Testing different models (fitting one time)

Using control only

$\beta_0 = -6$**: prevalence** ≈ 0.01

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-4.646(0.355)	0.202(0.604)	0.843(0.847)	2.041(1.098)	0.599	22.7
CLOM(X5X6)	-5.159(0.385)	0.263(0.640)	1.102(0.975)	1.965(1.188)	0.675	25.6
CLOM(X7X8)	-5.109(0.391)	-0.032(0.499)	0.286(0.612)	1.340(0.751)	1.300	49.2
CLOM(X5678)	-5.798(0.448)	0.068(0.566)	0.623(0.793)	1.305(0.902)	1.335	50.6
MSLOM(X7X8)	-4.288(0.408)	-0.089(0.495)	0.228(0.616)	1.127(0.665)	1.513	57.3
MSLOM(X1278)	-4.257(0.411)	-0.250(0.411)	-0.003(0.516)	1.229(0.601)	1.411	53.4
MSLOM(X3478)	-4.030(0.497)	-0.299(0.432)	0.020(0.604)	1.187(0.579)	1.453	55.0
MSLOM(X5678)	-4.359(0.405)	-0.076(0.499)	0.365(0.681)	1.243(0.733)	1.397	52.9
MSLOM(X123478)	-4.093(0.427)	-0.369(0.356)	-0.114(0.476)	1.342(0.596)	1.298	49.2
MSLOM(all)	-4.160(0.423)	-0.373(0.351)	-0.005(0.530)	1.473(0.678)	1.167	44.2
DR	-5.997(0.231)	0.072(0.267)	0.631(0.383)	1.200(0.459)	1.440	54.5

Marginal: $RERI_{OR}^{true} = 2.642$, $RERI_{RR}^{true} = 2.572$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -5.5$**: prevalence** ≈ 0.018

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-4.079(0.270)	0.029(0.408)	0.402(0.518)	2.948(0.938)	0.308	11.7
CLOM(X5X6)	-4.494(0.290)	0.072(0.429)	0.574(0.588)	3.079(1.031)	0.439	16.6
CLOM(X7X8)	-4.628(0.305)	-0.158(0.346)	-0.010(0.384)	2.195(0.696)	0.445	16.9
CLOM(X5678)	-5.215(0.347)	-0.094(0.385)	0.193(0.477)	2.441(0.850)	0.199	7.5
MSLOM(X7X8)	-3.832(0.303)	-0.141(0.362)	0.022(0.404)	2.028(0.652)	0.612	23.2
MSLOM(X1278)	-3.892(0.310)	-0.114(0.406)	-0.033(0.397)	2.018(0.691)	0.622	23.6
MSLOM(X3478)	-3.619(0.364)	-0.296(0.333)	-0.116(0.404)	2.177(0.717)	0.463	17.5
MSLOM(X5678)	-3.902(0.300)	-0.114(0.372)	0.117(0.439)	2.269(0.738)	0.371	14.1
MSLOM(X123478)	-3.747(0.326)	-0.197(0.398)	-0.114(0.381)	2.258(0.785)	0.382	14.5
MSLOM(all)	-3.820(0.321)	-0.178(0.406)	-0.025(0.415)	2.570(0.905)	0.070	2.7
DR	-5.319(0.177)	-0.094(0.184)	0.164(0.228)	2.514(0.431)	0.126	4.8

Marginal: $RERI_{OR}^{true} = 2.568$, $RERI_{RR}^{true} = 2.462$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -5$**: prevalence** ≈ 0.03

