Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01419

Time: 11:57:21 Log-Likelihood: -14999.

converged: True LL-Null: -15215.

LLR p-value: 2.915e-88

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2167 0.071 -31.392 0.000 -2.355 -2.078

MIN -0.3136 0.034 -9.151 0.000 -0.381 -0.246

Age\_BMI 0.1872 0.014 13.166 0.000 0.159 0.215

Birth\_year -0.1041 0.016 -6.539 0.000 -0.135 -0.073

dapar\_3gr 0.0490 0.016 3.042 0.002 0.017 0.080

Educ\_GE11YN 0.0088 0.016 0.559 0.576 -0.022 0.039

Eshkol\_3gr 0.1356 0.016 8.529 0.000 0.104 0.167

Israeli 0.1723 0.055 3.160 0.002 0.065 0.279

has\_allele 0.1715 0.062 2.746 0.006 0.049 0.294

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:21 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.522e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2087 0.071 -31.307 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.141 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.121 0.000 0.159 0.214

Birth\_year -0.1069 0.016 -6.716 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.147 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.603 0.000 0.106 0.168

Israeli 0.1738 0.055 3.186 0.001 0.067 0.281

has\_allele 0.0430 0.100 0.431 0.666 -0.152 0.238

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:21 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.836e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2069 0.071 -31.276 0.000 -2.345 -2.069

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.113 0.000 0.159 0.214

Birth\_year -0.1080 0.016 -6.782 0.000 -0.139 -0.077

dapar\_3gr 0.0509 0.016 3.167 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.567 0.570 -0.022 0.040

Eshkol\_3gr 0.1370 0.016 8.620 0.000 0.106 0.168

Israeli 0.1743 0.055 3.197 0.001 0.067 0.281

has\_allele -0.0621 0.108 -0.575 0.565 -0.274 0.150

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:22 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.778e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2099 0.071 -31.318 0.000 -2.348 -2.072

MIN -0.3130 0.034 -9.135 0.000 -0.380 -0.246

Age\_BMI 0.1867 0.014 13.131 0.000 0.159 0.215

Birth\_year -0.1067 0.016 -6.711 0.000 -0.138 -0.076

dapar\_3gr 0.0505 0.016 3.140 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1364 0.016 8.583 0.000 0.105 0.168

Israeli 0.1736 0.055 3.183 0.001 0.067 0.280

has\_allele 0.1006 0.106 0.947 0.344 -0.108 0.309

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01401

Time: 11:57:22 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 4.094e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2102 0.071 -31.329 0.000 -2.348 -2.072

MIN -0.3134 0.034 -9.147 0.000 -0.381 -0.246

Age\_BMI 0.1867 0.014 13.134 0.000 0.159 0.215

Birth\_year -0.1056 0.016 -6.629 0.000 -0.137 -0.074

dapar\_3gr 0.0503 0.016 3.126 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.557 0.578 -0.022 0.039

Eshkol\_3gr 0.1363 0.016 8.578 0.000 0.105 0.167

Israeli 0.1732 0.055 3.176 0.001 0.066 0.280

has\_allele 0.1359 0.097 1.400 0.161 -0.054 0.326

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:22 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.038e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.301 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.753 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1742 0.055 3.194 0.001 0.067 0.281

has\_allele -0.0126 0.130 -0.097 0.923 -0.267 0.242

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01405

Time: 11:57:22 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 2.545e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2108 0.071 -31.335 0.000 -2.349 -2.073

MIN -0.3135 0.034 -9.149 0.000 -0.381 -0.246

Age\_BMI 0.1866 0.014 13.131 0.000 0.159 0.215

Birth\_year -0.1063 0.016 -6.691 0.000 -0.137 -0.075

dapar\_3gr 0.0508 0.016 3.163 0.002 0.019 0.082

Educ\_GE11YN 0.0090 0.016 0.572 0.567 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.604 0.000 0.106 0.168

Israeli 0.1739 0.055 3.188 0.001 0.067 0.281

has\_allele 0.2011 0.116 1.735 0.083 -0.026 0.428

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:22 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.133e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2077 0.071 -31.298 0.000 -2.346 -2.069

MIN -0.3130 0.034 -9.134 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.121 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.749 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.151 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.559 0.576 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.600 0.000 0.106 0.168

Israeli 0.1746 0.055 3.202 0.001 0.068 0.282

has\_allele -0.0732 0.143 -0.513 0.608 -0.353 0.206

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01402

Time: 11:57:22 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.912e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2056 0.071 -31.262 0.000 -2.344 -2.067

MIN -0.3134 0.034 -9.145 0.000 -0.381 -0.246

Age\_BMI 0.1862 0.014 13.098 0.000 0.158 0.214

Birth\_year -0.1087 0.016 -6.832 0.000 -0.140 -0.078

dapar\_3gr 0.0513 0.016 3.190 0.001 0.020 0.083

Educ\_GE11YN 0.0088 0.016 0.564 0.572 -0.022 0.040

Eshkol\_3gr 0.1374 0.016 8.644 0.000 0.106 0.169

Israeli 0.1751 0.055 3.210 0.001 0.068 0.282

has\_allele -0.1629 0.118 -1.380 0.168 -0.394 0.068

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01452

Time: 11:57:23 Log-Likelihood: -14994.

converged: True LL-Null: -15215.

LLR p-value: 2.217e-90

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2021 0.071 -31.212 0.000 -2.340 -2.064

MIN -0.3139 0.034 -9.158 0.000 -0.381 -0.247

Age\_BMI 0.1869 0.014 13.146 0.000 0.159 0.215

Birth\_year -0.1056 0.016 -6.648 0.000 -0.137 -0.074

dapar\_3gr 0.0496 0.016 3.085 0.002 0.018 0.081

Educ\_GE11YN 0.0090 0.016 0.577 0.564 -0.022 0.040

Eshkol\_3gr 0.1360 0.016 8.558 0.000 0.105 0.167

Israeli 0.1755 0.055 3.218 0.001 0.069 0.282

has\_allele -0.8306 0.229 -3.632 0.000 -1.279 -0.382

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:23 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.041e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2081 0.071 -31.302 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.756 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1741 0.055 3.192 0.001 0.067 0.281

has\_allele 0.0080 0.147 0.055 0.956 -0.281 0.297

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:23 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.024e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2079 0.071 -31.301 0.000 -2.346 -2.070

MIN -0.3131 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.748 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.156 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.606 0.000 0.106 0.168

Israeli 0.1743 0.055 3.196 0.001 0.067 0.281

has\_allele -0.0293 0.153 -0.191 0.848 -0.329 0.270

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:23 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.038e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2073 0.071 -31.288 0.000 -2.346 -2.069

MIN -0.3131 0.034 -9.135 0.000 -0.380 -0.246

Age\_BMI 0.1863 0.014 13.105 0.000 0.158 0.214

Birth\_year -0.1077 0.016 -6.776 0.000 -0.139 -0.077

dapar\_3gr 0.0509 0.016 3.168 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.571 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.614 0.000 0.106 0.168

Israeli 0.1743 0.055 3.197 0.001 0.067 0.281

has\_allele -0.0668 0.125 -0.534 0.594 -0.312 0.179

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01408

Time: 11:57:23 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 1.641e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2149 0.071 -31.358 0.000 -2.353 -2.076

MIN -0.3136 0.034 -9.150 0.000 -0.381 -0.246

Age\_BMI 0.1869 0.014 13.141 0.000 0.159 0.215

Birth\_year -0.1058 0.016 -6.653 0.000 -0.137 -0.075

dapar\_3gr 0.0502 0.016 3.124 0.002 0.019 0.082

Educ\_GE11YN 0.0090 0.016 0.577 0.564 -0.022 0.040

Eshkol\_3gr 0.1365 0.016 8.592 0.000 0.105 0.168

Israeli 0.1783 0.055 3.267 0.001 0.071 0.285

has\_allele 0.2443 0.122 1.996 0.046 0.004 0.484

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01400

Time: 11:57:23 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 5.455e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2068 0.071 -31.280 0.000 -2.345 -2.068

