**APPENDIX**

**Annex 1 Logistic Regression Limiting Long-Term Illness**

|  |  |  |  |
| --- | --- | --- | --- |
| *Activity 2001* | *Model 1* | *Model 2* | *Model 3* |
| Remained in Mining/Manufacturing (base category) |  |  |  |
| Remained in Construction/Energy | 0.99(0.83-1.18) | 0.97(0.81-1.16) | 1.02(0.85-1.22) |
| Changed Industry | 1.00 (0.76-1.32) | 0.96(0.73-1.27) | 0.99(0.75-1.30) |
| Employed in High-Paid Services(from Industry) | 1.17 (0.98-1.40) | 1.24(1.03-1.48)\*\* | 1.23(1.03-1.48)\* |
| Employed in Low-Paid Services(from Industry) | 1.29(1.06-1.56)\*\* | 1.25(1.03-1.51)\* | 1.24(1.01-1.51)\* |
| Employed in Industry  (from High-Paid Services) | 1.14(0.89-1.45) | 1.21(0.95-1.55) | 1.17(0.91-1.51) |
| Employed in Industry ( from Low-Paid Services) | 0.96(0.75-1.23) | 0.92(0.71-1.18) | 0.92(0.71-1.19) |
| Remained in High-Paid Services | 1.14(1.01-1.29)\* | 1.37(1.21-1.55)\*\* | 1.38(1.22-1.56)\*\* |
| Remained in Low-Paid Services | 1.21(1.05-1.39)\*\* | 1.18(1.02-1.36)\*\* | 1.15(1.00-1.33)\* |
| Changed Services | 1.42(1.22-1.65)\*\* | 1.45(1.25-1.68)\*\* | 1.43(1.23-1.67)\*\* |
|  |  |  |  |
| *Diagnostics (for full models including control variables and non-employed outcomes not reported)* |  |  |  |
| Pseudo R-squared | 0.2586 |  |  |
| N | 63,150 |  |  |
| LR Chi-Square(33) | 13,032.14 |  |  |
| Prob > Chi-Square | <0.0000 |  |  |

Source Scottish Longitudinal Study \*.01<p<.05 \*\*p<.01. Model 1: age sex, Model 2: age sex socio-economic, Model 3: age sex socio-economic LLTI

**Annex 2 Logistic Regression Limiting Long-Term Illness for Men and Women**

|  |  |  |
| --- | --- | --- |
| *Activity 2001* | *Men* | *Women* |
| Remained in Mining/Manufacturing (base category) |  |  |
| Remained in Construction/Energy | 1.06(0.87-1.28) | 0.65(0.27-1.53) |
| Changed Industry | 1.05(0.78-1.40) | 0.56(0.17-1.84) |
| Employed in High-Paid Services(from Industry) | 1.16(0.94-1.45) | 1.41(0.98-2.02)\* |
| Employed in Low-Paid Services(from Industry) | 1.16(0.92-1.47)  | 1.33(0.91-1.95)  |
| Employed in Industry  (from High-Paid Services) | 1.09(0.81-1.47) | 1.38(0.85- 2.24) |
| Employed in Industry ( from Low-Paid Services) | 0.86(0.63-1.17)  | 0.99(0.63-1.56) |
| Remained in High-Paid Services | 1.23(1.06-1.43)\*\* | 1.35(1.04-1.74)\* |
| Remained in Low-Paid Services | 1.18(0.99-1.41) | 1.01(0.76- 1.33) |
| Changed Services | 1.19(0.96-1.47) | 1.44(1.09-1.90)\*\* |
|  |  |  |
| *Diagnostics (for full models including control variables and non-employed outcomes not reported)* |  |  |
| Pseudo R-squared | 0.2964 | 0.2272 |
| N | 32,968 | 30,182 |
| LR Chi-Square(32) | 7,860.64 | 5,424.19 |
| Prob > Chi-Square | <0.0000 | <0.0000 |

Source Scottish Longitudinal Study \*.01<p<.05 \*\*p<.01. Model adjusted for age socio-economic LLTI