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-3.767(0.232)	-0.054(0.330)	0.762(0.536)	2.631(0.787)	0.009	0.3
CLOM(X5X6)	-4.091(0.246)	-0.023(0.344)	0.957(0.602)	2.730(0.863)	0.090	3.4
CLOM(X7X8)	-4.170(0.256)	-0.226(0.280)	0.304(0.415)	1.964(0.593)	0.676	25.6
CLOM(X5678)	-4.599(0.282)	-0.180(0.304)	0.527(0.501)	2.103(0.697)	0.537	20.3
MSLOM(X7X8)	-3.565(0.259)	-0.204(0.293)	0.396(0.454)	2.032(0.624)	0.608	23.0
MSLOM(X1278)	-3.681(0.266)	-0.124(0.349)	0.317(0.446)	2.502(0.849)	0.138	5.2
MSLOM(X3478)	-3.371(0.303)	-0.339(0.269)	0.275(0.473)	1.935(0.611)	0.705	26.7
MSLOM(X5678)	-3.625(0.256)	-0.185(0.299)	0.529(0.494)	2.241(0.696)	0.399	15.1
MSLOM(X123478)	-3.535(0.280)	-0.218(0.336)	0.237(0.438)	2.438(0.831)	0.202	7.7
MSLOM(all)	-3.606(0.274)	-0.196(0.343)	0.386(0.485)	2.726(0.938)	0.086	3.3
DR	-4.693(0.144)	-0.176(0.149)	0.561(0.251)	2.419(0.381)	0.221	8.4

Marginal: $RERI_{OR}^{true} = 2.444$, $RERI_{RR}^{true} = 2.287$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -4.5$**: prevalence** ≈ 0.05

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-3.486(0.203)	0.008(0.303)	1.009(0.523)	2.371(0.689)	0.269	10.2
CLOM(X5X6)	-3.832(0.216)	0.044(0.318)	1.260(0.599)	2.481(0.773)	0.159	6.0
CLOM(X7X8)	-3.904(0.226)	-0.172(0.259)	0.529(0.421)	1.829(0.547)	0.811	30.7
CLOM(X5678)	-4.387(0.252)	-0.139(0.279)	0.802(0.515)	1.993(0.658)	0.647	24.5
MSLOM(X7X8)	-3.178(0.226)	-0.249(0.238)	0.427(0.398)	1.825(0.507)	0.815	30.9
MSLOM(X1278)	-3.314(0.232)	-0.161(0.284)	0.387(0.402)	2.286(0.690)	0.354	13.4
MSLOM(X3478)	-3.088(0.253)	-0.337(0.227)	0.389(0.430)	1.891(0.539)	0.749	28.4
MSLOM(X5678)	-3.252(0.225)	-0.225(0.245)	0.588(0.441)	2.109(0.591)	0.531	20.1
MSLOM(X123478)	-3.263(0.238)	-0.213(0.284)	0.379(0.413)	2.355(0.717)	0.285	10.8
MSLOM(all)	-3.336(0.235)	-0.196(0.289)	0.550(0.460)	2.730(0.834)	0.090	3.4
DR	-4.396(0.125)	-0.266(0.115)	0.593(0.219)	2.267(0.319)	0.373	14.1

Marginal: $RERI_{OR}^{true} = 2.319$, $RERI_{RR}^{true} = 2.091$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -4$**: prevalence** ≈ 0.08

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-2.897(0.155)	-0.105(0.211)	0.757(0.360)	1.870(0.466)	0.770	29.2
CLOM(X5X6)	-3.197(0.166)	-0.081(0.221)	0.970(0.413)	1.988(0.532)	0.652	24.7
CLOM(X7X8)	-3.332(0.178)	-0.292(0.179)	0.331(0.296)	1.524(0.383)	1.116	42.3
CLOM(X5678)	-3.762(0.199)	-0.277(0.190)	0.537(0.358)	1.654(0.459)	0.986	37.3
MSLOM(X7X8)	-2.658(0.178)	-0.295(0.178)	0.351(0.302)	1.400(0.353)	1.240	47.0
MSLOM(X1278)	-2.738(0.180)	-0.286(0.190)	0.303(0.305)	1.729(0.447)	0.911	34.5
MSLOM(X3478)	-2.618(0.193)	-0.350(0.173)	0.354(0.327)	1.498(0.380)	1.142	43.3
MSLOM(X5678)	-2.728(0.177)	-0.278(0.181)	0.519(0.338)	1.573(0.404)	1.067	40.4
MSLOM(X123478)	-2.718(0.189)	-0.317(0.193)	0.311(0.319)	1.819(0.470)	0.821	31.1
MSLOM(all)	-2.772(0.193)	-0.315(0.196)	0.464(0.362)	2.021(0.531)	0.619	23.4
DR	-3.795(0.101)	-0.350(0.085)	0.455(0.166)	1.709(0.219)	0.931	35.3