MIN -0.3130 0.034 -9.134 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.112 0.000 0.159 0.214

Birth\_year -0.1082 0.016 -6.805 0.000 -0.139 -0.077

dapar\_3gr 0.0513 0.016 3.189 0.001 0.020 0.083

Educ\_GE11YN 0.0089 0.016 0.566 0.571 -0.022 0.040

Eshkol\_3gr 0.1370 0.016 8.619 0.000 0.106 0.168

Israeli 0.1747 0.055 3.204 0.001 0.068 0.282

has\_allele -0.1538 0.137 -1.123 0.262 -0.422 0.115

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:23 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.001e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.306 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.762 0.000 -0.139 -0.076

dapar\_3gr 0.0509 0.016 3.163 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.612 0.000 0.106 0.168

Israeli 0.1740 0.055 3.190 0.001 0.067 0.281

has\_allele 0.0487 0.168 0.289 0.772 -0.281 0.379

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:24 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.987e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.304 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.141 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.745 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.155 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.604 0.000 0.106 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele 0.0436 0.147 0.297 0.766 -0.244 0.331

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:24 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.917e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2077 0.071 -31.295 0.000 -2.346 -2.069

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.116 0.000 0.159 0.214

Birth\_year -0.1076 0.016 -6.764 0.000 -0.139 -0.076

dapar\_3gr 0.0509 0.016 3.165 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.565 0.572 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.612 0.000 0.106 0.168

Israeli 0.1743 0.055 3.197 0.001 0.067 0.281

has\_allele -0.0440 0.139 -0.317 0.752 -0.316 0.228

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:24 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.024e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.305 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.746 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.154 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1740 0.055 3.191 0.001 0.067 0.281

has\_allele 0.0298 0.154 0.194 0.847 -0.272 0.332

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01400

Time: 11:57:24 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 5.051e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.310 0.000 -2.347 -2.070

MIN -0.3136 0.034 -9.151 0.000 -0.381 -0.246

Age\_BMI 0.1864 0.014 13.111 0.000 0.159 0.214

Birth\_year -0.1079 0.016 -6.791 0.000 -0.139 -0.077

dapar\_3gr 0.0511 0.016 3.178 0.001 0.020 0.083

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1371 0.016 8.628 0.000 0.106 0.168

Israeli 0.1732 0.055 3.177 0.001 0.066 0.280

has\_allele 0.2302 0.184 1.250 0.211 -0.131 0.591

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:24 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.276e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2091 0.071 -31.315 0.000 -2.347 -2.071

MIN -0.3131 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.121 0.000 0.159 0.214

Birth\_year -0.1067 0.016 -6.711 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.148 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.594 0.000 0.105 0.168

Israeli 0.1736 0.055 3.183 0.001 0.067 0.280

has\_allele 0.1173 0.135 0.867 0.386 -0.148 0.382

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:24 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.406e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2072 0.071 -31.287 0.000 -2.345 -2.069

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.742 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.152 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.568 0.570 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1742 0.055 3.195 0.001 0.067 0.281

has\_allele -0.1326 0.204 -0.649 0.517 -0.533 0.268

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:25 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.725e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2089 0.071 -31.312 0.000 -2.347 -2.071

MIN -0.3131 0.034 -9.137 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.116 0.000 0.159 0.214

Birth\_year -0.1075 0.016 -6.770 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.161 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.601 0.000 0.106 0.168

Israeli 0.1737 0.055 3.186 0.001 0.067 0.281

has\_allele 0.1441 0.181 0.795 0.427 -0.211 0.500

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:25 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.042e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2081 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.756 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele 0.0031 0.185 0.017 0.987 -0.360 0.367

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01406

Time: 11:57:25 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 2.190e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2094 0.071 -31.323 0.000 -2.348 -2.071

MIN -0.3137 0.034 -9.154 0.000 -0.381 -0.247

Age\_BMI 0.1867 0.014 13.132 0.000 0.159 0.215

Birth\_year -0.1060 0.016 -6.669 0.000 -0.137 -0.075

dapar\_3gr 0.0503 0.016 3.128 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.570 0.569 -0.022 0.040

Eshkol\_3gr 0.1362 0.016 8.571 0.000 0.105 0.167

Israeli 0.1732 0.055 3.176 0.001 0.066 0.280

has\_allele 0.2519 0.137 1.836 0.066 -0.017 0.521

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:25 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.980e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.305 0.000 -2.346 -2.070

MIN -0.3133 0.034 -9.141 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.116 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.758 0.000 -0.138 -0.076

dapar\_3gr 0.0509 0.016 3.163 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.610 0.000 0.106 0.168

Israeli 0.1738 0.055 3.187 0.001 0.067 0.281

has\_allele 0.0597 0.199 0.300 0.764 -0.330 0.449

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01401

Time: 11:57:25 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 4.488e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2094 0.071 -31.318 0.000 -2.348 -2.071

MIN -0.3129 0.034 -9.132 0.000 -0.380 -0.246

Age\_BMI 0.1866 0.014 13.123 0.000 0.159 0.214

Birth\_year -0.1077 0.016 -6.782 0.000 -0.139 -0.077

dapar\_3gr 0.0507 0.016 3.157 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.560 0.576 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.601 0.000 0.106 0.168

Israeli 0.1735 0.055 3.182 0.001 0.067 0.280

has\_allele 0.2768 0.204 1.355 0.175 -0.124 0.677

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01401

Time: 11:57:25 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 4.495e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2090 0.071 -31.316 0.000 -2.347 -2.071

MIN -0.3136 0.034 -9.152 0.000 -0.381 -0.246

Age\_BMI 0.1866 0.014 13.124 0.000 0.159 0.214

Birth\_year -0.1065 0.016 -6.699 0.000 -0.138 -0.075

dapar\_3gr 0.0500 0.016 3.110 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.571 0.568 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.597 0.000 0.105 0.168

Israeli 0.1736 0.055 3.184 0.001 0.067 0.281

has\_allele 0.2005 0.150 1.340 0.180 -0.093 0.494

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01410

Time: 11:57:25 Log-Likelihood: -15000.

converged: True LL-Null: -15215.

LLR p-value: 1.135e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2059 0.071 -31.268 0.000 -2.344 -2.068

MIN -0.3130 0.034 -9.132 0.000 -0.380 -0.246

Age\_BMI 0.1863 0.014 13.108 0.000 0.158 0.214

Birth\_year -0.1086 0.016 -6.834 0.000 -0.140 -0.077

dapar\_3gr 0.0516 0.016 3.207 0.001 0.020 0.083

Educ\_GE11YN 0.0090 0.016 0.572 0.567 -0.022 0.040

Eshkol\_3gr 0.1370 0.016 8.626 0.000 0.106 0.168

Israeli 0.1748 0.055 3.205 0.001 0.068 0.282

has\_allele -0.3645 0.181 -2.013 0.044 -0.719 -0.010

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:26 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.782e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2070 0.071 -31.287 0.000 -2.345 -2.069

MIN -0.3134 0.034 -9.146 0.000 -0.381 -0.246

Age\_BMI 0.1864 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.750 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.153 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.565 0.572 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.598 0.000 0.105 0.168

Israeli 0.1746 0.055 3.202 0.001 0.068 0.281

has\_allele -0.2106 0.232 -0.906 0.365 -0.666 0.245

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:26 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.011e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.297 0.000 -2.346 -2.070

MIN -0.3131 0.034 -9.136 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.761 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.162 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.565 0.572 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.610 0.000 0.106 0.168

Israeli 0.1741 0.055 3.192 0.001 0.067 0.281

has\_allele -0.0414 0.166 -0.249 0.803 -0.368 0.285

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:26 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.198e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2076 0.071 -31.296 0.000 -2.346 -2.069

MIN -0.3132 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.116 0.000 0.159 0.214

Birth\_year -0.1069 0.016 -6.728 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.151 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.554 0.579 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.593 0.000 0.105 0.168

Israeli 0.1745 0.055 3.200 0.001 0.068 0.281

has\_allele -0.1667 0.245 -0.682 0.495 -0.646 0.313

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:26 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.742e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2086 0.071 -31.311 0.000 -2.347 -2.070

