Table 1. Ten most popular physical activities in previous year, from ALS1617, England 2016-2017 (Women)

|  |  |  |
| --- | --- | --- |
| Women age 55-64 years | Women age 65-74 years | Women age 75+ years |
| **Activity participated in during last 12 months, %**  | **% >1 Session in last 28d** | **% participated in last year** | **% >1 Session in last 28d** | **% participated in last year** | **% >1 Session in last 28d** |
| Walk for leisure, 78.5% | 46.1 | Walk for leisure, 77.8% | 62.4 | Gardening, 62.8% | 43.3 |
| Gardening, 74.8% | 28.5 | Gardening, 75.9% | 55.0 | Walking for leisure, 50.6% | 45.3 |
| Walking for travel, 54.9% | 27.4 | Walking for travel, 48.3% | 33.2 | Walking for travel, 32.2% | 21.3 |
| Fitness classes, 33.9% | 18.9 | Fitness classes, 32.7% | 23.8 | Fitness classes, 19.1% | 12.5 |
| Swimming, 29.4% | 11.8 | Swimming, 25.0% | 13.3 | Swimming, 11.1% | 6.0 |
| Cycling for leisure, 19.8% | 7.2 | Cycling for leisure, 12.7% | 3.8 | Gym sessions, 5.9% | 2.3 |
| Gym sessions, 12.2% | 7.6 | Pilates, 11.6% | 7.9 | Exercise bike, 4.3% | 0.5 |
| Pilates, 12.0% | 4.8 | Gym sessions, 9.6% | 5.7 | Bowls or Boules, 4.2% | 2.4 |
| Exercise bike, 11.3% | 1.0 | Exercise bike, 9.6% | 1.3 | Cycling for leisure, 3.9% | 1.3 |
| Yoga, 10.9% | 4.0 | Yoga, 9.2% | 6.2 | Pilates, 3.7% | 2.1 |

*Note*: The Fitness class category can include Pilates or Yoga (there is some double counting between these categories). d=days.

Table 2. Ten most popular physical activities in previous year, from ALS1617, England 2016-2017 (Men)

|  |  |  |
| --- | --- | --- |
| Men age 55-64 years | Men age 65-74 years | Men age 75+ years |
| **Activity participated in during last 12 months, %**  | **% >1 Session in last 28d** | **% participated in last year** | **% >1 Session in last 28d** | **% participated in last year** | **% >1 Session in last 28d** |
| Walk for leisure, 76.2% | 41.7 | Walk for leisure, 79.6% | 65.5 | Gardening, 70.6% | 52.4 |
| Gardening, 74.6% | 32.8 | Gardening, 79.0% | 59.5 | Walking for leisure, 58.9% | 36.5 |
| Walking for travel, 54.6% | 27.5 | Walking for travel, 48.5% | 34.6 | Walking for travel, 33.7% | 19.4 |
| Cycling for leisure, 34.3% | 15.2 | Cycling for leisure, 25.9% | 11.6 | Cycling for leisure, 11.3% | 1.3 |
| Swimming, 22.3% | 8.4 | Swimming, 18.6% | 9.0 | Golf, 10.8% | 7.6 |
| Gym sessions, 14.0% | 10.3 | Golf, 14.8% | 10.4 | Fitness classes, 9.3% | 6.0 |
| Exercise bike, 13.0% | 1.7 | Fitness classes, 11.8% | 7.8 | Swimming, 9.09% | 4.8 |
| Golf, 13.0% | 3.9 | Gym sessions, 11.5% | 8.3 | Gym sessions, 8.1% | 2.3 |
| Fitness classes, 12.7% | 6.9 | Exercise bike, 12.1% | 2.0 | Bowls or Boules, 7.8% | 5.1 |
| Running/Jogging, 12.3% | 8.5 | Bodyweight exercises, 8.8% | 3.1 | Exercise bike, 7.77% | 0.5 |

**Table 3. Socio-economic differences by mode of response:** 48% of questionnaires were completed on paper, 52% used an online portal. These statistics show the socio-economic profile of those who completed by each mode, using raw responses available rather than re-categorisations or groupings applied in models. **Age 55-74.** England 2016-2017.

| **Variable** | **Online (#s)** | **Online (%s)** | **Paper (#s)** | **Paper (%s)** |
| --- | --- | --- | --- | --- |
| **Body mass index group**Implausible answerDon’t knowUnderweightHealthy weightOverweightObeseMorbidly obese | 1261838513,84012,6445569451 | < 0.1%7.4%1.1%40.0%35.6%15.7%1.3% | 1443756813,91212,9086229625 | < 0.1%11.5%14.7%36.0%33.4%16.1%1.6% |
|  |  |  |  |  |
| **Gender**MaleFemaleOther | 17,88517,6212 | 50.4%49.6%< 0.1% | 17,07721,6030 | 44.1%55.9%< 0.1% |
|  |  |  |  |  |
| **Deprivation decile**Unknown1 (most deprived)2345678910 (least deprived) | 22226258529883370368538474055408842274435 | < 0.1%6.3%7.3%8.4%9.5%10.4%10.8%11.4%11.5%11.9%12.5% | 03543351737973832395039364138396240613944 | na9.2%9.1%9.8%9.9%10.2%10.2%10.7%10.2%10.5%10.2% |
|  |  |  |  |  |
| **Working status**Missing/decline answerWorking full-timeWorking part-timeUnemployed < 12mthsUnemployed > 12 mthsNot working, retiredKeeping house or carerLong term sick/disabledStudent full-timeStudent part-timeOther | 1737363574223228819,11055080516211208 | 0.5%20.7%16.2%0.6%0.8%53.8%1.5%2.3%< 0.1%< 0.1%3.4% | 17197220605026949720,37549911901416831 | 4.4%18.7%15.6%0.7%1.3%52.7%1.3%3.1%< 0.1%< 0.1%2.1% |
| **Occupational group**Managerial/adminis.IntermediateSelf-employed/SMESupervisory/TechnicalRoutine/Semi-routineLong-term unemployedStudents and other | 20,8404599 307326443402325625 | 58.7%12.9%8.6%7.4%9.6%0.9%1.8% | 18,21847103578369455927012187 | 47.1%12.2%9.2%9.5%14.5%1.8%5.6% |
|  |  |  |  |  |
| **Education level**Missing/decline answerLevel 4 or aboveLevel 3 & equivalentsLevel 2 & equivalentsLevel 1 and belowAnother qualificationNo qualifications | 23318,2344110641067228453004 | 0.7%51.3%11.6%18.0%1.9%8.0%8.5% | 266314,17642306986155527246346 | 9.2%36.7%10.9%18.1%4.0%7.0%16.4% |
|  |  |  |  |  |
| **Ethnicity**Missing/decline answerWhite BritishWhite OtherSouth AsianBlackChineseMixedOther | 99332,358106651622064132159 | 2.8%91.1%3.0%1.4%0.6%0.2%0.4%0.4% | 115435,23784573533998120152 | 3.0%91.1%2.2%1.9%0.9%0.2%0.3%0.4% |
|  | Median age (yrs) |  | Median age (yrs) |  |
| **Age** (median yrs) | 63.87 |  | 64.85 |  |

Notes: adminis. = Administrative occupational group(s). Occupational groups come from national categorisation scheme described at <https://onsdigital.github.io/dp-classification-tools/standard-occupational-classification/ONS_SOC_occupation_coding_tool.html>. SEM = small/medium enterprise, mths = months, yrs=years, #= raw counts on applicable variables (all but age). “Missing/decline answer” categories also include any coding errors or when survey routing did not ask the question. Missing gender answers were excluded from this version of the dataset. Deprivation is reported such that 1 most deprived decile, 10 = least deprived decile.