Annex 3. Standard Industrial Classification 1992 (SIC92)

|  |  |  |
| --- | --- | --- |
| **Type** | **Sector** | **Codes** |
| Manufacturing | Mining | 10-14 |
|  | Manufacturing | 15-37 150-370 |
| Energy and Construction | Energy | 400 401 402 403 41 |
|  | Construction | 45 |
| High-paid services | Finances | 65-67 |
|  | Real Estate- Business activities-Research | 70 72 73 7411-7415 742-744  |
|  | Public Administration & Social Security | 7511-7514 7521-7525 753 750 |
|  | Education | 800 801 8021 8022 8031 8032 8041 8042 |
|  | Transport Storage-Communication | 600-603 61 62 630-634 640-642 |
|  | Health and Social Work | 8511-8514 850-853 |
|  | Extra territorial Organizations | 99 |
| Low-paid services | Sales-Retail Trades | 500-505 51 52 530 |
|  | Renting | 71 |
|  | Hotel-Restaurants | 550-555 |
|  | Community Social Services | 90 91 920-927 93 |
|  | Households with employed persons | 95 |
|  | Low Business | 740 745-748 |

**Source: Scottish Longitudinal Study**

**Annex 4. Sample Description by Industrial Transition Groups**

Table A. Socio-economic Indicators 1991, by industrial transitions 1991-2001 for those employed in manufacturing in 1991- Source: SLS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Socio-economic 1991** | **Remained in** **Man./Mining**  |  **Remained**  **Construction/Energy**  | **Changed****Industry**  |  **Employed High-Paid** **Services from Industry**  | **Employed Low-Paid Services from Industry**  |  **Total** |
| ***Age 1991*** |
| 20-24 | 833 - 10% | 468 -5.6% | 180 -2. 2% | 544 - 6.5% | 365 - 4.4% | 8340-100% |
| 25-29 | 1097 - 10.8% | 567 -5.6% | 212 -2.1% | 570- 5.6% | 383 -3.8% | 10136-100% |
| 30-34 | 1041-10.4% | 588-5.9% | 186 -1.9% | 553 -5.5% | 377-3.8% | 10022- 100% |
| 35-39 | 1075-11% | 530-5.4% | 142 -1.4% | 453-4.6% | 327-3.3% | 9812- 100% |
| 40-44 | 1028-10.1% | 501-5% | 166-1.6% | 450 -4.4% | 349-3.4% | 10186 -100% |
| 45-49 | 768 -9.4% | 368-4.5% | 121-1.5% | 327-4% | 253-3.1% | 8199-100% |
| 50-54 | 320-5% | 224-3.5% | 52-0.8% | 120-1.9% | 141-2.2% | 6455- 100% |
| Total | 6162-9.8% | 3246-5.1% | 1059-1.7% | 3017-4.8% | 2195-3.5% | 63150- 100% |
| ***Gender 1991*** |
| Male | 4748-14.4% | 3055 -9.3% | 950-2.9% | 2035-6.2% | 1475-4.5% | 32968 -100% |
| Female | 1414-4.7% | 191-0.6% | 109-0.4% | 982-3.2% | 720-2.4% | 30182-100% |
| Total | 6162 -9.8% | 3246-5.1% | 1059-1.7% | 3017-4.8% | 2195-3.5% | 63150-100% |