MIN -0.3134 0.034 -9.144 0.000 -0.381 -0.246

Age\_BMI 0.1866 0.014 13.125 0.000 0.159 0.214

Birth\_year -0.1067 0.016 -6.710 0.000 -0.138 -0.075

dapar\_3gr 0.0505 0.016 3.138 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.593 0.000 0.105 0.168

Israeli 0.1735 0.055 3.182 0.001 0.067 0.280

has\_allele 0.1596 0.166 0.960 0.337 -0.166 0.486

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01403

Time: 11:57:26 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.133e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2097 0.071 -31.323 0.000 -2.348 -2.071

MIN -0.3135 0.034 -9.147 0.000 -0.381 -0.246

Age\_BMI 0.1867 0.014 13.136 0.000 0.159 0.215

Birth\_year -0.1063 0.016 -6.690 0.000 -0.137 -0.075

dapar\_3gr 0.0503 0.016 3.126 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1363 0.016 8.580 0.000 0.105 0.167

Israeli 0.1738 0.055 3.187 0.001 0.067 0.281

has\_allele 0.2461 0.153 1.611 0.107 -0.053 0.546

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01399

Time: 11:57:26 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 5.999e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2072 0.071 -31.292 0.000 -2.345 -2.069

MIN -0.3129 0.034 -9.131 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.110 0.000 0.158 0.214

Birth\_year -0.1076 0.016 -6.777 0.000 -0.139 -0.077

dapar\_3gr 0.0511 0.016 3.175 0.001 0.020 0.083

Educ\_GE11YN 0.0089 0.016 0.567 0.570 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1743 0.055 3.197 0.001 0.067 0.281

has\_allele -0.2063 0.201 -1.028 0.304 -0.599 0.187

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01404

Time: 11:57:27 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 2.625e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.300 0.000 -2.346 -2.070

MIN -0.3127 0.034 -9.124 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.112 0.000 0.159 0.214

Birth\_year -0.1085 0.016 -6.823 0.000 -0.140 -0.077

dapar\_3gr 0.0511 0.016 3.181 0.001 0.020 0.083

Educ\_GE11YN 0.0089 0.016 0.567 0.571 -0.022 0.040

Eshkol\_3gr 0.1371 0.016 8.628 0.000 0.106 0.168

Israeli 0.1754 0.055 3.217 0.001 0.069 0.282

has\_allele -0.3261 0.204 -1.597 0.110 -0.726 0.074

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:27 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.022e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2085 0.071 -31.297 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.746 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1744 0.055 3.197 0.001 0.067 0.281

has\_allele 0.0415 0.207 0.201 0.841 -0.364 0.447

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01402

Time: 11:57:27 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.953e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2067 0.071 -31.286 0.000 -2.345 -2.068

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.111 0.000 0.158 0.214

Birth\_year -0.1069 0.016 -6.729 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.152 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.559 0.576 -0.022 0.039

Eshkol\_3gr 0.1364 0.016 8.584 0.000 0.105 0.168

Israeli 0.1744 0.055 3.199 0.001 0.068 0.281

has\_allele -0.3933 0.297 -1.322 0.186 -0.976 0.190

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:27 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.522e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2103 0.071 -31.296 0.000 -2.349 -2.072

MIN -0.3132 0.034 -9.141 0.000 -0.380 -0.246

Age\_BMI 0.1866 0.014 13.125 0.000 0.159 0.214

Birth\_year -0.1070 0.016 -6.733 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.156 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.610 0.000 0.106 0.168

Israeli 0.1757 0.055 3.219 0.001 0.069 0.283

has\_allele 0.1199 0.185 0.650 0.516 -0.242 0.482

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:27 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.952e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2061 0.071 -31.255 0.000 -2.344 -2.068

MIN -0.3130 0.034 -9.134 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.114 0.000 0.159 0.214

Birth\_year -0.1077 0.016 -6.779 0.000 -0.139 -0.077

dapar\_3gr 0.0508 0.016 3.161 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.611 0.000 0.106 0.168

Israeli 0.1727 0.055 3.165 0.002 0.066 0.280

has\_allele -0.1521 0.210 -0.726 0.468 -0.563 0.259

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01403

Time: 11:57:27 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.026e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2057 0.071 -31.266 0.000 -2.344 -2.067

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1867 0.014 13.136 0.000 0.159 0.215

Birth\_year -0.1069 0.016 -6.732 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.154 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.571 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.594 0.000 0.105 0.168

Israeli 0.1737 0.055 3.186 0.001 0.067 0.281

has\_allele -0.3573 0.238 -1.504 0.133 -0.823 0.108

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:28 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.295e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2089 0.071 -31.313 0.000 -2.347 -2.071

MIN -0.3134 0.034 -9.144 0.000 -0.381 -0.246

Age\_BMI 0.1865 0.014 13.123 0.000 0.159 0.214

Birth\_year -0.1065 0.016 -6.699 0.000 -0.138 -0.075

dapar\_3gr 0.0507 0.016 3.153 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.559 0.576 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.597 0.000 0.105 0.168

Israeli 0.1742 0.055 3.194 0.001 0.067 0.281

has\_allele 0.1541 0.178 0.868 0.385 -0.194 0.502

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:28 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.088e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.301 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.116 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.743 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.152 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.571 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.602 0.000 0.106 0.168

Israeli 0.1744 0.055 3.199 0.001 0.068 0.281

has\_allele -0.1345 0.260 -0.518 0.605 -0.643 0.375

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01400

Time: 11:57:28 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 4.995e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2072 0.071 -31.291 0.000 -2.345 -2.069

MIN -0.3128 0.034 -9.129 0.000 -0.380 -0.246

Age\_BMI 0.1863 0.014 13.107 0.000 0.158 0.214

Birth\_year -0.1076 0.016 -6.775 0.000 -0.139 -0.076

dapar\_3gr 0.0510 0.016 3.174 0.002 0.020 0.083

Educ\_GE11YN 0.0089 0.016 0.565 0.572 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.617 0.000 0.106 0.168

Israeli 0.1743 0.055 3.196 0.001 0.067 0.281

has\_allele -0.2607 0.222 -1.177 0.239 -0.695 0.173

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:28 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.749e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.301 0.000 -2.346 -2.070

MIN -0.3130 0.034 -9.134 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.114 0.000 0.159 0.214

Birth\_year -0.1070 0.016 -6.734 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.147 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.572 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.596 0.000 0.105 0.168

Israeli 0.1745 0.055 3.201 0.001 0.068 0.281

has\_allele -0.2081 0.277 -0.753 0.452 -0.750 0.334

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01399

Time: 11:57:28 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.029e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2065 0.071 -31.275 0.000 -2.345 -2.068

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1863 0.014 13.102 0.000 0.158 0.214

Birth\_year -0.1080 0.016 -6.796 0.000 -0.139 -0.077

dapar\_3gr 0.0510 0.016 3.172 0.002 0.019 0.083

Educ\_GE11YN 0.0089 0.016 0.568 0.570 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1739 0.055 3.189 0.001 0.067 0.281

has\_allele -0.2136 0.209 -1.023 0.306 -0.623 0.196

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01401

Time: 11:57:28 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 4.177e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2088 0.071 -31.316 0.000 -2.347 -2.071

MIN -0.3135 0.034 -9.147 0.000 -0.381 -0.246

Age\_BMI 0.1864 0.014 13.114 0.000 0.159 0.214

Birth\_year -0.1064 0.016 -6.698 0.000 -0.138 -0.075

dapar\_3gr 0.0504 0.016 3.137 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.555 0.579 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.598 0.000 0.105 0.168

Israeli 0.1736 0.055 3.183 0.001 0.067 0.280

has\_allele 0.2625 0.186 1.408 0.159 -0.103 0.628

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:29 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.455e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2075 0.071 -31.295 0.000 -2.346 -2.069

