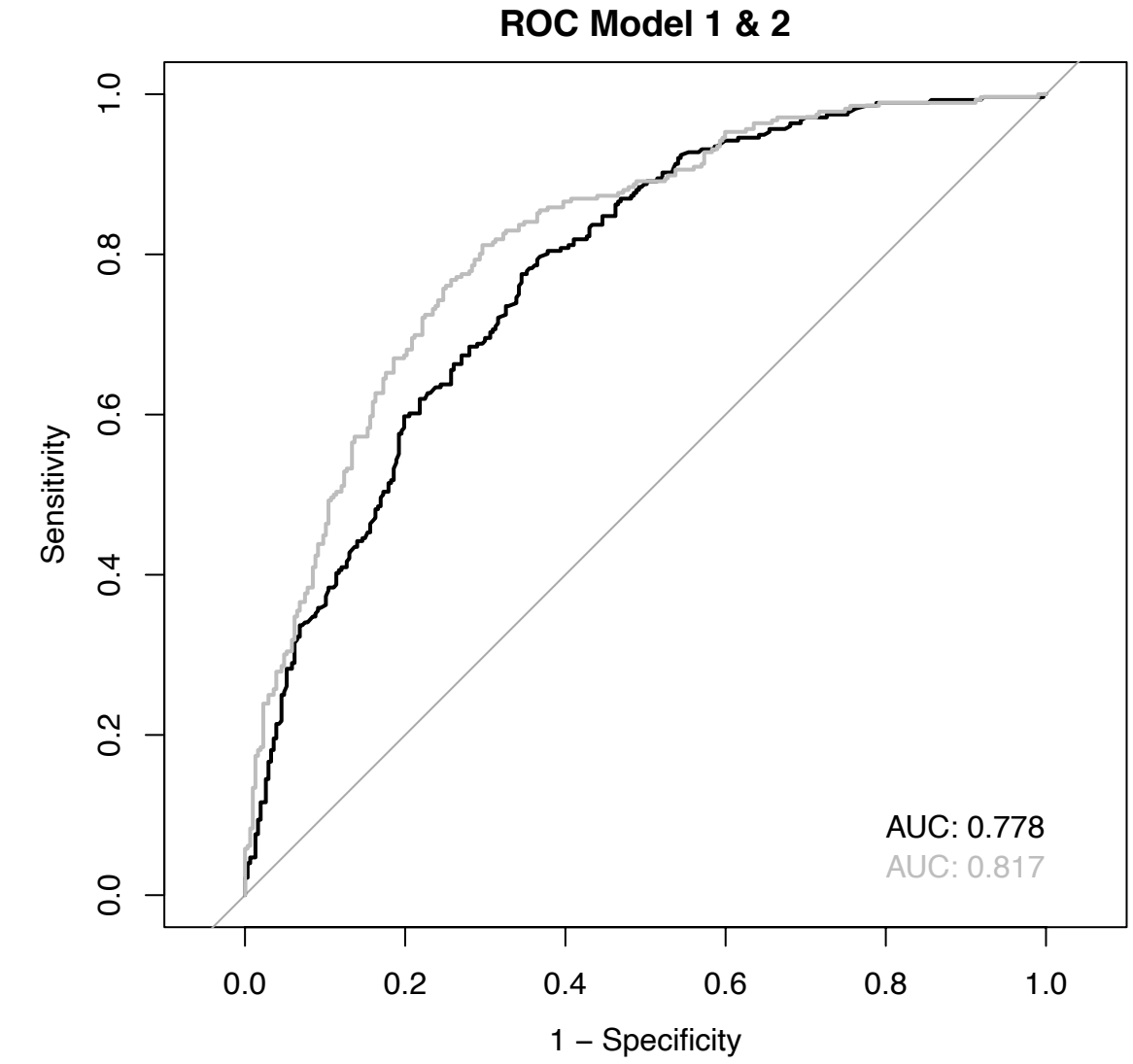
IHCA LogReg 3

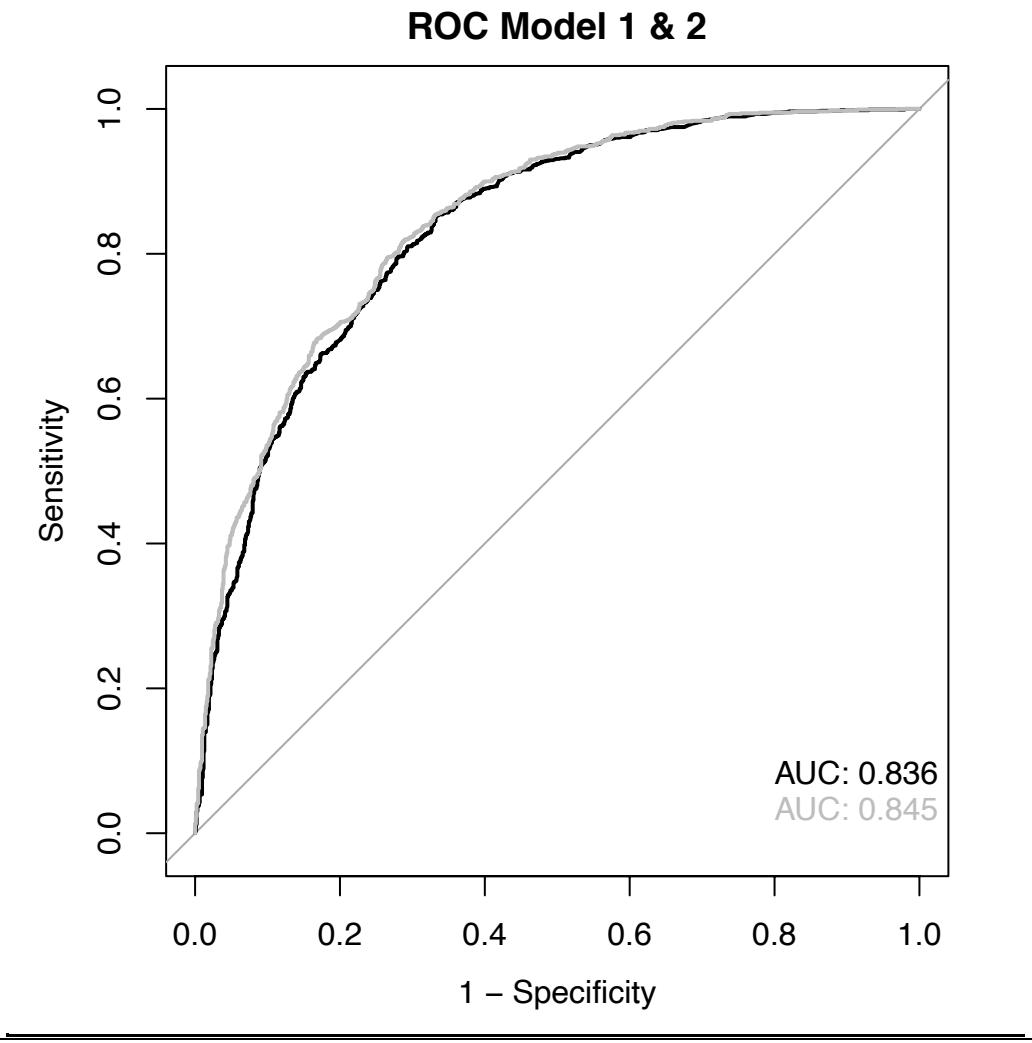


