# SUPPLEMENTARY MATERIAL

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| **Supplementary Table 1.** Demographic characteristics |
|  |  | Employees |  | Family members |
|  | Early-onset dementia(n =143) |  | Control(n = 715) |  | Early-onset dementia(n = 77) |  | Control(n = 385) |
| Characteristic | n | % |  | n | % |  | n | % |  | n | % |
| Age |  |  |  |  |  |  |  |  |  |  |  |
|  | 40 to 44 | 20 | 14.0 |  | 94 | 13.1 |  | 7 | 9.1 |  | 32 | 8.3 |
|  | 45 to 49 | 30 | 21.0 |  | 159 | 22.2 |  | 13 | 16.9 |  | 67 | 17.4 |
|  | 50 to 54 | 39 | 27.3 |  | 187 | 26.2 |  | 29 | 37.7 |  | 150 | 39.0 |
|  | 55 to 59 | 54 | 37.8 |  | 275 | 38.5 |  | 28 | 36.4 |  | 136 | 35.3 |
| Women | 18 | 12.6 |  | 90 | 12.6 |  | 75 | 97.4 |  | 375 | 97.4 |
| Dementia type |  |  |  |  |  |  |  |  |  |  |  |
|  | Alzheimer’s disease (F00, G30) | 79 | 55.2 |  | — | — |  | 46 | 59.7 |  | — | — |
|  | Vascular dementia (F01) | 11 | 7.7 |  | — | — |  | 2 | 2.6 |  | — | — |
|  | Front temporal dementia (F02.0, G31.0, G31.8) | 4 | 2.8 |  | — | — |  | 5 | 6.5 |  | — | — |
|  | Other dementias (F02.1–F02.8, F03, G31.1, G31.2) | 58 | 40.6 |  | — | — |  | 27 | 35.1 |  | — | — |
| Number of chronic conditions |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 | 72 | 50.4 |  | — | — |  | 32 | 41.6 |  | — | — |
|  | 1 | 51 | 35.7 |  | — | — |  | 24 | 31.2 |  | — | — |
|  | 2 or more | 20 | 14.0 |  | — | — |  | 21 | 27.3 |  | — | — |
| Chronic conditions |  |  |  |  |  |  |  |  |  |  |  |
|  | Myocardial infarction | 2 | 1.4 |  | — | — |  | 0 | 0.0 |  | — | — |
|  | Congestive heart failure | 12 | 8.4 |  | — | — |  | 7 | 9.1 |  | — | — |
|  | Peripheral vascular disease | 3 | 2.1 |  | — | — |  | 0 | 0.0 |  | — | — |
|  | Cerebrovascular disease | 38 | 26.6 |  | — | — |  | 22 | 28.6 |  | — | — |
|  | Chronic pulmonary disease | 10 | 7.0 |  | — | — |  | 15 | 19.5 |  | — | — |
|  | Connective tissue disease | 1 | 0.7 |  | — | — |  | 5 | 6.5 |  | — | — |
|  | Ulcer disease | 11 | 7.7 |  | — | — |  | 13 | 16.9 |  | — | — |
|  | Mild liver disease | 8 | 5.6 |  | — | — |  | 3 | 3.9 |  | — | — |
|  | Diabetes | 4 | 2.8 |  | — | — |  | 3 | 3.9 |  | — | — |
| Prescription of anti-dementia drugs at diagnosis | 41 | 28.7 |  | — | — |  | 29 | 37.7 |  | — | — |
| Prescription of antipsychotics before 90 days | 41 | 28.7 |  | — | — |  | 29 | 37.7 |  | — | — |
| Prescription of benzodiazepines before 90 days | 71 | 49.7 |  | — | — |  | 47 | 61.0 |  | — | — |
| Hospitalization before 90 days | 21 | 14.7 |  | — | — |  | 11 | 14.3 |  | — | — |