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.114 0.000 0.159 0.214

Birth\_year -0.1078 0.016 -6.785 0.000 -0.139 -0.077

dapar\_3gr 0.0509 0.016 3.169 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.567 0.571 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.619 0.000 0.106 0.168

Israeli 0.1746 0.055 3.202 0.001 0.068 0.282

has\_allele -0.1688 0.210 -0.806 0.420 -0.579 0.242

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:29 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.108e-87

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coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.309 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1075 0.016 -6.768 0.000 -0.139 -0.076

dapar\_3gr 0.0509 0.016 3.167 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.601 0.000 0.106 0.168

Israeli 0.1736 0.055 3.183 0.001 0.067 0.280

has\_allele 0.1724 0.236 0.731 0.465 -0.290 0.635

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01399

Time: 11:57:29 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.249e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2092 0.071 -31.317 0.000 -2.347 -2.071

MIN -0.3130 0.034 -9.135 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1066 0.016 -6.707 0.000 -0.138 -0.075

dapar\_3gr 0.0506 0.016 3.150 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.572 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.598 0.000 0.105 0.168

Israeli 0.1739 0.055 3.189 0.001 0.067 0.281

has\_allele 0.1944 0.186 1.044 0.296 -0.170 0.559

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:29 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.658e-87

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coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2086 0.071 -31.311 0.000 -2.347 -2.070

MIN -0.3131 0.034 -9.136 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.114 0.000 0.159 0.214

Birth\_year -0.1076 0.016 -6.772 0.000 -0.139 -0.076

dapar\_3gr 0.0509 0.016 3.166 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.618 0.000 0.106 0.168

Israeli 0.1736 0.055 3.184 0.001 0.067 0.280

has\_allele 0.1869 0.230 0.811 0.417 -0.265 0.639

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:29 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.026e-86

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coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.305 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.759 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1741 0.055 3.192 0.001 0.067 0.281

has\_allele 0.0473 0.262 0.180 0.857 -0.466 0.561

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:29 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.039e-86

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coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.299 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.757 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1741 0.055 3.194 0.001 0.067 0.281

has\_allele -0.0178 0.206 -0.086 0.931 -0.422 0.386

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:29 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.797e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2079 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3130 0.034 -9.134 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.743 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.594 0.000 0.105 0.168

Israeli 0.1745 0.055 3.201 0.001 0.068 0.281

has\_allele -0.2423 0.327 -0.741 0.459 -0.883 0.399

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01400

Time: 11:57:30 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 5.308e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2071 0.071 -31.289 0.000 -2.345 -2.069

MIN -0.3130 0.034 -9.135 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1070 0.016 -6.735 0.000 -0.138 -0.076

dapar\_3gr 0.0509 0.016 3.165 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.605 0.000 0.106 0.168

Israeli 0.1741 0.055 3.194 0.001 0.067 0.281

has\_allele -0.3461 0.311 -1.112 0.266 -0.956 0.264

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:30 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.690e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.309 0.000 -2.347 -2.070

MIN -0.3134 0.034 -9.145 0.000 -0.381 -0.246

Age\_BMI 0.1866 0.014 13.127 0.000 0.159 0.214

Birth\_year -0.1069 0.016 -6.729 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.149 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.603 0.000 0.106 0.168

Israeli 0.1737 0.055 3.186 0.001 0.067 0.281

has\_allele 0.1525 0.190 0.802 0.423 -0.220 0.525

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:30 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.625e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2073 0.071 -31.293 0.000 -2.346 -2.069

MIN -0.3134 0.034 -9.144 0.000 -0.381 -0.246

Age\_BMI 0.1864 0.014 13.116 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.748 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.154 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.610 0.000 0.106 0.168

Israeli 0.1744 0.055 3.199 0.001 0.068 0.281

has\_allele -0.2309 0.300 -0.771 0.441 -0.818 0.356

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:30 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.475e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.301 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1075 0.016 -6.766 0.000 -0.139 -0.076

dapar\_3gr 0.0509 0.016 3.165 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.617 0.000 0.106 0.168

Israeli 0.1744 0.055 3.199 0.001 0.068 0.281

has\_allele -0.0933 0.214 -0.435 0.664 -0.514 0.327

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01403

Time: 11:57:30 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.088e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2074 0.071 -31.293 0.000 -2.346 -2.069

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1067 0.016 -6.716 0.000 -0.138 -0.076

dapar\_3gr 0.0504 0.016 3.133 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.569 0.569 -0.022 0.040

Eshkol\_3gr 0.1365 0.016 8.588 0.000 0.105 0.168

Israeli 0.1750 0.055 3.209 0.001 0.068 0.282

has\_allele -0.5256 0.363 -1.449 0.147 -1.237 0.185

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:30 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.310e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2076 0.071 -31.295 0.000 -2.346 -2.069

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.756 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.152 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.598 0.000 0.105 0.168

Israeli 0.1740 0.055 3.192 0.001 0.067 0.281

has\_allele -0.1472 0.314 -0.469 0.639 -0.762 0.468

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:30 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.050e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2074 0.071 -31.292 0.000 -2.346 -2.069

MIN -0.3129 0.034 -9.131 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.765 0.000 -0.139 -0.076

dapar\_3gr 0.0507 0.016 3.155 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.601 0.000 0.106 0.168

Israeli 0.1740 0.055 3.191 0.001 0.067 0.281

has\_allele -0.2177 0.252 -0.864 0.388 -0.712 0.276

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01414

Time: 11:57:31 Log-Likelihood: -15000.

converged: True LL-Null: -15215.

LLR p-value: 6.362e-88

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2065 0.071 -31.279 0.000 -2.345 -2.068

MIN -0.3130 0.034 -9.132 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.113 0.000 0.159 0.214

Birth\_year -0.1085 0.016 -6.829 0.000 -0.140 -0.077

dapar\_3gr 0.0513 0.016 3.192 0.001 0.020 0.083

Educ\_GE11YN 0.0089 0.016 0.567 0.571 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.606 0.000 0.106 0.168

Israeli 0.1747 0.055 3.203 0.001 0.068 0.282

has\_allele -0.6189 0.285 -2.168 0.030 -1.178 -0.059

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01426

Time: 11:57:31 Log-Likelihood: -14998.

converged: True LL-Null: -15215.

LLR p-value: 1.038e-88

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2102 0.071 -31.331 0.000 -2.349 -2.072

MIN -0.3135 0.034 -9.148 0.000 -0.381 -0.246

Age\_BMI 0.1866 0.014 13.129 0.000 0.159 0.214

Birth\_year -0.1058 0.016 -6.658 0.000 -0.137 -0.075

dapar\_3gr 0.0506 0.016 3.145 0.002 0.019 0.082

Educ\_GE11YN 0.0090 0.016 0.576 0.565 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.617 0.000 0.106 0.168

Israeli 0.1728 0.055 3.169 0.002 0.066 0.280

has\_allele 0.5546 0.170 3.263 0.001 0.221 0.888

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01409

Time: 11:57:31 Log-Likelihood: -15000.

converged: True LL-Null: -15215.

LLR p-value: 1.286e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2094 0.071 -31.322 0.000 -2.348 -2.071

MIN -0.3131 0.034 -9.137 0.000 -0.380 -0.246

Age\_BMI 0.1863 0.014 13.105 0.000 0.158 0.214

Birth\_year -0.1082 0.016 -6.811 0.000 -0.139 -0.077

dapar\_3gr 0.0509 0.016 3.163 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.605 0.000 0.106 0.168

Israeli 0.1733 0.055 3.177 0.001 0.066 0.280

has\_allele 0.5028 0.229 2.191 0.028 0.053 0.952

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01403

Time: 11:57:31 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.353e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2091 0.071 -31.319 0.000 -2.347 -2.071

MIN -0.3136 0.034 -9.152 0.000 -0.381 -0.246

Age\_BMI 0.1866 0.014 13.130 0.000 0.159 0.215

Birth\_year -0.1067 0.016 -6.716 0.000 -0.138 -0.076

dapar\_3gr 0.0505 0.016 3.141 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.560 0.575 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.595 0.000 0.105 0.168

Israeli 0.1741 0.055 3.192 0.001 0.067 0.281

has\_allele 0.3190 0.202 1.579 0.114 -0.077 0.715

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01426

Time: 11:57:31 Log-Likelihood: -14998.

converged: True LL-Null: -15215.