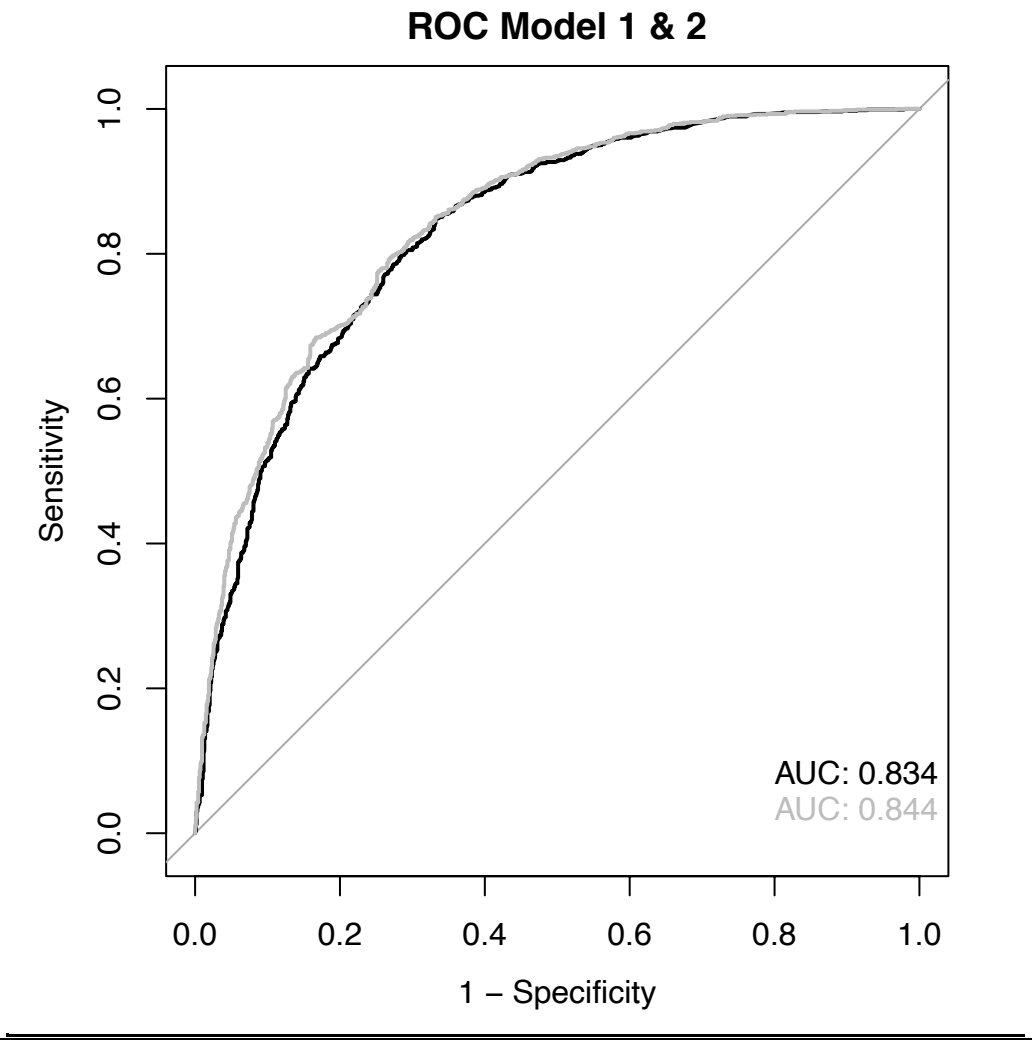
IHCA LogReg 4