Marginal: $RERI_{OR}^{true} = 2.157$, $RERI_{RR}^{true} = 1.844$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -3$**: prevalence** ≈ 0.18

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-2.212(0.116)	0.363(0.220)	0.714(0.267)	1.638(0.385)	1.002	38.0
CLOM(X5X6)	-2.468(0.124)	0.429(0.238)	0.936(0.312)	1.878(0.460)	0.762	28.9
CLOM(X7X8)	-2.625(0.136)	0.238(0.221)	0.438(0.250)	1.659(0.400)	0.981	37.2
CLOM(X5678)	-3.039(0.152)	0.320(0.250)	0.668(0.308)	2.057(0.523)	0.583	22.1
MSLOM(X7X8)	-2.018(0.136)	0.180(0.208)	0.349(0.232)	1.510(0.346)	1.130	42.8
MSLOM(X1278)	-2.092(0.136)	0.304(0.254)	0.301(0.232)	1.732(0.436)	0.908	34.4
MSLOM(X3478)	-2.018(0.140)	0.146(0.209)	0.303(0.233)	1.661(0.371)	0.979	37.1
MSLOM(X5678)	-2.111(0.136)	0.248(0.221)	0.564(0.269)	1.876(0.422)	0.764	28.9
MSLOM(X123478)	-2.105(0.138)	0.252(0.241)	0.262(0.229)	1.935(0.461)	0.705	26.7
MSLOM(all)	-2.189(0.141)	0.302(0.253)	0.453(0.268)	2.380(0.554)	0.260	9.8
DR	-2.910(0.077)	0.125(0.106)	0.455(0.134)	2.130(0.225)	0.510	19.3

Marginal: $RERI_{OR}^{true} = 1.951$, $RERI_{RR}^{true} = 1.384$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -2$**: prevalence** ≈ 0.4

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-1.577(0.092)	0.525(0.194)	0.695(0.214)	1.747(0.357)	0.893	33.8
CLOM(X5X6)	-1.755(0.097)	0.614(0.213)	0.908(0.251)	2.096(0.437)	0.544	20.6
CLOM(X7X8)	-1.844(0.106)	0.524(0.217)	0.554(0.221)	2.059(0.434)	0.581	22.0
CLOM(X5678)	-2.126(0.116)	0.669(0.252)	0.801(0.272)	2.742(0.594)	0.102	3.9
MSLOM(X7X8)	-1.573(0.103)	0.585(0.215)	0.638(0.221)	1.834(0.403)	0.806	30.5
MSLOM(X1278)	-1.601(0.104)	0.664(0.251)	0.685(0.246)	1.583(0.458)	1.057	40.0
MSLOM(X3478)	-1.576(0.104)	0.568(0.218)	0.666(0.233)	1.804(0.420)	0.836	31.7
MSLOM(X5678)	-1.671(0.103)	0.730(0.236)	0.899(0.258)	2.630(0.528)	0.010	0.4
MSLOM(X123478)	-1.610(0.105)	0.663(0.255)	0.737(0.262)	1.581(0.482)	1.059	40.1
MSLOM(all)	-1.696(0.108)	0.776(0.276)	1.000(0.304)	2.183(0.596)	0.457	17.3
DR	-2.110(0.064)	0.643(0.130)	0.797(0.142)	2.700(0.264)	0.060	2.3