LLR p-value: 9.885e-89

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2059 0.071 -31.272 0.000 -2.344 -2.068

MIN -0.3129 0.034 -9.131 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.113 0.000 0.159 0.214

Birth\_year -0.1084 0.016 -6.825 0.000 -0.140 -0.077

dapar\_3gr 0.0509 0.016 3.165 0.002 0.019 0.082

Educ\_GE11YN 0.0086 0.016 0.550 0.582 -0.022 0.039

Eshkol\_3gr 0.1373 0.016 8.639 0.000 0.106 0.168

Israeli 0.1747 0.055 3.204 0.001 0.068 0.282

has\_allele -0.8668 0.323 -2.680 0.007 -1.501 -0.233

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:31 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.876e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.301 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.749 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.603 0.000 0.106 0.168

Israeli 0.1743 0.055 3.197 0.001 0.067 0.281

has\_allele -0.0944 0.289 -0.327 0.744 -0.660 0.471

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01406

Time: 11:57:32 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 2.147e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2060 0.071 -31.273 0.000 -2.344 -2.068

MIN -0.3135 0.034 -9.150 0.000 -0.381 -0.246

Age\_BMI 0.1863 0.014 13.106 0.000 0.158 0.214

Birth\_year -0.1066 0.016 -6.713 0.000 -0.138 -0.075

dapar\_3gr 0.0502 0.016 3.123 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.567 0.570 -0.022 0.040

Eshkol\_3gr 0.1363 0.016 8.577 0.000 0.105 0.167

Israeli 0.1742 0.055 3.194 0.001 0.067 0.281

has\_allele -0.6272 0.387 -1.623 0.105 -1.385 0.130

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01404

Time: 11:57:32 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 2.869e-87

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coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2044 0.071 -31.242 0.000 -2.343 -2.066

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1867 0.014 13.136 0.000 0.159 0.215

Birth\_year -0.1076 0.016 -6.779 0.000 -0.139 -0.077

dapar\_3gr 0.0511 0.016 3.180 0.001 0.020 0.083

Educ\_GE11YN 0.0090 0.016 0.571 0.568 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.606 0.000 0.106 0.168

Israeli 0.1717 0.055 3.147 0.002 0.065 0.279

has\_allele -0.4529 0.299 -1.514 0.130 -1.039 0.133

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:32 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.795e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2077 0.071 -31.299 0.000 -2.346 -2.069

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1866 0.014 13.128 0.000 0.159 0.214

Birth\_year -0.1070 0.016 -6.739 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.154 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.602 0.000 0.106 0.168

Israeli 0.1746 0.055 3.202 0.001 0.068 0.281

has\_allele -0.3075 0.345 -0.891 0.373 -0.984 0.369

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:32 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.321e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2075 0.071 -31.293 0.000 -2.346 -2.069

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.764 0.000 -0.139 -0.076

dapar\_3gr 0.0506 0.016 3.149 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.558 0.577 -0.022 0.039

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele -0.1356 0.290 -0.468 0.640 -0.704 0.432

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:32 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.334e-87

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coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.300 0.000 -2.346 -2.070

MIN -0.3133 0.034 -9.141 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.753 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1744 0.055 3.198 0.001 0.067 0.281

has\_allele -0.1525 0.329 -0.464 0.643 -0.797 0.492

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01402

Time: 11:57:32 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.853e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2072 0.071 -31.292 0.000 -2.345 -2.069

MIN -0.3136 0.034 -9.151 0.000 -0.381 -0.246

Age\_BMI 0.1867 0.014 13.131 0.000 0.159 0.215

Birth\_year -0.1068 0.016 -6.726 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.156 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.560 0.575 -0.022 0.039

Eshkol\_3gr 0.1369 0.016 8.615 0.000 0.106 0.168

Israeli 0.1751 0.055 3.211 0.001 0.068 0.282

has\_allele -0.4566 0.344 -1.327 0.184 -1.131 0.218

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01414

Time: 11:57:32 Log-Likelihood: -15000.

converged: True LL-Null: -15215.

LLR p-value: 6.317e-88

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2081 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3137 0.034 -9.154 0.000 -0.381 -0.247

Age\_BMI 0.1861 0.014 13.094 0.000 0.158 0.214

Birth\_year -0.1081 0.016 -6.805 0.000 -0.139 -0.077

dapar\_3gr 0.0511 0.016 3.179 0.001 0.020 0.083

Educ\_GE11YN 0.0092 0.016 0.588 0.557 -0.022 0.040

Eshkol\_3gr 0.1371 0.016 8.627 0.000 0.106 0.168

Israeli 0.1723 0.055 3.159 0.002 0.065 0.279

has\_allele 0.5905 0.231 2.559 0.010 0.138 1.043

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:33 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.382e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.306 0.000 -2.346 -2.070

MIN -0.3127 0.034 -9.123 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1077 0.016 -6.776 0.000 -0.139 -0.077

dapar\_3gr 0.0509 0.016 3.168 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.612 0.000 0.106 0.168

Israeli 0.1743 0.055 3.196 0.001 0.067 0.281

has\_allele -0.1697 0.261 -0.650 0.516 -0.682 0.342

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01401

Time: 11:57:33 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 4.316e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2098 0.071 -31.323 0.000 -2.348 -2.071

MIN -0.3131 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1066 0.016 -6.712 0.000 -0.138 -0.075

dapar\_3gr 0.0505 0.016 3.144 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.572 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.604 0.000 0.106 0.168

Israeli 0.1745 0.055 3.199 0.001 0.068 0.281

has\_allele 0.3037 0.219 1.389 0.165 -0.125 0.732

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01402

Time: 11:57:33 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.954e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2101 0.071 -31.327 0.000 -2.348 -2.072

MIN -0.3126 0.034 -9.122 0.000 -0.380 -0.245

Age\_BMI 0.1867 0.014 13.132 0.000 0.159 0.215

Birth\_year -0.1068 0.016 -6.721 0.000 -0.138 -0.076

dapar\_3gr 0.0505 0.016 3.139 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.570 0.569 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.594 0.000 0.105 0.168

Israeli 0.1741 0.055 3.192 0.001 0.067 0.281

has\_allele 0.3343 0.229 1.462 0.144 -0.114 0.783

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:33 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.687e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2075 0.071 -31.295 0.000 -2.346 -2.069

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.115 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.760 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.162 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.572 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.613 0.000 0.106 0.168

Israeli 0.1743 0.055 3.196 0.001 0.067 0.281

has\_allele -0.1601 0.269 -0.595 0.552 -0.688 0.367

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:33 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.006e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2081 0.071 -31.306 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.752 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.607 0.000 0.106 0.168

Israeli 0.1740 0.055 3.190 0.001 0.067 0.281

has\_allele 0.0697 0.256 0.273 0.785 -0.431 0.571

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:33 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.731e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3130 0.034 -9.135 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.116 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.764 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.162 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.611 0.000 0.106 0.168

Israeli 0.1742 0.055 3.195 0.001 0.067 0.281

has\_allele -0.0937 0.254 -0.369 0.712 -0.591 0.404

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:34 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.687e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2085 0.071 -31.309 0.000 -2.347 -2.070

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.110 0.000 0.158 0.214

Birth\_year -0.1073 0.016 -6.757 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.147 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.560 0.575 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.599 0.000 0.105 0.168

Israeli 0.1742 0.055 3.194 0.001 0.067 0.281

has\_allele 0.1512 0.244 0.620 0.535 -0.326 0.629

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01401

Time: 11:57:34 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 4.185e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2096 0.071 -31.324 0.000 -2.348 -2.071

MIN -0.3133 0.034 -9.143 0.000 -0.380 -0.246

Age\_BMI 0.1866 0.014 13.123 0.000 0.159 0.214

Birth\_year -0.1066 0.016 -6.712 0.000 -0.138 -0.075

dapar\_3gr 0.0507 0.016 3.153 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.555 0.579 -0.022 0.039

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1745 0.055 3.200 0.001 0.068 0.281

has\_allele 0.3022 0.214 1.413 0.158 -0.117 0.721

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:34 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.896e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.306 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.141 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.762 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1740 0.055 3.191 0.001 0.067 0.281

has\_allele 0.0997 0.303 0.330 0.742 -0.493 0.693

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:34 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.808e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2076 0.071 -31.298 0.000 -2.346 -2.069

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.123 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.759 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.151 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.572 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.616 0.000 0.106 0.168

Israeli 0.1746 0.055 3.202 0.001 0.068 0.281

has\_allele -0.3249 0.366 -0.887 0.375 -1.043 0.393

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01409

Time: 11:57:34 Log-Likelihood: -15000.

converged: True LL-Null: -15215.