**Table 4. Logit models**: decision to participate in types of physical activity, unadjusted modelling: odds ratios with 95% confidence intervals in parentheses, with p-values. **Age 55-74.** England 2016-2017.

| **Variable** | **leisure** | **gardening** | **active travel** |
| --- | --- | --- | --- |
| **Age** | 0.9674 (0.964-0.970)p < 0.001 | 1.0089 (1.006-1.012)p < 0.001 | 0.9624 (0.960-0.965)p < 0.001 |
| **Body mass index group**Healthy (ref)Over/underweightObese-morbidly obese | 1. (ref)

0.8034 (0.771-0.837)0.4753 (0.454-0.498)p < 0.001 | 1.0 (ref)1.0561 (1.019-1.094)0.9246 (0.884-0.967)p < 0.001 | 1. (ref)

0.8601 (0.829-0.892)0.7003 (0.668-0.734)p < 0.001 |
|  |  |  |  |
| **Disability** | 0.3512 (0.338-0.365)p < 0.001 | 0.7578 (0.728-0.788)p < 0.001 | 0.6621 (0.635-0.691)p < 0.001 |
|  |  |  |  |
| **Male Gender** | 1.0274 (0.994-1.062)p = 0.110 | 1.2709 (1.233 -1.310)p < 0.001 | 1.0872 (1.053-1.122)p < 0.001 |
|  |  |  |  |
| **Deprivation in highest 30% of deciles** | 0.5542 (0.534-0.575)p < 0.001 | 0.6647 (0.641-0.689)p < 0.001 | 0.9840 (0.949-1.021)p = 0.387 |
|  |  |  |  |
| **Rural/Urban category**Major Urban Minor UrbanCity and townRural townVillageHamlet | 1. (ref)

0.9917 (0.904-1.088)1.1158 (1.072-1.162)1.2205 (1.151-1.295)1.5550 (1.453-1.664)1.6252 (1.490-1.772)p < 0.001 | 1. (ref)

1.0644 (0.972-1.166)1.2301 (1.183-1.279)1.4176 (1.343-1.497)1.7984 (1.697-1.906)1.9047 (1.773-2.046)p < 0.001 | 1. (ref)

0.9039 (0.826-0.989)0.8851 (0.852-0.920)0.6655 (0.628-0.705)0.5947 (0.557-0.635)0.6013 (0.554-0.653)p < 0.001 |
| **Season (Quarter)**WinterSpringSummerAutumn | 1.0 (ref)1.0516 (1.004-1.101)1.1526 (1.097-1.211)1.1399 (1.089-1.193)p < 0.001 | 1.0 (ref)1.2311 (1.176-1.289)1.9545 (1.865-2.048)1.9152 (1.833-2.001)p < 0.001 | 1. (ref)

1.0110 (0.966-1.058)1.0389 (0.990-1.090)1.0912 (1.044-1.140)p < 0.001 |
|  |  |  |  |
| **Working status**Full-timePart-timeRetired | 1.0 (ref)1.1648 (1.098-1.236)0.8875 (0.849-0.929)p < 0.001 | 1.0 (ref)1.0891 (1.034-1.469)1.1970 (1.150-1.246)p < 0.001 | 1.0 (ref)0.9983 (0.949-1.051)0.6770 (0.650-0.705)p < 0.001 |
|  |  |  |  |
| **Occupational group**Managerial/adminis.IntermediateSelf-employed/SMELower Supervisory/TechnicalRoutine/Semi-routineLong-term unemployedStudents and other | 1.0 (ref)0.6474 (0.614-0.682)0.6055 (0.570-0.643)0.4592 (0.433-0.487)0.3656 (0.348-0.384)0.3018 (0.266-0.342)0.2622 (0.242-0.284)p < 0.001 | 1.0 (ref)0.7123 (0.678-0.748)0.8825 (0.836-0.932)0.8291 (0.784-0.877)0.6248 (0.594-0.657)0.3852 (0.329-0.451)0.4842 (0.442-0.530)p < 0.001 | 1.0 (ref)0.7266 (0.691-0.764)0.6732 (0.634-0.714)0.6388 (0.601-0.679)0.6413 (0.608-0.676)0.7995 (0.697-0.917)0.4779 (0.434-0.526)p < 0.001 |
|  |  |  |  |
| **Education level**Level 4 or aboveLevel 3 & equivalentsLevel 2 & equivalentsLevel 1 and belowAnother qualificationNo qualifications | 1. (ref)

0.6180 (0.583-0.655)0.5154 (0.491-0.541)0.3519 (0.321-0.386)0.4568 (0.428-0.487)0.2432 (0.231-0.256)p < 0.001 | 1. (ref)

0.8241 (0.783-0.867)0.7687 (0.737-0.802)0.7232 (0.659-0.794)0.8133 (0.766-0.864)0.5577 (0.530-0.587)p < 0.001 | 1. (ref)

0.7342 (0.670-0.774)0.5837 (0.558-0.611)0.5197 (0.469-0.575)0.5055 (0.473-0.541)0.401 (0.379-0.424)p < 0.001 |
| **Ethnicity**White BritishWhite OtherSouth AsianBlackChineseMixedOther | 1.0 (ref)0.9902 (0.892-1.100)0.6747 (0.599-0.760)0.7862 (0.655-0.943)0.7289 (0.523-1.016)1.0956 (0.818-1.467)0.8487 (0.663-1.087)p < 0.001 | 1.0 (ref)0.7564 (0.684-0.837)0.5110 (0.446-0.586)0.4316 (0.348-0.535)0.6904 (0.487-0.979)0.7348 (0.558-0.969)0.6617 (0.513-0.854)p < 0.001 | 1.0 (ref)1.2815 (1.164-1.411)1.0571 (0.936-1.195)1.2256 (1.027-1.463)1.3930 (1.010-1.921)1.3170 (1.015-1.708)1.4859 (1.180-1.871)p < 0.001 |

Notes: Odds ratios may be interpreted to have statistical significance when the 95% confidence interval is entirely below 1.0 (reliable negative correlation) or entirely above 1.0 (reliable positive correlation between variable and response). For categorical variables, the reference group (ref) always has a set value of 1.0 with no confidence interval.