Marginal: $RERI_{OR}^{true} = 1.760$, $RERI_{RR}^{true} = 0.906$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -1$**: prevalence** ≈ 0.6

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-0.749(0.074)	0.357(0.145)	0.427(0.153)	2.007(0.332)	0.633	24.0
CLOM(X5X6)	-0.864(0.079)	0.436(0.162)	0.607(0.182)	2.532(0.428)	0.108	4.1
CLOM(X7X8)	-0.802(0.085)	0.332(0.161)	0.283(0.157)	2.309(0.401)	0.331	12.5
CLOM(X5678)	-0.973(0.092)	0.458(0.190)	0.480(0.195)	3.312(0.596)	0.672	25.5
MSLOM(X7X8)	-0.792(0.080)	0.480(0.165)	0.484(0.166)	2.039(0.388)	0.601	22.8
MSLOM(X1278)	-0.833(0.084)	0.670(0.216)	0.562(0.193)	1.807(0.485)	0.833	31.6
MSLOM(X3478)	-0.747(0.082)	0.421(0.164)	0.460(0.173)	1.898(0.385)	0.742	28.1
MSLOM(X5678)	-0.895(0.081)	0.692(0.190)	0.761(0.200)	3.094(0.547)	0.454	17.2
MSLOM(X123478)	-0.791(0.086)	0.599(0.213)	0.541(0.199)	1.636(0.459)	1.004	38.0
MSLOM(all)	-0.896(0.088)	0.848(0.252)	0.835(0.239)	2.429(0.635)	0.211	8.0
DR	-1.001(0.053)	0.508(0.106)	0.557(0.110)	3.032(0.247)	0.392	14.8

Marginal: $RERI_{OR}^{true} = 1.681$, $RERI_{RR}^{true} = 0.521$; Conditional: $RERI_{OR}^{true} = 2.64$

Using both control and case

$\beta_0 = -6$**: prevalence** ≈ 0.01

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-4.646(0.355)	0.202(0.604)	0.843(0.847)	2.041(1.098)	0.599	22.7
CLOM(X5X6)	-5.159(0.385)	0.263(0.640)	1.102(0.975)	1.965(1.188)	0.675	25.6
CLOM(X7X8)	-5.109(0.391)	-0.032(0.499)	0.286(0.612)	1.340(0.751)	1.300	49.2
CLOM(X5678)	-5.798(0.448)	0.068(0.566)	0.623(0.793)	1.305(0.902)	1.335	50.6
MSLOM(X7X8)	-4.266(0.411)	-0.108(0.487)	0.205(0.608)	1.093(0.647)	1.547	58.6
MSLOM(X1278)	-4.233(0.416)	-0.267(0.404)	-0.029(0.506)	1.202(0.581)	1.438	54.5
MSLOM(X3478)	-4.015(0.496)	-0.309(0.425)	0.004(0.593)	1.150(0.561)	1.490	56.4
MSLOM(X5678)	-4.329(0.408)	-0.098(0.489)	0.325(0.664)	1.189(0.704)	1.451	55.0
MSLOM(X123478)	-4.078(0.427)	-0.377(0.351)	-0.134(0.465)	1.305(0.573)	1.335	50.6
MSLOM(all)	-4.139(0.423)	-0.380(0.347)	-0.039(0.511)	1.408(0.638)	1.232	46.7
DR	-5.999(0.230)	0.072(0.266)	0.629(0.379)	1.204(0.461)	1.436	54.4

Marginal: $RERI_{OR}^{true} = 2.642$, $RERI_{RR}^{true} = 2.572$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -5.5$**: prevalence** ≈ 0.018