LLR p-value: 1.246e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2070 0.071 -31.289 0.000 -2.345 -2.069

MIN -0.3131 0.034 -9.136 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1069 0.016 -6.732 0.000 -0.138 -0.076

dapar\_3gr 0.0505 0.016 3.140 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.557 0.578 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.601 0.000 0.106 0.168

Israeli 0.1745 0.055 3.200 0.001 0.068 0.281

has\_allele -0.9120 0.509 -1.791 0.073 -1.910 0.086

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:34 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.371e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2083 0.071 -31.308 0.000 -2.347 -2.070

MIN -0.3131 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.765 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.611 0.000 0.106 0.168

Israeli 0.1739 0.055 3.190 0.001 0.067 0.281

has\_allele 0.1381 0.291 0.474 0.636 -0.433 0.709

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01407

Time: 11:57:35 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 1.854e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2076 0.071 -31.297 0.000 -2.346 -2.069

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1866 0.014 13.125 0.000 0.159 0.214

Birth\_year -0.1070 0.016 -6.737 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.146 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1364 0.016 8.582 0.000 0.105 0.168

Israeli 0.1751 0.055 3.212 0.001 0.068 0.282

has\_allele -0.8356 0.510 -1.637 0.102 -1.836 0.165

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:35 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.012e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.306 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.760 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.567 0.571 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.611 0.000 0.106 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele 0.0872 0.349 0.250 0.803 -0.597 0.772

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:35 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.656e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2077 0.071 -31.299 0.000 -2.346 -2.069

MIN -0.3129 0.034 -9.132 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1076 0.016 -6.775 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.163 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1370 0.016 8.619 0.000 0.106 0.168

Israeli 0.1742 0.055 3.195 0.001 0.067 0.281

has\_allele -0.2073 0.270 -0.769 0.442 -0.736 0.321

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01413

Time: 11:57:35 Log-Likelihood: -15000.

converged: True LL-Null: -15215.

LLR p-value: 7.465e-88

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2063 0.071 -31.279 0.000 -2.345 -2.068

MIN -0.3131 0.034 -9.135 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.113 0.000 0.159 0.214

Birth\_year -0.1063 0.016 -6.693 0.000 -0.137 -0.075

dapar\_3gr 0.0506 0.016 3.145 0.002 0.019 0.082

Educ\_GE11YN 0.0086 0.016 0.552 0.581 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.599 0.000 0.105 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele -0.9080 0.455 -1.995 0.046 -1.800 -0.016

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:35 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.460e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2090 0.071 -31.316 0.000 -2.347 -2.071

MIN -0.3131 0.034 -9.135 0.000 -0.380 -0.246

Age\_BMI 0.1866 0.014 13.124 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.754 0.000 -0.138 -0.076

dapar\_3gr 0.0505 0.016 3.144 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.570 0.569 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.598 0.000 0.105 0.168

Israeli 0.1740 0.055 3.190 0.001 0.067 0.281

has\_allele 0.2551 0.251 1.018 0.309 -0.236 0.746

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01403

Time: 11:57:35 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.381e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2089 0.071 -31.315 0.000 -2.347 -2.071

MIN -0.3133 0.034 -9.143 0.000 -0.380 -0.246

Age\_BMI 0.1867 0.014 13.133 0.000 0.159 0.215

Birth\_year -0.1062 0.016 -6.679 0.000 -0.137 -0.075

dapar\_3gr 0.0507 0.016 3.156 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.571 -0.022 0.040

Eshkol\_3gr 0.1365 0.016 8.590 0.000 0.105 0.168

Israeli 0.1736 0.055 3.183 0.001 0.067 0.280

has\_allele 0.3456 0.219 1.577 0.115 -0.084 0.775

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:35 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.027e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.758 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.160 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1742 0.055 3.194 0.001 0.067 0.281

has\_allele -0.0473 0.272 -0.174 0.862 -0.581 0.486

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:36 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.729e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2088 0.071 -31.311 0.000 -2.347 -2.071

MIN -0.3131 0.034 -9.137 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.110 0.000 0.158 0.214

Birth\_year -0.1074 0.016 -6.764 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.163 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1369 0.016 8.615 0.000 0.106 0.168

Israeli 0.1742 0.055 3.195 0.001 0.067 0.281

has\_allele 0.1676 0.273 0.614 0.539 -0.368 0.703

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:36 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.366e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.300 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.748 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.154 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.605 0.000 0.106 0.168

Israeli 0.1743 0.055 3.197 0.001 0.067 0.281

has\_allele -0.2954 0.462 -0.640 0.522 -1.201 0.610

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01403

Time: 11:57:36 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.196e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2075 0.071 -31.295 0.000 -2.346 -2.069

MIN -0.3130 0.034 -9.133 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.122 0.000 0.159 0.214

Birth\_year -0.1070 0.016 -6.736 0.000 -0.138 -0.076

dapar\_3gr 0.0505 0.016 3.139 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.568 0.570 -0.022 0.040

Eshkol\_3gr 0.1365 0.016 8.589 0.000 0.105 0.168

Israeli 0.1746 0.055 3.202 0.001 0.068 0.281

has\_allele -0.5911 0.418 -1.413 0.158 -1.411 0.229

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01405

Time: 11:57:36 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 2.331e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2100 0.071 -31.331 0.000 -2.348 -2.072

MIN -0.3130 0.034 -9.133 0.000 -0.380 -0.246

Age\_BMI 0.1867 0.014 13.133 0.000 0.159 0.215

Birth\_year -0.1063 0.016 -6.693 0.000 -0.137 -0.075

dapar\_3gr 0.0504 0.016 3.135 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.569 0.570 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.607 0.000 0.106 0.168

Israeli 0.1742 0.055 3.195 0.001 0.067 0.281

has\_allele 0.4215 0.230 1.835 0.067 -0.029 0.872

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01402

Time: 11:57:36 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.881e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2069 0.071 -31.286 0.000 -2.345 -2.069

MIN -0.3136 0.034 -9.152 0.000 -0.381 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1069 0.016 -6.733 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.155 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.553 0.581 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.598 0.000 0.105 0.168

Israeli 0.1745 0.055 3.200 0.001 0.068 0.281

has\_allele -0.6546 0.512 -1.278 0.201 -1.658 0.349

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:36 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.815e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.306 0.000 -2.346 -2.070

MIN -0.3133 0.034 -9.141 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.121 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.743 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.154 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.605 0.000 0.106 0.168

Israeli 0.1740 0.055 3.192 0.001 0.067 0.281

has\_allele 0.1001 0.282 0.355 0.723 -0.453 0.653

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:36 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.116e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2087 0.071 -31.311 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1075 0.016 -6.769 0.000 -0.139 -0.076

dapar\_3gr 0.0510 0.016 3.169 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.603 0.000 0.106 0.168

Israeli 0.1740 0.055 3.192 0.001 0.067 0.281

has\_allele 0.2682 0.294 0.911 0.362 -0.309 0.845

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:37 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.042e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.756 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele -0.0057 0.395 -0.014 0.989 -0.780 0.769

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:37 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.824e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2085 0.071 -31.309 0.000 -2.347 -2.070

MIN -0.3131 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1075 0.016 -6.767 0.000 -0.139 -0.076

dapar\_3gr 0.0510 0.016 3.173 0.002 0.020 0.083

Educ\_GE11YN 0.0087 0.016 0.554 0.580 -0.022 0.039

Eshkol\_3gr 0.1368 0.016 8.612 0.000 0.106 0.168

Israeli 0.1737 0.055 3.186 0.001 0.067 0.281

has\_allele 0.2217 0.282 0.786 0.432 -0.331 0.775

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:37 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.008e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.304 0.000 -2.346 -2.070

MIN -0.3131 0.034 -9.137 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.760 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.162 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.610 0.000 0.106 0.168

Israeli 0.1742 0.055 3.195 0.001 0.067 0.281

has\_allele -0.0749 0.291 -0.258 0.797 -0.644 0.495

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01416

Time: 11:57:37 Log-Likelihood: -14999.

converged: True LL-Null: -15215.