| ***Marital Status 1991*** |
| Single | 1496-.9.9% | 752-5% | 290-1.9% | 850-5.6% | 567-3.7% | 15100-100% |
| Married /Remarried | 4422-9.9% | 2363-5.3% | 728-1.6% | 2027-4.6% | 1505-3.4% | 44506-100% |
| Divorced /Widowed | 244-6.9% | 131-3.7% | 41-1.2% | 140-3.9% | 123-3.5% | 3544-100% |
| Total | 6162-9.8% | 3246-5.1% | 1059-1.7% | 3017-4.8% | 21953.5% | 63150-100% |
| ***Educational Qualifications 1991*** |
| First Higher | 355-5.6% | 115-1.8% | 34-0.5% | 343-5.4% | 89-1.4% | 6383-100% |
| Other | 500-6.3% | 195-2.4% | 63-0.8% | 375-4.7% | 120-1.5% | 7992-100% |
| No Qualification | 5307-10.9% | 2936-6% | 962-2% | 2299-4.7% | 1986-4.1% | 48775-100% |
| Total | 6162-9.8% | 3246-5.1% | 1059-1.7% | 3017-4.8% | 2195-3.5% | 63150-100% |
| ***Car Ownership 1991*** |
| No car |  1013-9.2%  |  422-3.8%  | 172-1.6%  |  487-4.4%  | 395-3.6% | 11024-100% |
| Owns a car |  5149-9.9%  |  2824-5.4%  |  887-1.7%  | 2530 -4.8% | 1800-3.4% | 52126-100% |
| Total |  6162-9.8%  |  3246-5.1%  |  1059-1.7%  |  3017-4.8%  | 2195-3.5% | 63150-100% |
| ***Tenure 1991*** |
| Owner |  4355-9.6%  |  2337-5.2%  |  712-1.6%  |  2217-4.9%  |  1431-3.2%  |  45256-100%  |
| Social rented |  1617-10.9%  |  786-5.3%  |  306-2.1%  |  678-4.6%  |  673-4.5%  |  14834-100%  |
| Private rented |  190-6.2%  |  123-4%  |  41-1.3%  |  122-4%  |  91-3%  |  3060-100%  |
| Total |  6162-9.8%  | 3246-5.1%  |  1059-1.7%  |  3017-4.8%  | 2195 -3.5%  |  63150-100%  |
| ***Central Heating 1991*** |
| Yes | 5368-10% | 2733-5.1% | 893-1.7% | 2570-4.8% | 1827-3.4% |  53844-100%  |
| No  | 794-8.5% | 513-5.5% | 166-1.8% | 447-4.8% | 368-3.9% |  9306-100%  |
| Total  | 6162-9.8% | 3246-5.1% | 1059-1.7% | 3017-4.8% | 2195-3.5% |  63150-100%  |
| ***Rooms 1991*** |
| Two or less |  175-9%  |  90-4.6%  |  29-1.5%  |  126-6.5%  |  66-3.4%  |  1941-100%  |
| Three |  549- 9.1%  |  293- 4.9%  |  106-1.8%  |  324-5.4%  |  214-3.6%  |  6014-100%  |
| Four or more |  5438-9.8%  |  2863-5.2%  |  924-1.7%  |  2567-4.6%  |  1915-3.5%  |  55195-100%  |
| Total |  6162-9.8%  |  3246-5.1%  |  1059-1.7%  |  3017-4.8%  |  2195-3.5%  |  63150-100%  |
| ***LLTI 1991*** |
| Has LLTI | 109-7.3% | 36-2.4% | 16-1.1% | 52-3.5% | 43-2.9% | 1499-100% |
| Does not LLTI | 6053-9.8% | 3210-5.2% | 1043-1.7% | 2965-4.8% | 2152-3.5% | 61651-100% |
| Total | 6162-9.8% | 3246-5.1% | 1059-1.7% | 3017-4.8% | 2195-3.5% | 63150-100% |