**Table 5. Zero-truncated negative binomial models**: amount of participation in types of physical activity among those that participated at all, unadjusted modelling: incidence risk ratios (IRRs) with 95% confidence intervals in parentheses. **Age 55-74.** England 2016-2017.

| **Variable** | **leisure** | **gardening** | **active travel** |
| --- | --- | --- | --- |
| **Age** | 0.9897 (0.988-0.991)p < 0.001 | 1.0203 (1.018-1.023)p < 0.001 | 0.9902 (0.987-0.993)p < 0.001 |
| **Body mass index group**Healthy (ref)Over/underweightObese-morbidly obese | 1. (ref)

0.9406 (0.923-0.958)0.8003 (0.781-0.820)p < 0.001 | 1.0 (ref)1.0096 (0.980-1.040)0.996 (0.959-1.034)p = 0.726 | 1. (ref)

1.0359 (1.001-1.072)1.1039 (1.055-1.156)p = 0.001 |
|  |  |  |  |
| **Disability** | 0.8047 (0.787-0.823)p < 0.001 | 1.0172 (0.983 -1.053)p = 0.334 | 1.0878 (1.043-1.134)p = 0.001 |
|  |  |  |  |
| **Male Gender** | 1.1833 (1.164-1.203)p < 0.001 | 1.1150 (1.086 -1.144)p < 0.001 | 1.1892 (1.154-1.226)p < 0.001 |
|  |  |  |  |
| **Deprivation in highest 30% of deciles** | 0.9597 (0.941-0.979)p = 0.001 | 0.9746 (0.943-1.001)p = 0.121 | 1.3152 (1.270-1.362)p < 0.001 |
|  |  |  |  |
| **Rural/Urban category**Major UrbanMinor UrbanCity and townRural townVillageHamlet | 1. (ref)

0.9571 (0.912-1.005)1.0173 (0.996-1.039)1.0465 (1.016-1.078)1.0669 (1.034-1.101)1.1156 (1.073-1.160)p < 0.001 | 1.0 (ref)1.0513 (0.970-1.139)1.0820 (1.045-1.120)1.4793 (1.096-1.202)1.3604 (1.297-1.427)1.4786 (1.395-1.567)p < 0.001 | 1. (ref)

0.9430 (0.866-1.027)0.9519 (0.918-0.987)0.8496 (0.803-0.898)0.8502 (0.797-0.906)0.8432 (0.778-0.914)p < 0.001 |
| **Season (Quarter)**WinterSpringSummerAutumn | 1.0 (ref)1.0514 (1.027-1.077)1.1414 (1.113-1.170)1.1209 (1.095-1.147)p < 0.001 | 1.0 (ref)1.2155 (1.167-1.267)1.6907 (1.624-1.760)1.4486 (1.395-1.504)p < 0.001 | 1.0 (ref)1.0448 (1.000-1.091)1.1443 (1.093-1.198)1.0921 (1.047-1.139)p < 0.001 |
| **Working status**Full-timePart-timeRetired | 1.0 (ref)0.9824 (0.956-1.009)1.0043 (0.983-1.026)p = 0.168 | 1.0 (ref)1.0861 (1.039-1.135)1.3288 (1.284-1.376)p < 0.001 | 1.0 (ref)0.7925 (0.757-0.830)0.7898 (0.761-0.820)p < 0.001 |
|  |  |  |  |
| **Occupational group**Managerial/adminis.IntermediateSelf-employed/SMELower Supervisory/TechnicalRoutine/Semi-routineLong-term unemployedStudents and other | 1.0 (ref)0.8004 (0.780-0.821)0.9495 (0.921-0.978)0.9724 (0.942-1.004)0.8566 (0.832-0.881)0.8700 (0.802-0.943)0.8870 (0.843-0.934)p < 0.001 | 1.0 (ref)0.9082 (0.870-0.948)1.2415 (1.185-1.300)1.1626 (1.108-1.220)0.9487 (0.907-0.992)1.0038 (0.864-1.166)1.0017 (0.921-1.089)p < 0.001 | 1.0 (ref)0.9458 (0.901-0.993)1.0648 (1.005-1.128)1.3301 (1.253-1.412)1.3663 (1.298-1.438)1.4522 (1.273-1.656)1.3332 (1.209-1.470)p < 0.001 |
| **Education level**Level 4 or aboveLevel 3 & equivalentsLevel 2 & equivalentsLevel 1 and belowAnother qualificationNo qualifications | 1.0 (ref)0.9456 (0.920-0.971)0.8711 (0.851-0.891)0.7950 (0.754-0.838)0.8573 (0.829-0.886)0.8194 (0.796-0.844)p < 0.001 | 1.0 (ref)1.0041 (0.962-1.048)1.0136 (0.977-1.051)1.0227 (0.943-1.090)1.1033 (1.048-1.161)1.1034 (1.054-1.555)p < 0.001 | 1.0 (ref)1.1969 (1.140-1.257)1.1288 (1.081-1.179)1.1756 (1.063-1.300)1.1193 (1.048-1.958)1.3592 (1.284-1.439)p < 0.001 |
|  |  |  |  |
| **Ethnicity**White BritishWhite OtherSouth AsianBlackChineseMixedOther | 1.0 (ref)0.9912 (0.941-1.044)0.8493 (0.794-0.909)0.9079 (0.823-1.001)0.8927 (0.742-1.074)1.0064 (0.875-1.158)1.0303 (0.905-1.173)p = 0.001 | 1.0 (ref)0.8901 (0.814-0.974)0.7614 (0.670-0.865)0.9206 (0.751-1.129)0.8272 (0.604-1.134)0.7802 (0.609-0.999)0.9040 (0.717-1.139)p < 0.001 | 1.0 (ref)1.0552 (0.965-1.153)1.1267 (1.003-1.266)1.1691 (0.992-1.378)1.0446 (0.780-1.399)1.0303 (0.811-1.308)1.1535 (0.938-1.419)p = 0.108 |

Notes: Incident risk ratios (IRRs) may be interpreted to have statistical significance when the 95% confidence interval is entirely below 1.0 (reliable negative correlation) or entirely above 1.0 (reliable positive correlation between variable and response).