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-4.079(0.270)	0.029(0.408)	0.402(0.518)	2.948(0.938)	0.308	11.7
CLOM(X5X6)	-4.494(0.290)	0.072(0.429)	0.574(0.588)	3.079(1.031)	0.439	16.6
CLOM(X7X8)	-4.628(0.305)	-0.158(0.346)	-0.010(0.384)	2.195(0.696)	0.445	16.9
CLOM(X5678)	-5.215(0.347)	-0.094(0.385)	0.193(0.477)	2.441(0.850)	0.199	7.5
MSLOM(X7X8)	-3.797(0.306)	-0.164(0.354)	-0.006(0.395)	1.918(0.615)	0.722	27.3
MSLOM(X1278)	-3.857(0.316)	-0.140(0.397)	-0.068(0.387)	1.917(0.653)	0.723	27.4
MSLOM(X3478)	-3.598(0.364)	-0.307(0.327)	-0.130(0.396)	2.022(0.652)	0.618	23.4
MSLOM(X5678)	-3.849(0.304)	-0.152(0.358)	0.064(0.421)	2.078(0.671)	0.562	21.3
MSLOM(X123478)	-3.724(0.328)	-0.212(0.389)	-0.137(0.371)	2.099(0.720)	0.541	20.5
MSLOM(all)	-3.776(0.324)	-0.207(0.390)	-0.076(0.394)	2.295(0.792)	0.345	13.1
DR	-5.324(0.176)	-0.092(0.182)	0.168(0.226)	2.512(0.435)	0.128	4.8

Marginal: $RERI_{OR}^{true} = 2.568$, $RERI_{RR}^{true} = 2.462$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -5$**: prevalence** ≈ 0.03

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-3.767(0.232)	-0.054(0.330)	0.762(0.536)	2.631(0.787)	0.009	0.3
CLOM(X5X6)	-4.091(0.246)	-0.023(0.344)	0.957(0.602)	2.730(0.863)	0.090	3.4
CLOM(X7X8)	-4.170(0.256)	-0.226(0.280)	0.304(0.415)	1.964(0.593)	0.676	25.6
CLOM(X5678)	-4.599(0.282)	-0.180(0.304)	0.527(0.501)	2.103(0.697)	0.537	20.3
MSLOM(X7X8)	-3.530(0.262)	-0.215(0.291)	0.344(0.440)	1.882(0.580)	0.758	28.7
MSLOM(X1278)	-3.643(0.273)	-0.143(0.345)	0.251(0.431)	2.323(0.786)	0.317	12.0
MSLOM(X3478)	-3.344(0.305)	-0.344(0.268)	0.225(0.454)	1.782(0.554)	0.858	32.5
MSLOM(X5678)	-3.572(0.260)	-0.206(0.293)	0.435(0.468)	1.999(0.622)	0.641	24.3
MSLOM(X123478)	-3.506(0.283)	-0.231(0.331)	0.175(0.418)	2.237(0.751)	0.403	15.3
MSLOM(all)	-3.551(0.280)	-0.226(0.331)	0.268(0.447)	2.383(0.806)	0.257	9.7
DR	-4.703(0.143)	-0.167(0.147)	0.584(0.251)	2.401(0.388)	0.239	9.1

Marginal: $RERI_{OR}^{true} = 2.444$, $RERI_{RR}^{true} = 2.287$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -4.5$**: prevalence** ≈ 0.05