LLR p-value: 4.715e-88

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2104 0.071 -31.332 0.000 -2.349 -2.072

MIN -0.3130 0.034 -9.135 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.109 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.750 0.000 -0.138 -0.076

dapar\_3gr 0.0510 0.016 3.175 0.001 0.020 0.083

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1374 0.016 8.643 0.000 0.106 0.168

Israeli 0.1738 0.055 3.188 0.001 0.067 0.281

has\_allele 0.6244 0.231 2.697 0.007 0.171 1.078

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:37 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.507e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2079 0.071 -31.302 0.000 -2.346 -2.070

MIN -0.3131 0.034 -9.137 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.749 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.157 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.607 0.000 0.106 0.168

Israeli 0.1742 0.055 3.195 0.001 0.067 0.281

has\_allele -0.1554 0.367 -0.423 0.672 -0.875 0.564

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:37 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.540e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2083 0.071 -31.307 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.121 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.740 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.153 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.605 0.000 0.106 0.168

Israeli 0.1740 0.055 3.191 0.001 0.067 0.281

has\_allele 0.1106 0.257 0.431 0.667 -0.393 0.614

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01400

Time: 11:57:37 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 5.422e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2087 0.071 -31.310 0.000 -2.347 -2.070

MIN -0.3131 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.123 0.000 0.159 0.214

Birth\_year -0.1068 0.016 -6.723 0.000 -0.138 -0.076

dapar\_3gr 0.0505 0.016 3.141 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.601 0.000 0.106 0.168

Israeli 0.1736 0.055 3.183 0.001 0.067 0.280

has\_allele 0.2931 0.245 1.195 0.232 -0.188 0.774

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:38 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.037e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.300 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.757 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele -0.0279 0.281 -0.099 0.921 -0.579 0.523

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:38 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.002e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.306 0.000 -2.346 -2.070

MIN -0.3131 0.034 -9.137 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.754 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.606 0.000 0.106 0.168

Israeli 0.1739 0.055 3.189 0.001 0.067 0.281

has\_allele 0.0961 0.334 0.288 0.773 -0.558 0.750

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:38 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.729e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.310 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.123 0.000 0.159 0.214

Birth\_year -0.1070 0.016 -6.738 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.559 0.576 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.602 0.000 0.106 0.168

Israeli 0.1738 0.055 3.188 0.001 0.067 0.281

has\_allele 0.2125 0.265 0.801 0.423 -0.307 0.732

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01399

Time: 11:57:38 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.118e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2083 0.071 -31.307 0.000 -2.347 -2.070

MIN -0.3127 0.034 -9.126 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.748 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.145 0.002 0.019 0.082

Educ\_GE11YN 0.0089 0.016 0.566 0.571 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.610 0.000 0.106 0.168

Israeli 0.1744 0.055 3.199 0.001 0.068 0.281

has\_allele -0.4943 0.513 -0.964 0.335 -1.499 0.511

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01399

Time: 11:57:38 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.256e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2089 0.071 -31.314 0.000 -2.347 -2.071

MIN -0.3134 0.034 -9.145 0.000 -0.381 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1068 0.016 -6.719 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.147 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.603 0.000 0.106 0.168

Israeli 0.1744 0.055 3.198 0.001 0.068 0.281

has\_allele 0.2651 0.252 1.052 0.293 -0.229 0.759

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:38 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.955e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.305 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.114 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.760 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.160 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.611 0.000 0.106 0.168

Israeli 0.1742 0.055 3.194 0.001 0.067 0.281

has\_allele 0.0814 0.263 0.309 0.757 -0.434 0.597

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01404

Time: 11:57:39 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 2.815e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.306 0.000 -2.346 -2.070

MIN -0.3134 0.034 -9.144 0.000 -0.381 -0.246

Age\_BMI 0.1863 0.014 13.108 0.000 0.158 0.214

Birth\_year -0.1078 0.016 -6.787 0.000 -0.139 -0.077

dapar\_3gr 0.0508 0.016 3.160 0.002 0.019 0.082

Educ\_GE11YN 0.0091 0.016 0.578 0.563 -0.022 0.040

Eshkol\_3gr 0.1365 0.016 8.592 0.000 0.105 0.168

Israeli 0.1731 0.055 3.174 0.002 0.066 0.280

has\_allele 0.4979 0.287 1.732 0.083 -0.066 1.061

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:39 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.040e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2081 0.071 -31.305 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.757 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele 0.0271 0.396 0.069 0.945 -0.748 0.803

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:39 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.344e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.308 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.123 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.748 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.158 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.560 0.575 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.604 0.000 0.106 0.168

Israeli 0.1740 0.055 3.192 0.001 0.067 0.281

has\_allele 0.1354 0.282 0.480 0.631 -0.417 0.688

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01422

Time: 11:57:39 Log-Likelihood: -14998.

converged: True LL-Null: -15215.

LLR p-value: 1.967e-88

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2064 0.071 -31.281 0.000 -2.345 -2.068

MIN -0.3136 0.034 -9.151 0.000 -0.381 -0.246

Age\_BMI 0.1863 0.014 13.110 0.000 0.158 0.214

Birth\_year -0.1066 0.016 -6.714 0.000 -0.138 -0.075

dapar\_3gr 0.0504 0.016 3.137 0.002 0.019 0.082

Educ\_GE11YN 0.0090 0.016 0.574 0.566 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.593 0.000 0.105 0.168

Israeli 0.1750 0.055 3.209 0.001 0.068 0.282

has\_allele -1.5429 0.714 -2.161 0.031 -2.942 -0.144

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:39 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.754e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.307 0.000 -2.347 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.122 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.744 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.153 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.606 0.000 0.106 0.168

Israeli 0.1741 0.055 3.193 0.001 0.067 0.281

has\_allele 0.0983 0.264 0.373 0.709 -0.419 0.616

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:39 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.848e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2085 0.071 -31.311 0.000 -2.347 -2.070

MIN -0.3130 0.034 -9.133 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.114 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.745 0.000 -0.138 -0.076

dapar\_3gr 0.0509 0.016 3.168 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.595 0.000 0.105 0.168

Israeli 0.1738 0.055 3.188 0.001 0.067 0.281

has\_allele 0.2991 0.380 0.788 0.431 -0.445 1.043

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:39 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.030e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2079 0.071 -31.300 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.758 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.160 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.610 0.000 0.106 0.168

Israeli 0.1741 0.055 3.192 0.001 0.067 0.281

has\_allele -0.0472 0.304 -0.155 0.877 -0.642 0.548

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:40 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.029e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.302 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.141 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.747 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.157 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.603 0.000 0.106 0.168

Israeli 0.1744 0.055 3.198 0.001 0.068 0.281

has\_allele -0.2212 0.423 -0.523 0.601 -1.050 0.607

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:40 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.511e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2079 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.748 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.154 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.556 0.578 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.603 0.000 0.106 0.168

Israeli 0.1743 0.055 3.197 0.001 0.067 0.281

has\_allele -0.1777 0.422 -0.421 0.674 -1.006 0.650

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:40 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.499e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.300 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.746 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.149 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.573 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.600 0.000 0.106 0.168