**List of abbreviations used in adjusted model outputs below**

\_cons = constant, model constant that indicates unadjusted baseline

Acttrav\_sub = physical activity MIEMs expended in active travel, 7 day average

Aug = August

Bmi\_sub = BMI categories reduced to 1= healthy weight, 2 = under or overweight, 3 = obese or morbidly obese

BMI = body mass index

Conf. = confidence

Conurb. = conurbation

Disab3\_sub = disabled status reduced to just 1 (yes & limiting) or 0 (no or not limiting)

Err = Error

Feb = February

FT = full time (working)

Imd10\_recl = coded 1 if in 30% most deprived areas, 0 otherwise

Lim’g disab = presence of limiting disability (or not), 1 or 0

mems7\_all\_~b = all physical activity expressed as total MIEMs, 7 day average

mems7\_sp\_sub = total leisure physical activity expressed as total MIEMs, 7 day average

MEMS7\_GAR~08 = total gardening physical activity expressed as total MIEMs, 7 day average

Obese/morbid = Obese or morbidly obese

Obs = observations (count of)

Over/under’t = over or underweight category (not obese or morbidly obese)

PA = physical activity

Nov = November

Prob = probability

PT = part time (working)

Ref = reference category (categorical variables)

Sex\_recl = gender expressed as only male or female options (others were excluded)

Std. = standard

Urbrur6\_sub = urban or rural categorisation, from major conurbation to hamlet

Workstat\_sub = working status, 1= full time, 2 = part-time, 3 = retired

Y2Q2 = Quarter 2 which is spring

Y2Q3 = Quarter 3 which is summer

Y2Q4 = Quarter 4 which is autumn

yAll = yes participated at least once in any of the forms physical activity captured in dataset

yAT = yes participated in active travel at least once

yGard = yes participated in gardening at least once

yLTPA = yes participated in leisure physical activity at least once

PREDICTING any physical activity from all types of physical activity, UNDER 65s. England 2016-2017.

Logistic regression Number of obs = 27,684

 LR chi2(16) = 828.30

 Prob > chi2 = 0.0000

Log likelihood = -11236.659 Pseudo R2 = 0.0355

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

 yAll | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9556457 .0061884 -7.01 0.000 .9435932 .9678521

 Male sex | 1.120526 .040536 3.15 0.002 1.043828 1.20286

 Lim’g disab| .541905 .0243238 -13.65 0.000 .4962681 .5917387

 |

Healthy BMI |

Over/underw’t| .8926239 .0356613 -2.84 0.004 .8253954 .9653282

Obese/morbid | .6642101 .030577 -8.89 0.000 .6069043 .7269268

 |

 Major Urban |

Minor Urban | .955819 .0874042 -0.49 0.621 .798984 1.14344

City and Town| 1.049754 .0440164 1.16 0.247 .9669331 1.139668

Rural Town | 1.097246 .0688426 1.48 0.139 .9702834 1.240822

 Village | 1.330168 .0977924 3.88 0.000 1.151668 1.536335

 Hamlet | 1.306086 .1160513 3.01 0.003 1.097334 1.55455

 |

Most deprived| .5878193 .0226569 -13.79 0.000 .5450484 .6339464

 |

Working FT | (1.0)

Working PT | 1.263041 .0563242 5.24 0.000 1.157335 1.378403

 Retired | 1.543043 .0699693 9.57 0.000 1.411823 1.686459

 |

 Nov-Feb |

Y2Q2: Feb-May| 1.119012 .0521034 2.41 0.016 1.021412 1.225938

Y2Q3: May-Aug| 1.41377 .0725065 6.75 0.000 1.278568 1.563268

Y2Q4: Aug-Nov| 1.393022 .0658775 7.01 0.000 1.269708 1.528313

 |

 Constant | 75.41763 28.90988 11.28 0.000 35.57798 159.869

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

Note: \_cons estimates baseline odds.

. . PREDICTING any LEISURE physical activity, UNDER 65s. England 2016-2017.

Logistic regression Number of obs = 27,684

 LR chi2(16) = 919.55

 Prob > chi2 = 0.0000

Log likelihood = -12869.422 Pseudo R2 = 0.0345

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

 yLTPA | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9563281 .0056679 -7.53 0.000 .9452834 .9675018

 sex\_recl | 1.035729 .0342326 1.06 0.288 .9707609 1.105044

 disab3\_sub | .5276376 .0219662 -15.36 0.000 .4862942 .5724959

 |

 bmig\_sub |

 2 | .8772944 .0320222 -3.59 0.000 .8167244 .9423564

 3 | .6187329 .026069 -11.39 0.000 .5696915 .6719961

 |

 urbrur6\_sub |

 2 | .9442668 .080641 -0.67 0.502 .7987328 1.116318

 3 | .9920247 .0385407 -0.21 0.837 .9192905 1.070513

 4 | .984078 .0558675 -0.28 0.777 .8804519 1.099901

 5 | 1.23147 .0814848 3.15 0.002 1.081685 1.401996

 6 | 1.252447 .1011428 2.79 0.005 1.069103 1.467233

 |

 imd10\_recl | .6063454 .0217022 -13.98 0.000 .5652674 .6504084

 |

Working FT | (1.0)

 Working PT | 1.226097 .0501564 4.98 0.000 1.13163 1.328451

 Retired | 1.477722 .0610492 9.45 0.000 1.362784 1.602354

 |

 Quarter |

Y2Q2: Feb.. | 1.085268 .0472783 1.88 0.060 .9964504 1.182003

Y2Q3: May.. | 1.226109 .0573653 4.36 0.000 1.118677 1.34386

Y2Q4: Aug.. | 1.211906 .0525453 4.43 0.000 1.113174 1.319396

 |

 \_cons | 66.43681 23.31606 11.96 0.000 33.39479 132.1718

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

Note: \_cons estimates baseline odds.

. . . PREDICTING any Gardening physical activity, UNDER 65s. England 2016-2017.

Logistic regression Number of obs = 27,684

 LR chi2(16) = 979.59

 Prob > chi2 = 0.0000

Log likelihood = -17359.072 Pseudo R2 = 0.0274

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

 yGard | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9949128 .0048378 -1.05 0.294 .9854759 1.00444

 sex\_recl | 1.268483 .0343688 8.78 0.000 1.202878 1.337665

 disab3\_sub | .8670898 .0344282 -3.59 0.000 .8021706 .9372629

 |

 bmig\_sub |

 2 | 1.048962 .0304114 1.65 0.099 .9910189 1.110294

 3 | 1.067806 .0391184 1.79 0.073 .9938228 1.147296

 |

 urbrur6\_sub |

 2 | 1.024309 .0779038 0.32 0.752 .8824551 1.188965

 3 | 1.214133 .0404105 5.83 0.000 1.137458 1.295977

 4 | 1.310728 .0608971 5.82 0.000 1.196645 1.435687

 5 | 1.700644 .0841007 10.74 0.000 1.543546 1.873731

 6 | 1.630537 .0968277 8.23 0.000 1.451386 1.831801

 |

 imd10\_recl | .7737542 .0253774 -7.82 0.000 .7255804 .8251265

 |

workstat\_sub |

 2 | 1.171773 .039778 4.67 0.000 1.096347 1.252389

 3 | 1.348896 .0450864 8.95 0.000 1.26336 1.440222

 |

 Quarter |

Y2Q2: Feb.. | 1.255226 .0480749 5.94 0.000 1.164451 1.353078

Y2Q3: May.. | 2.008915 .0782208 17.92 0.000 1.861309 2.168227

Y2Q4: Aug.. | 1.998953 .0731512 18.93 0.000 1.860601 2.147594

 |

 \_cons | .3113269 .0894556 -4.06 0.000 .1772699 .5467617

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

Note: \_cons estimates baseline odds.

. PREDICTING any Active Travel physical activity, UNDER 65s. England 2016-2017.