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-3.486(0.203)	0.008(0.303)	1.009(0.523)	2.371(0.689)	0.269	10.2
CLOM(X5X6)	-3.832(0.216)	0.044(0.318)	1.260(0.599)	2.481(0.773)	0.159	6.0
CLOM(X7X8)	-3.904(0.226)	-0.172(0.259)	0.529(0.421)	1.829(0.547)	0.811	30.7
CLOM(X5678)	-4.387(0.252)	-0.139(0.279)	0.802(0.515)	1.993(0.658)	0.647	24.5
MSLOM(X7X8)	-3.124(0.229)	-0.269(0.234)	0.339(0.376)	1.644(0.455)	0.996	37.7
MSLOM(X1278)	-3.263(0.237)	-0.183(0.280)	0.291(0.380)	2.066(0.619)	0.574	21.7
MSLOM(X3478)	-3.036(0.255)	-0.351(0.223)	0.287(0.397)	1.688(0.468)	0.952	36.1
MSLOM(X5678)	-3.168(0.227)	-0.260(0.236)	0.429(0.400)	1.771(0.494)	0.869	32.9
MSLOM(X123478)	-3.213(0.242)	-0.232(0.278)	0.266(0.381)	2.099(0.626)	0.541	20.5
MSLOM(all)	-3.253(0.239)	-0.233(0.277)	0.356(0.406)	2.255(0.674)	0.385	14.6
DR	-4.389(0.123)	-0.267(0.112)	0.599(0.216)	2.214(0.321)	0.426	16.1

Marginal: $RERI_{OR}^{true} = 2.319$, $RERI_{RR}^{true} = 2.091$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -4$**: prevalence** ≈ 0.08

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-2.897(0.155)	-0.105(0.211)	0.757(0.360)	1.870(0.466)	0.770	29.2
CLOM(X5X6)	-3.197(0.166)	-0.081(0.221)	0.970(0.413)	1.988(0.532)	0.652	24.7
CLOM(X7X8)	-3.332(0.178)	-0.292(0.179)	0.331(0.296)	1.524(0.383)	1.116	42.3
CLOM(X5678)	-3.762(0.199)	-0.277(0.190)	0.537(0.358)	1.654(0.459)	0.986	37.3
MSLOM(X7X8)	-2.592(0.180)	-0.319(0.173)	0.243(0.280)	1.246(0.314)	1.394	52.8
MSLOM(X1278)	-2.675(0.183)	-0.308(0.186)	0.191(0.282)	1.556(0.396)	1.084	41.1
MSLOM(X3478)	-2.551(0.195)	-0.370(0.169)	0.220(0.295)	1.327(0.326)	1.313	49.7
MSLOM(X5678)	-2.631(0.179)	-0.314(0.174)	0.328(0.298)	1.316(0.336)	1.324	50.2
MSLOM(X123478)	-2.655(0.190)	-0.337(0.188)	0.175(0.287)	1.626(0.406)	1.014	38.4
MSLOM(all)	-2.684(0.191)	-0.344(0.186)	0.252(0.307)	1.696(0.428)	0.944	35.8
DR	-3.781(0.099)	-0.351(0.081)	0.459(0.163)	1.673(0.223)	0.967	36.6

Marginal: $RERI_{OR}^{true} = 2.157$, $RERI_{RR}^{true} = 1.844$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -3$**: prevalence** ≈ 0.18

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-2.212(0.116)	0.363(0.220)	0.714(0.267)	1.638(0.385)	1.002	38.0
CLOM(X5X6)	-2.468(0.124)	0.429(0.238)	0.936(0.312)	1.878(0.460)	0.762	28.9
CLOM(X7X8)	-2.625(0.136)	0.238(0.221)	0.438(0.250)	1.659(0.400)	0.981	37.2
CLOM(X5678)	-3.039(0.152)	0.320(0.250)	0.668(0.308)	2.057(0.523)	0.583	22.1
MSLOM(X7X8)	-1.917(0.136)	0.061(0.187)	0.233(0.211)	1.169(0.282)	1.471	55.7
MSLOM(X1278)	-1.996(0.136)	0.172(0.227)	0.178(0.212)	1.355(0.349)	1.285	48.7
MSLOM(X3478)	-1.916(0.141)	0.023(0.188)	0.192(0.214)	1.305(0.297)	1.335	50.6
MSLOM(X5678)	-1.954(0.135)	0.074(0.189)	0.314(0.225)	1.248(0.300)	1.392	52.7
MSLOM(X123478)	-2.008(0.139)	0.115(0.214)	0.138(0.209)	1.531(0.362)	1.109	42.0
MSLOM(all)	-2.037(0.139)	0.109(0.213)	0.210(0.223)	1.620(0.380)	1.020	38.6
DR	-2.903(0.074)	0.129(0.102)	0.457(0.129)	2.046(0.233)	0.594	22.5