Israeli 0.1744 0.055 3.199 0.001 0.068 0.281

has\_allele -0.3573 0.461 -0.775 0.438 -1.261 0.546

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:40 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.989e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2069 0.071 -31.284 0.000 -2.345 -2.069

MIN -0.3131 0.034 -9.136 0.000 -0.380 -0.246

Age\_BMI 0.1863 0.014 13.109 0.000 0.158 0.214

Birth\_year -0.1074 0.016 -6.765 0.000 -0.139 -0.076

dapar\_3gr 0.0507 0.016 3.155 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1368 0.016 8.607 0.000 0.106 0.168

Israeli 0.1733 0.055 3.178 0.001 0.066 0.280

has\_allele -0.3599 0.421 -0.854 0.393 -1.186 0.466

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:40 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.989e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2082 0.071 -31.306 0.000 -2.346 -2.070

MIN -0.3131 0.034 -9.137 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.761 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.161 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.612 0.000 0.106 0.168

Israeli 0.1740 0.055 3.191 0.001 0.067 0.281

has\_allele 0.1108 0.370 0.299 0.765 -0.615 0.836

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:40 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.040e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2081 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.119 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.753 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.157 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.563 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1742 0.055 3.194 0.001 0.067 0.281

has\_allele 0.0201 0.291 0.069 0.945 -0.551 0.591

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:40 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 8.309e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2103 0.071 -31.295 0.000 -2.349 -2.072

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.112 0.000 0.159 0.214

Birth\_year -0.1073 0.016 -6.758 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.160 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1762 0.055 3.226 0.001 0.069 0.283

has\_allele 0.2061 0.296 0.697 0.486 -0.374 0.786

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01398

Time: 11:57:41 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 6.525e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.300 0.000 -2.346 -2.070

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.120 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.752 0.000 -0.138 -0.076

dapar\_3gr 0.0508 0.016 3.163 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.560 0.575 -0.022 0.039

Eshkol\_3gr 0.1366 0.016 8.597 0.000 0.105 0.168

Israeli 0.1746 0.055 3.203 0.001 0.068 0.282

has\_allele -0.4219 0.461 -0.915 0.360 -1.325 0.481

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:41 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.001e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2080 0.071 -31.303 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.139 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1072 0.016 -6.752 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.157 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.561 0.575 -0.022 0.039

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1742 0.055 3.195 0.001 0.067 0.281

has\_allele -0.1191 0.424 -0.281 0.779 -0.951 0.712

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01402

Time: 11:57:41 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.837e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2077 0.071 -31.299 0.000 -2.346 -2.069

MIN -0.3130 0.034 -9.133 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.122 0.000 0.159 0.214

Birth\_year -0.1069 0.016 -6.735 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.149 0.002 0.019 0.082

Educ\_GE11YN 0.0090 0.016 0.572 0.567 -0.022 0.040

Eshkol\_3gr 0.1366 0.016 8.597 0.000 0.105 0.168

Israeli 0.1744 0.055 3.199 0.001 0.068 0.281

has\_allele -0.6572 0.512 -1.285 0.199 -1.660 0.345

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01403

Time: 11:57:41 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.187e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2084 0.071 -31.309 0.000 -2.347 -2.070

MIN -0.3135 0.034 -9.150 0.000 -0.381 -0.246

Age\_BMI 0.1865 0.014 13.122 0.000 0.159 0.214

Birth\_year -0.1066 0.016 -6.709 0.000 -0.138 -0.075

dapar\_3gr 0.0509 0.016 3.163 0.002 0.019 0.082

Educ\_GE11YN 0.0087 0.016 0.554 0.579 -0.022 0.039

Eshkol\_3gr 0.1368 0.016 8.607 0.000 0.106 0.168

Israeli 0.1737 0.055 3.185 0.001 0.067 0.281

has\_allele 0.4410 0.270 1.636 0.102 -0.087 0.969

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01395

Time: 11:57:41 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 1.013e-86

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2076 0.071 -31.289 0.000 -2.346 -2.069

MIN -0.3131 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1864 0.014 13.117 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.761 0.000 -0.139 -0.076

dapar\_3gr 0.0508 0.016 3.159 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.564 0.573 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.609 0.000 0.106 0.168

Israeli 0.1738 0.055 3.186 0.001 0.067 0.281

has\_allele -0.0754 0.316 -0.239 0.811 -0.695 0.544

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01397

Time: 11:57:41 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 7.907e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2078 0.071 -31.301 0.000 -2.346 -2.070

MIN -0.3132 0.034 -9.140 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.118 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.742 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.147 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.562 0.574 -0.022 0.040

Eshkol\_3gr 0.1368 0.016 8.608 0.000 0.106 0.168

Israeli 0.1744 0.055 3.199 0.001 0.068 0.281

has\_allele -0.3021 0.422 -0.716 0.474 -1.129 0.525

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01400

Time: 11:57:42 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 5.124e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2086 0.071 -31.312 0.000 -2.347 -2.070

MIN -0.3133 0.034 -9.142 0.000 -0.380 -0.246

Age\_BMI 0.1866 0.014 13.125 0.000 0.159 0.214

Birth\_year -0.1068 0.016 -6.723 0.000 -0.138 -0.076

dapar\_3gr 0.0506 0.016 3.149 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.559 0.576 -0.022 0.039

Eshkol\_3gr 0.1365 0.016 8.589 0.000 0.105 0.168

Israeli 0.1738 0.055 3.187 0.001 0.067 0.281

has\_allele 0.3248 0.260 1.250 0.211 -0.185 0.834

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01402

Time: 11:57:42 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 3.752e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2093 0.071 -31.320 0.000 -2.348 -2.071

MIN -0.3134 0.034 -9.145 0.000 -0.381 -0.246

Age\_BMI 0.1865 0.014 13.124 0.000 0.159 0.214

Birth\_year -0.1067 0.016 -6.713 0.000 -0.138 -0.076

dapar\_3gr 0.0507 0.016 3.152 0.002 0.019 0.082

Educ\_GE11YN 0.0091 0.016 0.579 0.563 -0.022 0.040

Eshkol\_3gr 0.1367 0.016 8.600 0.000 0.106 0.168

Israeli 0.1745 0.055 3.201 0.001 0.068 0.281

has\_allele 0.3822 0.253 1.509 0.131 -0.114 0.879

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01396

Time: 11:57:42 Log-Likelihood: -15002.

converged: True LL-Null: -15215.

LLR p-value: 9.344e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2074 0.071 -31.288 0.000 -2.346 -2.069

MIN -0.3132 0.034 -9.138 0.000 -0.380 -0.246

Age\_BMI 0.1865 0.014 13.121 0.000 0.159 0.214

Birth\_year -0.1074 0.016 -6.763 0.000 -0.139 -0.076

dapar\_3gr 0.0507 0.016 3.151 0.002 0.019 0.082

Educ\_GE11YN 0.0088 0.016 0.560 0.575 -0.022 0.039

Eshkol\_3gr 0.1367 0.016 8.605 0.000 0.106 0.168

Israeli 0.1737 0.055 3.185 0.001 0.067 0.281

has\_allele -0.1523 0.330 -0.461 0.644 -0.799 0.495

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 54703

Model: Logit Df Residuals: 54694

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01406

Time: 11:57:42 Log-Likelihood: -15001.

converged: True LL-Null: -15215.

LLR p-value: 1.927e-87

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.2075 0.071 -31.296 0.000 -2.346 -2.069

MIN -0.3134 0.034 -9.145 0.000 -0.381 -0.246

Age\_BMI 0.1864 0.014 13.111 0.000 0.159 0.214

Birth\_year -0.1071 0.016 -6.746 0.000 -0.138 -0.076

dapar\_3gr 0.0509 0.016 3.165 0.002 0.019 0.082

Educ\_GE11YN 0.0086 0.016 0.550 0.582 -0.022 0.039

Eshkol\_3gr 0.1368 0.016 8.607 0.000 0.106 0.168

Israeli 0.1748 0.055 3.207 0.001 0.068 0.282

has\_allele -1.1052 0.718 -1.539 0.124 -2.512 0.302

===============================================================================

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