Logistic regression Number of obs = 27,684

 LR chi2(16) = 417.35

 Prob > chi2 = 0.0000

Log likelihood = -17629.32 Pseudo R2 = 0.0117

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

 yAT | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9898634 .0047555 -2.12 0.034 .9805866 .999228

 sex\_recl | 1.117447 .0299962 4.14 0.000 1.060176 1.177813

 disab3\_sub | .8127262 .0323921 -5.20 0.000 .7516552 .8787592

 |

 bmig\_sub |

 2 | .8512794 .0243188 -5.64 0.000 .8049252 .9003031

 3 | .7357475 .0270906 -8.33 0.000 .6845216 .7908069

 |

 urbrur6\_sub |

 2 | .8878914 .0635805 -1.66 0.097 .7716257 1.021676

 3 | .8824501 .0277542 -3.98 0.000 .8296957 .9385589

 4 | .6181343 .0291098 -10.21 0.000 .563634 .6779046

 5 | .5675303 .0295024 -10.90 0.000 .5125549 .6284023

 6 | .5529333 .0350099 -9.36 0.000 .4884021 .6259909

 |

 imd10\_recl | .9644398 .0302205 -1.16 0.248 .9069909 1.025528

 |

workstat\_sub |

 2 | 1.042431 .0345529 1.25 0.210 .9768615 1.112402

 3 | .9057743 .0302152 -2.97 0.003 .848448 .9669738

 |

 Quarter |

Y2Q2: Feb.. | .9916105 .0359629 -0.23 0.816 .9235714 1.064662

Y2Q3: May.. | 1.009795 .0385083 0.26 0.798 .9370713 1.088162

Y2Q4: Aug.. | 1.110974 .0392316 2.98 0.003 1.036682 1.190589

 |

 \_cons | 1.28716 .3648209 0.89 0.373 .7385429 2.24331

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

Note: \_cons estimates baseline odds.

. . PREDICTING any total physical activity, AGE 65-74. England 2016-2017.

Logistic regression Number of obs = 30,396

 LR chi2(16) = 1376.37

 Prob > chi2 = 0.0000

Log likelihood = -14487.046 Pseudo R2 = 0.0453

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

 yAll | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9443937 .0051505 -10.49 0.000 .9343526 .9545426

 sex\_recl | 1.174582 .0351251 5.38 0.000 1.107716 1.245483

 disab3\_sub | .4433214 .0146343 -24.64 0.000 .4155469 .4729523

 |

 bmig\_sub |

 2 | .8939866 .0302652 -3.31 0.001 .836593 .9553176

 3 | .6485184 .0263075 -10.68 0.000 .5989531 .7021854

 |

 urbrur6\_sub |

 2 | .9766021 .0821646 -0.28 0.778 .8281393 1.15168

 3 | 1.08364 .0395636 2.20 0.028 1.008807 1.164026

 4 | 1.170328 .0616807 2.98 0.003 1.055471 1.297685

 5 | 1.412394 .0860802 5.67 0.000 1.253367 1.591598

 6 | 1.398759 .1074675 4.37 0.000 1.203219 1.626078

 |

 imd10\_recl | .7080291 .0241808 -10.11 0.000 .6621869 .7570449

 |

workstat\_sub |

 2 | 1.650252 .1400897 5.90 0.000 1.397308 1.948986

 3 | 1.60482 .1167417 6.50 0.000 1.391574 1.850745

 |

 Quarter |

Y2Q2: Feb.. | 1.137847 .0463214 3.17 0.002 1.050586 1.232356

Y2Q3: May.. | 1.362668 .0599849 7.03 0.000 1.250029 1.485457

Y2Q4: Aug.. | 1.354448 .054751 7.51 0.000 1.251279 1.466123

 |

 \_cons | 142.9773 53.9332 13.16 0.000 68.26228 299.4699

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

Note: \_cons estimates baseline odds.

. PREDICTING any leisure physical activity, AGE 65-74. England 2016-2017.

Logistic regression Number of obs = 30,396

 LR chi2(16) = 1644.83

 Prob > chi2 = 0.0000

Log likelihood = -16450.285 Pseudo R2 = 0.0476

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

 yLTPA | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9378139 .0047109 -12.78 0.000 .928626 .9470927

 sex\_recl | 1.076361 .0296126 2.67 0.007 1.019858 1.135994

 disab3\_sub | .426015 .0131683 -27.60 0.000 .4009718 .4526222

 |

 bmig\_sub |

 2 | .8468972 .0262079 -5.37 0.000 .7970574 .8998535

 3 | .5957924 .0224338 -13.75 0.000 .5534061 .641425

 |

 urbrur6\_sub |

 2 | 1.002554 .0794397 0.03 0.974 .8583428 1.170994

 3 | 1.050631 .0357103 1.45 0.146 .9829202 1.123006

 4 | 1.09158 .0527018 1.81 0.070 .9930228 1.199919

 5 | 1.273231 .069704 4.41 0.000 1.143688 1.417447

 6 | 1.277868 .0880581 3.56 0.000 1.116425 1.462657

 |

 imd10\_recl | .7365188 .0235535 -9.56 0.000 .6917717 .7841602

 |

workstat\_sub |

 2 | 1.706338 .1337657 6.82 0.000 1.46331 1.989728

 3 | 1.606866 .1082654 7.04 0.000 1.408084 1.833711

 |

 Quarter |

Y2Q2: Feb.. | 1.090562 .0415204 2.28 0.023 1.012146 1.175054

Y2Q3: May.. | 1.163574 .0469363 3.76 0.000 1.075123 1.259302

Y2Q4: Aug.. | 1.222749 .0457597 5.37 0.000 1.136272 1.315808

 |

 \_cons | 199.7545 69.42967 15.24 0.000 101.0741 394.778

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

. PREDICTING any Gardening physical activity, AGE 65-74. England 2016-2017.

Logistic regression Number of obs = 30,396

 LR chi2(16) = 944.26

 Prob > chi2 = 0.0000

Log likelihood = -19421.984 Pseudo R2 = 0.0237

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

 yGard | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9924749 .0044703 -1.68 0.094 .9837519 1.001275

 sex\_recl | 1.341218 .0331127 11.89 0.000 1.277864 1.407714

 disab3\_sub | .8709739 .0269177 -4.47 0.000 .8197822 .9253622

 |

 bmig\_sub |

 2 | 1.073381 .0289393 2.63 0.009 1.018133 1.131626

 3 | .9921041 .0354734 -0.22 0.825 .9249577 1.064125

 |

 urbrur6\_sub |

 2 | 1.06072 .0790658 0.79 0.429 .9165418 1.227578

 3 | 1.13642 .0359376 4.04 0.000 1.068122 1.209085

 4 | 1.29862 .0560558 6.05 0.000 1.193272 1.413269

 5 | 1.576778 .0731809 9.81 0.000 1.439676 1.726936

 6 | 1.764751 .1011225 9.91 0.000 1.577278 1.974505

 |

 imd10\_recl | .7732735 .023853 -8.34 0.000 .7279078 .8214666

 |

workstat\_sub |

 2 | 1.25673 .0924642 3.11 0.002 1.087965 1.451675

 3 | 1.365213 .0891191 4.77 0.000 1.201255 1.551549

 |

 Quarter |

Y2Q2: Feb.. | 1.225173 .0439763 5.66 0.000 1.141943 1.314469

Y2Q3: May.. | 1.80542 .0664656 16.05 0.000 1.679739 1.940505

Y2Q4: Aug.. | 1.886867 .0645531 18.56 0.000 1.764494 2.017727

 |

 \_cons | .3755805 .1171828 -3.14 0.002 .2037625 .6922799

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

. . PREDICTING any Active Travel physical activity, AGE 65-74. England 2016-2017.