**Source: Scottish Longitudinal Study**

Table B Descriptive Table Activity by Sector 2001 & Socio-economic Indicators 1991- Source: SLS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Socio-economic****1991** | **Employed in Industry****from High-Paid Services** | **Employed in Industry****from Low-Paid Services** | **Remained****In High-Paid Services** | **Remained****In Low-Paid Services** | **Changed Services** | **Total** |
| ***Age 1991*** |
| 20-24 | 224-2.7% | 297-3.6% | 2284-27.4 | 1194 -14.3% | 894-10.7% | 8340-100% |
| 25-29 | 243-2.4% | 314-3.1% | 3284-32.4% | 1352-13.3% | 962 -9.5% | 10136-100% |
| 30-34 | 214 -2.1% | 281-2.8% | 3581-35.7% | 1256-12.5% | 973-9.7% | 10022- 100% |
| 35-39 | 224-2.3% | 232-2.4% | 3691-37.6% | 1222-12.4% | 887-9% | 9812- 100% |
| 40-44 | 183-1.8% | 189-1.9% | 3529 - 34.6% | 1294-12.7% | 825-8.1% | 10186 -100% |
| 45-49 | 127-1.6% | 157-1.9% | 2226-27.1% | 905-11% | 564-6.9% | 8199-100% |
| 50-54 | 79 -1.2% | 72-1.1% | 854 -13.2% | 447-6.9% | 278-4.3% | 6455- 100% |
| Total | 1294-2% | 1542 -2.4% | 19449-30.1% | 7670 -12.1% | 5383-8.5% | 63150- 100% |
| ***Gender 1991*** |
| Male | 913-2.8% | 956-2.9% | 8287-25.1% | 3484-10.6% | 1984-6% | 32968 -100% |
| Female | 381-1.3% | 586-1.9% | 11162-37% | 4186-13.9% | 3399-11.3% | 30182-100% |
| Total | 1294-2% | 1542-2.4% | 19449-30.8% | 7670 -12.1% | 5383-8.5% | 63150-100% |
| ***Marital Status 1991*** |
| Single |  374-2.5%  |  447-3% |  4723-31.3%  |  1934-12.8%  | 1340-8.9% | 15100-100% |
| Married /Remarried |  864-1.9%  |  1018-2.3%  |  13756-30.9%  |  5269-11.8%  | 3695-8.3% | 44506-100% |
| Divorced /Widowed |  56-1.6%  |  77-2.2%  |  970-27.4%  |  467-13.2%  | 348-9.8% | 3544-100% |
| Total |  1294-2% |  1542-2.4%  | 19449-30.8%  |  7670-12.1%  | 5383-8.5% | 63150-100% |
| ***Educational Qualifications 1991*** |
| First Higher | 145-2.3% |  58-0.9%  |  3719-58.3%  |  370-5.8%  |  417-6.5%  | 6383-100% |
| Other | 165-2.1% |  73-0.9%  |  4386-54.9%  |  289-3.6%  |  484-6.1%  | 7992-100% |
| No Qualification | 984-2% |  1411-2.9%  | 11344-23.3%  |  7011-14.4%  |  4482-9.2%  | 48775-100% |
| Total | 1294-2% |  1542-2.4%  |  19449-30.8%  |  7670-12.1%  |  5383-8.5%  | 63150-100% |
| ***Car Ownership 1991*** |
| No car |  190-1.7%  |  289-2.6%  |  2643-24%  |  1529-13.9%  |  1076-9.8%  |  11024-100%  |
| Owns a car |  1104-2.1%  |  1253-2.4%  |  16806-32.2%  |  6141-11.8%  |  4307-8.3%  |  52126-100%  |
| Total |  1294-2%  | 1542-2.4%  |  19449-30.8%  |  7670-12.1%  |  5383-8.5%  |  63150-100% |
| ***Tenure 1991*** |
| Owner |  964-2.1%  |  972-2.1%  |  15650-34.6%  |  5026-11.1%  |  3628-8%  |  45256-100%  |
| Social rented |  257-1.7%  |  477-3.2%  |  2853-19.2%  |  2148-14.5%  |  1400-9.4%  |  14834-100%  |
| Private rented |  73-2.4%  |  93-3%  |  946-30.9%  |  496-16.2%  |  355-11.6%  |  3060-100%  |
| Total |  1294-2%  |  1542-2.4% |  19449-30.8%  |  7670-12.1%  |  5383-8.5%  |  63150-100%  |
| ***Central Heating 1991*** |
| Yes |  1108-2.1%  |  1274-2.4%  |  17026-31.6%  |  6382-11.8%  |  4509-8.4%  | 53844-100% |
| No  |  186-2%  |  268-2.9%  |  2423-26%  |  1288-13.8%  |  874-9.4%  | 9306-100% |
| Total  |  1294-2%  |  1542-2.4%  |  19449-30.8%  |  7670-12.1%  |  5383-8.5%  | 63150-100% |
| ***Rooms 1991*** |
| Two or less |  41-2.1%  |  48-2.5% |  591-30.4%  |  245-12.6%  |  168-8.7%  |  1941-100%  |
| Three |  122-2.%  |  175-2.9% |  1664-27.7%  |  791-13.1%  |  503-8.4%  |  6014-100%  |
| Four or more |  1131-2%  |  1319-2.4%  |  17194-31.1%  |  6634-12%  | 4712-8.5%  |  55195-100%  |
| Total |  1294-2.%  |  1542-2.4%  |  19449-30.8%  |  7670-12.1%  |  5383-8.5%  |  63150-100%  |
| ***LLTI 1991*** |
| Has LLTI | 28-1.9% |  24-1.6%  |  298 -19.9%  |  150-10%  |  99-6.6%  | 1499-100% |
| Does not LLTI | 1266-2% |  1518-2.5%  |  19151-31.1%  |  7520-12.2%  |  5284-8.6%  | 61651-100% |
| Total | 1294-2% |  1542-2.4%  |  19449-30.8%  |  7670-12.1%  |  5383-8.5%  | 63150-100% |

**Source: Scottish Longitudinal Study**