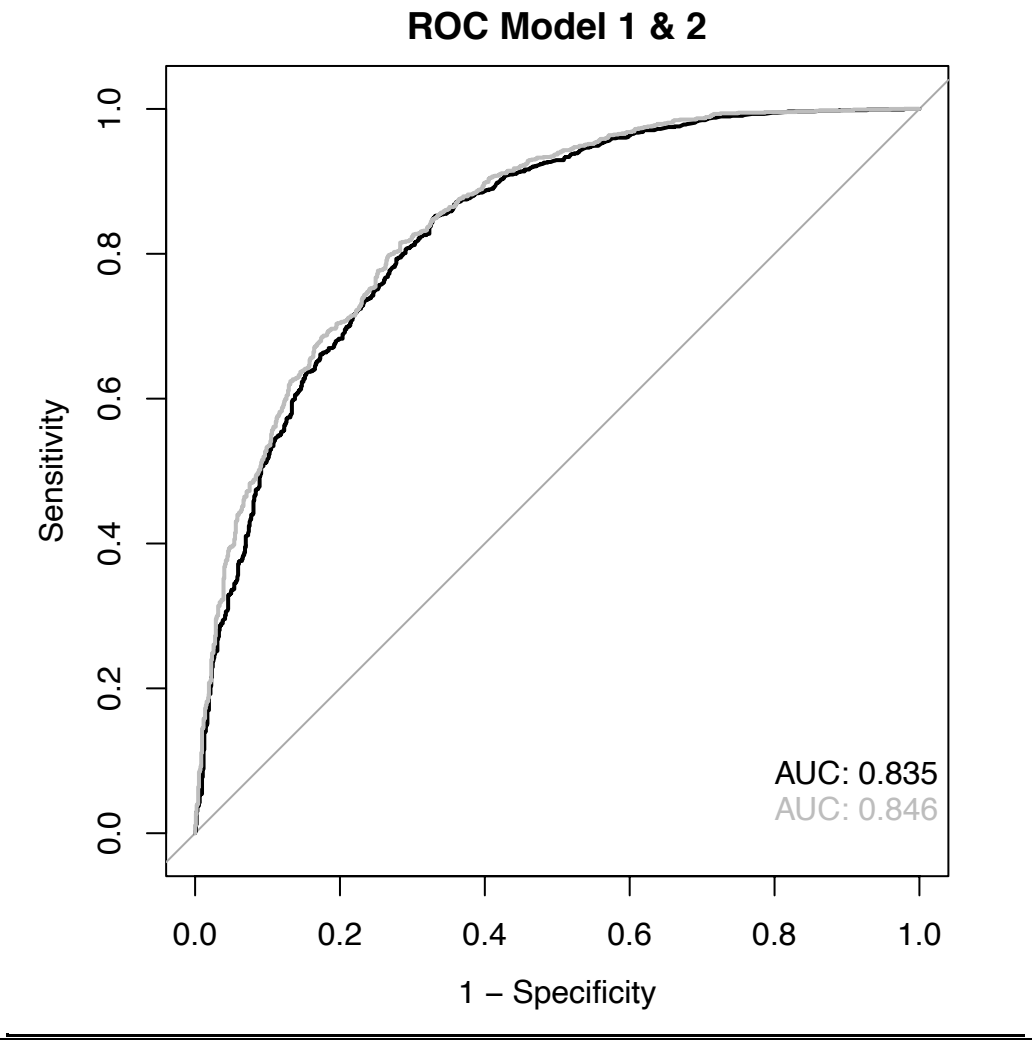


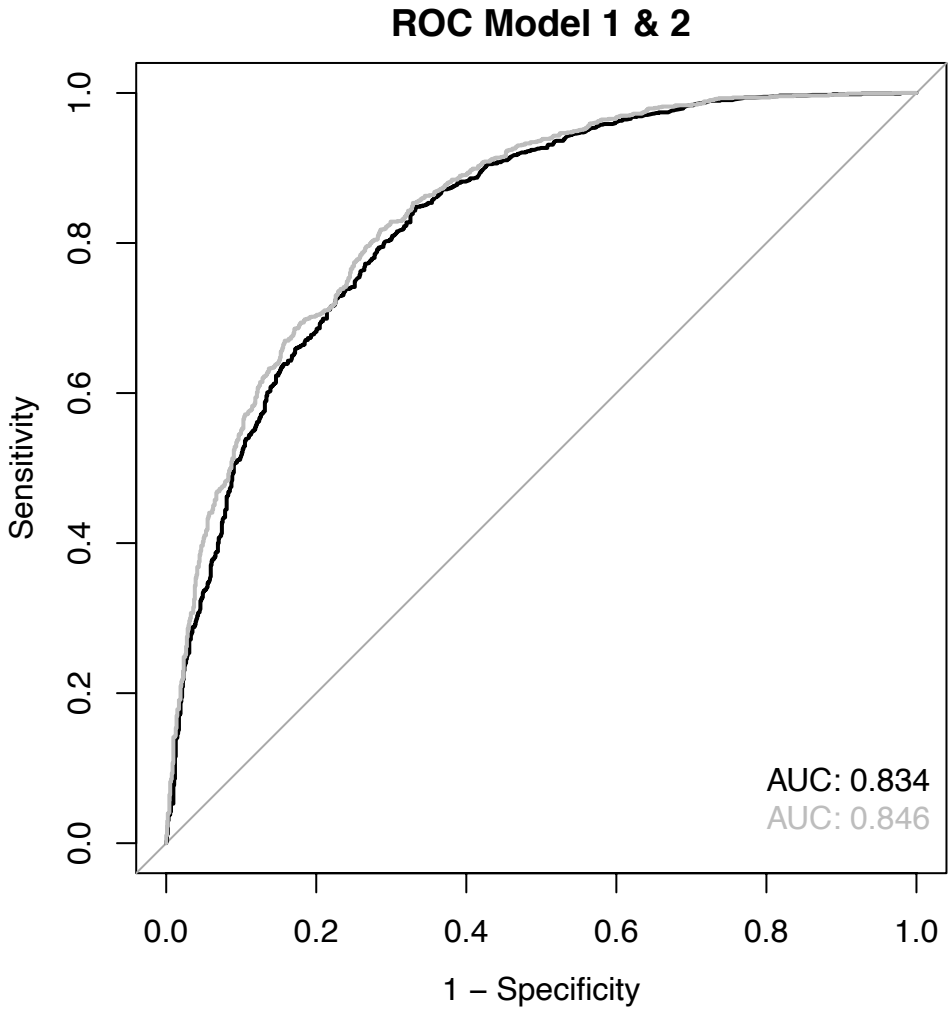
IHCA LogReg 5



OHCA LogReg 1	

OHCA LogReg 2	

OHCA LogReg 3	

OHCA LogReg 4	

OHCA LogReg 5