Logistic regression Number of obs = 30,396

 LR chi2(16) = 575.18

 Prob > chi2 = 0.0000

Log likelihood = -17164.471 Pseudo R2 = 0.0165

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

 yAT | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9557809 .0047127 -9.17 0.000 .9465887 .9650623

 sex\_recl | 1.104272 .0296215 3.70 0.000 1.047715 1.163883

 disab3\_sub | .7546298 .0263035 -8.08 0.000 .7047975 .8079856

 |

 bmig\_sub |

 2 | .8751493 .0254084 -4.59 0.000 .8267402 .926393

 3 | .7203653 .0287332 -8.22 0.000 .6661944 .7789412

 |

 urbrur6\_sub |

 2 | .8836438 .0691651 -1.58 0.114 .7579691 1.030156

 3 | .8638936 .0281972 -4.48 0.000 .8103589 .9209651

 4 | .6772095 .0323446 -8.16 0.000 .616692 .7436657

 5 | .5553198 .0300325 -10.88 0.000 .4994695 .6174152

 6 | .5581 .037977 -8.57 0.000 .4884165 .6377254

 |

 imd10\_recl | .9517997 .0310869 -1.51 0.130 .8927797 1.014721

 |

workstat\_sub |

 2 | 1.344258 .1012258 3.93 0.000 1.159806 1.558046

 3 | .9373393 .0631323 -0.96 0.337 .8214216 1.069615

 |

 Quarter |

Y2Q2: Feb.. | 1.007967 .0381736 0.21 0.834 .9358578 1.085633

Y2Q3: May.. | 1.049262 .0416189 1.21 0.225 .9707804 1.134088

Y2Q4: Aug.. | 1.10445 .0403398 2.72 0.007 1.028149 1.186414

 |

 \_cons | 10.86818 3.696622 7.01 0.000 5.580016 21.16792

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

. PREDICTING average /7 day total minutes at moderate intensity total physical activity, FOR THOSE WHO DO ANY physical activity, UNDER 65s. England 2016-2017.

Zero-truncated negative binomial regression Number of obs = 22,886

 LR chi2(16) = 819.09

Dispersion = mean Prob > chi2 = 0.0000

Log likelihood = -174704.65 Pseudo R2 = 0.0023

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

mems7\_all\_~b | IRR Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9878086 .0022711 -5.34 0.000 .9833674 .99227

 Male sex | 1.167626 .0148993 12.14 0.000 1.138786 1.197196

 Lim’g disab| .8690542 .0167639 -7.28 0.000 .8368109 .9025399

 |

 Healthy BMI |

Over/underw’t| .9378221 .0127878 -4.71 0.000 .9130903 .9632237

Obese/morbid | .8295596 .0146247 -10.60 0.000 .8013852 .8587245

 |

Major conurb.|

Minor conurb.| .9731371 .0343025 -0.77 0.440 .9081753 1.042746

 City & Town | 1.008876 .0155647 0.57 0.567 .9788265 1.039848

 Rural Town | 1.048499 .0229086 2.17 0.030 1.004547 1.094374

 Village | 1.116894 .0262486 4.70 0.000 1.066615 1.169544

 Hamlet | 1.197012 .0338618 6.36 0.000 1.13245 1.265254

 |

Most deprived| .9939988 .01534 -0.39 0.697 .9643832 1.024524

 |

Working FT | (1.0) ref

Working PT | 1.049712 .0166259 3.06 0.002 1.017627 1.082809

Retired | 1.233206 .0194765 13.27 0.000 1.195618 1.271977

 |

 Nov-Feb |

 Feb-May | 1.097085 .0189906 5.35 0.000 1.060488 1.134945

May-Aug | 1.296861 .023472 14.36 0.000 1.251663 1.343691

 Aug-Nov | 1.241023 .0209451 12.79 0.000 1.200643 1.282762

 |

 constant | 1239.467 167.9609 52.56 0.000 950.3595 1616.522

-------------+----------------------------------------------------------------

 /lnalpha | -.1750362 .0085267 -.1917482 -.1583242

-------------+----------------------------------------------------------------

 alpha | .8394266 .0071575 .8255147 .853573

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

. PREDICTING average/ 7 day leisure minutes of moderate intensity, FOR THOSE WHO DO ANY leisure physical activity, UNDER 65s. England 2016-2017.

Zero-truncated negative binomial regression Number of obs = 22,059

 LR chi2(16) = 556.98

Dispersion = mean Prob > chi2 = 0.0000

Log likelihood = -165760.75 Pseudo R2 = 0.0017

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

mems7\_sp\_sub | IRR Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9839597 .002389 -6.66 0.000 .9792885 .9886531

 sex\_recl | 1.17092 .0157804 11.71 0.000 1.140396 1.202261

 disab3\_sub | .8760789 .0180826 -6.41 0.000 .841345 .9122468

 |

 bmig\_sub |

 2 | .91826 .0131765 -5.94 0.000 .8927944 .944452

 3 | .7994662 .0150012 -11.93 0.000 .7705984 .8294154

 |

 urbrur6\_sub |

 2 | .9681966 .0360284 -0.87 0.385 .9000959 1.04145

 3 | .985594 .0160136 -0.89 0.372 .9547025 1.017485

 4 | 1.025329 .0236578 1.08 0.278 .9799932 1.072762

 5 | 1.026513 .0253279 1.06 0.289 .9780523 1.077374

 6 | 1.084655 .0321236 2.74 0.006 1.023486 1.149479

 |

 imd10\_recl | 1.007955 .0165206 0.48 0.629 .9760897 1.04086

 |

workstat\_sub |

 2 | 1.041532 .0174119 2.43 0.015 1.007958 1.076224

 3 | 1.205835 .0200671 11.25 0.000 1.167139 1.245814

 |

 Quarter |

Y2Q2: Feb.. | 1.059755 .0192956 3.19 0.001 1.022604 1.098257

Y2Q3: May.. | 1.180472 .0225024 8.70 0.000 1.137182 1.22541

Y2Q4: Aug.. | 1.15404 .0205145 8.06 0.000 1.114524 1.194956

 |

 \_cons | 1518.288 217.3773 51.16 0.000 1146.794 2010.124

-------------+----------------------------------------------------------------

 /lnalpha | -.1070603 .0087078 -.1241272 -.0899933

-------------+----------------------------------------------------------------

 alpha | .8984715 .0078237 .8832675 .9139373

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

. PREDICTING average/ 7 day gardening minutes of moderate intensity, FOR THOSE WHO DO ANY gardening physical activity, UNDER 65s. England 2016-2017.