Marginal: $RERI_{OR}^{true} = 1.951$, $RERI_{RR}^{true} = 1.384$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -2$**: prevalence** ≈ 0.4

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-1.577(0.092)	0.525(0.194)	0.695(0.214)	1.747(0.357)	0.893	33.8
CLOM(X5X6)	-1.755(0.097)	0.614(0.213)	0.908(0.251)	2.096(0.437)	0.544	20.6
CLOM(X7X8)	-1.844(0.106)	0.524(0.217)	0.554(0.221)	2.059(0.434)	0.581	22.0
CLOM(X5678)	-2.126(0.116)	0.669(0.252)	0.801(0.272)	2.742(0.594)	0.102	3.9
MSLOM(X7X8)	-1.451(0.106)	0.391(0.192)	0.445(0.198)	1.283(0.310)	1.357	51.4
MSLOM(X1278)	-1.480(0.108)	0.453(0.219)	0.481(0.227)	1.110(0.356)	1.530	58.0
MSLOM(X3478)	-1.458(0.106)	0.385(0.196)	0.465(0.206)	1.266(0.322)	1.374	52.0
MSLOM(X5678)	-1.479(0.106)	0.401(0.193)	0.518(0.208)	1.393(0.327)	1.247	47.2
MSLOM(X123478)	-1.492(0.109)	0.461(0.225)	0.521(0.239)	1.092(0.375)	1.548	58.6
MSLOM(all)	-1.515(0.109)	0.450(0.223)	0.602(0.253)	1.165(0.390)	1.475	55.9
DR	-2.115(0.059)	0.654(0.123)	0.817(0.135)	2.698(0.289)	0.058	2.2

Marginal: $RERI_{OR}^{true} = 1.760$, $RERI_{RR}^{true} = 0.906$; Conditional: $RERI_{OR}^{true} = 2.64$

$\beta_0 = -1$**: prevalence** ≈ 0.6

Model	β_0	β_1	β_2	β_3	Abs. Bias	Bias(%)
Default LOM	-0.749(0.074)	0.357(0.145)	0.427(0.153)	2.007(0.332)	0.633	24.0
CLOM(X5X6)	-0.864(0.079)	0.436(0.162)	0.607(0.182)	2.532(0.428)	0.108	4.1
CLOM(X7X8)	-0.802(0.085)	0.332(0.161)	0.283(0.157)	2.309(0.401)	0.331	12.5
CLOM(X5678)	-0.973(0.092)	0.458(0.190)	0.480(0.195)	3.312(0.596)	0.672	25.5
MSLOM(X7X8)	-0.658(0.084)	0.292(0.148)	0.260(0.144)	1.353(0.283)	1.287	48.8
MSLOM(X1278)	-0.712(0.089)	0.441(0.183)	0.345(0.178)	1.259(0.351)	1.381	52.3
MSLOM(X3478)	-0.619(0.087)	0.251(0.149)	0.233(0.147)	1.271(0.280)	1.369	51.9
MSLOM(X5678)	-0.681(0.084)	0.298(0.148)	0.322(0.151)	1.457(0.298)	1.183	44.8
MSLOM(X123478)	-0.684(0.092)	0.396(0.184)	0.330(0.181)	1.117(0.343)	1.523	57.7
MSLOM(all)	-0.705(0.092)	0.380(0.182)	0.404(0.191)	1.201(0.359)	1.439	54.5
DR	-1.005(0.047)	0.528(0.098)	0.551(0.100)	2.979(0.277)	0.339	12.8

Marginal: $RERI_{OR}^{true} = 1.681$, $RERI_{RR}^{true} = 0.521$; Conditional: $RERI_{OR}^{true} = 2.64$