Zero-truncated negative binomial regression Number of obs = 9,570

 LR chi2(16) = 498.21

Dispersion = mean Prob > chi2 = 0.0000

Log likelihood = -66336.211 Pseudo R2 = 0.0037

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

MEMS7\_GAR~08 | IRR Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | 1.015924 .0040649 3.95 0.000 1.007988 1.023922

 sex\_recl | 1.111639 .0243685 4.83 0.000 1.064889 1.160441

 disab3\_sub | 1.010559 .0334093 0.32 0.751 .9471548 1.078209

 |

 bmig\_sub |

 2 | .9978071 .0237251 -0.09 0.926 .9523737 1.045408

 3 | 1.004593 .0301621 0.15 0.879 .9471823 1.065484

 |

 urbrur6\_sub |

 2 | .9926287 .0643216 -0.11 0.909 .8742379 1.127052

 3 | 1.068279 .0299385 2.36 0.018 1.011183 1.128599

 4 | 1.11263 .0423506 2.80 0.005 1.032645 1.198811

 5 | 1.336934 .0521904 7.44 0.000 1.238458 1.44324

 6 | 1.511199 .0709471 8.79 0.000 1.378351 1.656851

 |

 imd10\_recl | 1.063863 .0293453 2.24 0.025 1.007875 1.122962

 |

workstat\_sub |

 2 | 1.058601 .0293353 2.06 0.040 1.002638 1.117687

 3 | 1.274995 .0345346 8.97 0.000 1.209074 1.344511

 |

 Quarter |

Y2Q2: Feb.. | 1.26423 .0420733 7.05 0.000 1.1844 1.349441

Y2Q3: May.. | 1.607244 .0523917 14.56 0.000 1.507769 1.713281

Y2Q4: Aug.. | 1.418575 .043824 11.32 0.000 1.33523 1.507122

 |

 \_cons | 83.29837 19.73327 18.67 0.000 52.3586 132.5211

-------------+----------------------------------------------------------------

 /lnalpha | .0525658 .0136122 .0258864 .0792452

-------------+----------------------------------------------------------------

 alpha | 1.053972 .0143469 1.026224 1.08247

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

PREDICTING average/ 7 day active day minutes at moderate intensity, FOR THOSE WHO DO ANY active travel physical activity, UNDER 65s. England 2016-2017.

Zero-truncated negative binomial regression Number of obs = 9,546

 LR chi2(16) = 334.18

Dispersion = mean Prob > chi2 = 0.0000

Log likelihood = -63860.743 Pseudo R2 = 0.0026

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

 acttrav\_sub | IRR Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | 1.002446 .0042891 0.57 0.568 .9940744 1.010888

 sex\_recl | 1.196636 .0283077 7.59 0.000 1.14242 1.253424

 disab3\_sub | 1.091703 .039762 2.41 0.016 1.016488 1.172484

 |

 bmig\_sub |

 2 | .9689861 .0244147 -1.25 0.211 .9222966 1.018039

 3 | 1.001284 .0331498 0.04 0.969 .9383743 1.06841

 |

 urbrur6\_sub |

 2 | .9196437 .0577332 -1.33 0.182 .8131732 1.040055

 3 | .9092445 .0247076 -3.50 0.000 .8620855 .9589833

 4 | .8930638 .0381228 -2.65 0.008 .8213849 .9709978

 5 | .8711675 .0415497 -2.89 0.004 .7934219 .9565313

 6 | .921065 .0539529 -1.40 0.160 .8211638 1.03312

 |

 imd10\_recl | 1.296218 .0358546 9.38 0.000 1.227816 1.368432

 |

workstat\_sub |

 2 | .8117822 .0234814 -7.21 0.000 .7670397 .8591345

 3 | .8176894 .0242378 -6.79 0.000 .7715377 .8666018

 |

 Quarter |

Y2Q2: Feb.. | 1.059142 .0341474 1.78 0.075 .9942852 1.12823

Y2Q3: May.. | 1.184016 .0401677 4.98 0.000 1.107849 1.26542

Y2Q4: Aug.. | 1.104325 .0344137 3.18 0.001 1.038894 1.173877

 |

 \_cons | 247.6737 62.49491 21.85 0.000 151.0422 406.1267

-------------+----------------------------------------------------------------

 /lnalpha | .1875295 .0141183 .1598581 .2152009

-------------+----------------------------------------------------------------

 alpha | 1.206266 .0170304 1.173344 1.240111

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

PREDICTING average/7 day minutes at moderate intensity FOR ANY TYPE OF PA, FOR THOSE WHO DO ANY physical activity, AGE 65-74. England 2016-2017.

Zero-truncated negative binomial regression Number of obs = 23,744

 LR chi2(16) = 1018.49

Dispersion = mean Prob > chi2 = 0.0000

Log likelihood = -180081.71 Pseudo R2 = 0.0028

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

mems7\_all\_~b | IRR Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9812468 .0021994 -8.45 0.000 .9769455 .9855671

 sex\_recl | 1.241916 .0152335 17.66 0.000 1.212415 1.272135

 disab3\_sub | .8588537 .0137968 -9.47 0.000 .8322338 .8863252

 |

 bmig\_sub |

 2 | .9501678 .0126476 -3.84 0.000 .9256996 .9752828

 3 | .8178308 .0148604 -11.07 0.000 .7892174 .8474815

 |

 urbrur6\_sub |

 2 | .9816561 .0364339 -0.50 0.618 .9127823 1.055727

 3 | 1.044906 .0162713 2.82 0.005 1.013496 1.077288

 4 | 1.095129 .0235136 4.23 0.000 1.049999 1.142198

 5 | 1.153288 .0266548 6.17 0.000 1.102211 1.206731

 6 | 1.262747 .0361844 8.14 0.000 1.193782 1.335697

 |

 imd10\_recl | .9632645 .0147709 -2.44 0.015 .9347449 .9926543

 |

workstat\_sub |

 2 | 1.125291 .0408848 3.25 0.001 1.047945 1.208346

 3 | 1.205988 .0390057 5.79 0.000 1.131911 1.284913

 |

 Quarter |

Y2Q2: Feb.. | 1.105694 .0191464 5.80 0.000 1.068798 1.143865

Y2Q3: May.. | 1.312585 .0238247 14.99 0.000 1.266711 1.360121

Y2Q4: Aug.. | 1.28725 .0215695 15.07 0.000 1.245661 1.330227

 |

 \_cons | 1777.054 275.3497 48.29 0.000 1311.624 2407.643

-------------+----------------------------------------------------------------

 /lnalpha | -.1505476 .0083778 -.1669678 -.1341274

-------------+----------------------------------------------------------------

 alpha | .8602368 .0072069 .8462268 .8744786

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

PREDICTING average/7 day LEISURE physical activity moderate intensity equivalent minutes, FOR THOSE WHO DO ANY LEISURE physical activity, AGE 65-74. England 2016-2017.

Zero-truncated negative binomial regression Number of obs = 22,310

 LR chi2(16) = 716.84

Dispersion = mean Prob > chi2 = 0.0000

Log likelihood = -165303.53 Pseudo R2 = 0.0022

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

mems7\_sp\_sub | IRR Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .9754228 .0023586 -10.29 0.000 .970811 .9800565

 sex\_recl | 1.255558 .016538 17.28 0.000 1.223559 1.288394

 disab3\_sub | .8397826 .0148264 -9.89 0.000 .8112204 .8693504

 |

 bmig\_sub |

 2 | .9198248 .0130954 -5.87 0.000 .8945131 .9458527

 3 | .7922346 .0156907 -11.76 0.000 .7620707 .8235924

 |

 urbrur6\_sub |

 2 | .9436815 .0376121 -1.45 0.146 .8727691 1.020356

 3 | 1.03703 .0173723 2.17 0.030 1.003534 1.071644

 4 | 1.075123 .0248435 3.13 0.002 1.027517 1.124935

 5 | 1.058644 .0262082 2.30 0.021 1.008503 1.111278

 6 | 1.109272 .0340173 3.38 0.001 1.044563 1.177989

 |

 imd10\_recl | .9976531 .0165294 -0.14 0.887 .9657764 1.030582

 |

workstat\_sub |

 2 | 1.101703 .0433141 2.46 0.014 1.019997 1.189953

 3 | 1.175321 .0412915 4.60 0.000 1.097115 1.259103

 |

 Quarter |

Y2Q2: Feb.. | 1.063918 .0197558 3.34 0.001 1.025893 1.103351

Y2Q3: May.. | 1.138369 .0222098 6.64 0.000 1.095661 1.182743

Y2Q4: Aug.. | 1.130617 .0203138 6.83 0.000 1.091495 1.17114

 |

 \_cons | 2554.731 427.6031 46.87 0.000 1840.237 3546.637

-------------+----------------------------------------------------------------

 /lnalpha | -.0702858 .0086891 -.0873161 -.0532555

-------------+----------------------------------------------------------------

 alpha | .9321274 .0080993 .9163874 .9481377

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

PREDICTING average/ 7 day gardening moderate intensity equivalent minutes, FOR THOSE WHO DO ANY gardening physical activity, AGE 65-74. England 2016-2017.

Zero-truncated negative binomial regression Number of obs = 11,000

 LR chi2(16) = 651.70

Dispersion = mean Prob > chi2 = 0.0000

Log likelihood = -78158.014 Pseudo R2 = 0.0042

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

MEMS7\_GAR~08 | IRR Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | 1.009903 .0036159 2.75 0.006 1.002841 1.017015

 sex\_recl | 1.149964 .0229054 7.02 0.000 1.105935 1.195746

 disab3\_sub | 1.016769 .0256695 0.66 0.510 .9676825 1.068346

 |

 bmig\_sub |

 2 | 1.00291 .0216865 0.13 0.893 .9612932 1.046328

 3 | 1.025852 .0297779 0.88 0.379 .9691176 1.085908

 |

 urbrur6\_sub |

 2 | 1.056942 .0648159 0.90 0.366 .9372422 1.191928

 3 | 1.089711 .0283446 3.30 0.001 1.035549 1.146706

 4 | 1.159169 .0400949 4.27 0.000 1.08319 1.240479

 5 | 1.399058 .0505896 9.29 0.000 1.303336 1.50181

 6 | 1.471952 .0638641 8.91 0.000 1.351955 1.602599

 |

 imd10\_recl | 1.034885 .0264102 1.34 0.179 .9843954 1.087965

 |

workstat\_sub |

 2 | 1.07561 .0645816 1.21 0.225 .9561965 1.209936

 3 | 1.187651 .063412 3.22 0.001 1.069648 1.318672

 |

 Quarter |

Y2Q2: Feb.. | 1.255555 .0379731 7.52 0.000 1.183292 1.332231

Y2Q3: May.. | 1.849777 .0556412 20.45 0.000 1.743875 1.962111

Y2Q4: Aug.. | 1.569698 .0440281 16.07 0.000 1.485733 1.658407

 |

 \_cons | 109.2016 27.16778 18.86 0.000 67.05983 177.8262

-------------+----------------------------------------------------------------

 /lnalpha | .0280384 .0125741 .0033936 .0526831

-------------+----------------------------------------------------------------

 alpha | 1.028435 .0129316 1.003399 1.054096

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

PREDICTING average/7 day ACTIVE TRAVEL moderate intensity equivalent minutes, FOR THOSE WHO DO ANY ACTIVE TRAVEL physical activity, AGE 65-74. England 2016-2017.

Zero-truncated negative binomial regression Number of obs = 7,932

 LR chi2(16) = 124.86

Dispersion = mean Prob > chi2 = 0.0000

Log likelihood = -52370.135 Pseudo R2 = 0.0012

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

 acttrav\_sub | IRR Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

 AGE | .989986 .0046955 -2.12 0.034 .9808256 .9992319

 sex\_recl | 1.1524 .0295329 5.53 0.000 1.095946 1.211762

 disab3\_sub | 1.019559 .034857 0.57 0.571 .9534795 1.090219

 |

 bmig\_sub |

 2 | .999118 .0275868 -0.03 0.975 .9464858 1.054677

 3 | 1.040445 .0404072 1.02 0.307 .9641878 1.122734

 |

 urbrur6\_sub |

 2 | .918008 .0681534 -1.15 0.249 .7936935 1.061794

 3 | 1.044177 .0321345 1.40 0.160 .9830561 1.109097

 4 | .9416118 .0437476 -1.29 0.195 .8596561 1.031381

 5 | .9011544 .0481562 -1.95 0.051 .8115447 1.000659

 6 | .8734051 .058794 -2.01 0.044 .7654492 .9965867

 |

 imd10\_recl | 1.175313 .0370211 5.13 0.000 1.104948 1.25016

 |

workstat\_sub |

 2 | .8270478 .0579913 -2.71 0.007 .7208513 .9488892

 3 | .7975857 .0505292 -3.57 0.000 .704452 .9030324

 |

 Quarter |

Y2Q2: Feb.. | 1.023341 .0372847 0.63 0.527 .9528128 1.09909

Y2Q3: May.. | 1.148797 .0436901 3.65 0.000 1.06628 1.2377

Y2Q4: Aug.. | 1.093599 .0381893 2.56 0.010 1.021253 1.171069

 |

 \_cons | 562.6947 183.9325 19.37 0.000 296.5062 1067.854

-------------+----------------------------------------------------------------

 /lnalpha | .2251956 .015699 .1944261 .2559652

-------------+----------------------------------------------------------------

 alpha | 1.252568 .0196641 1.214614 1.291708

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