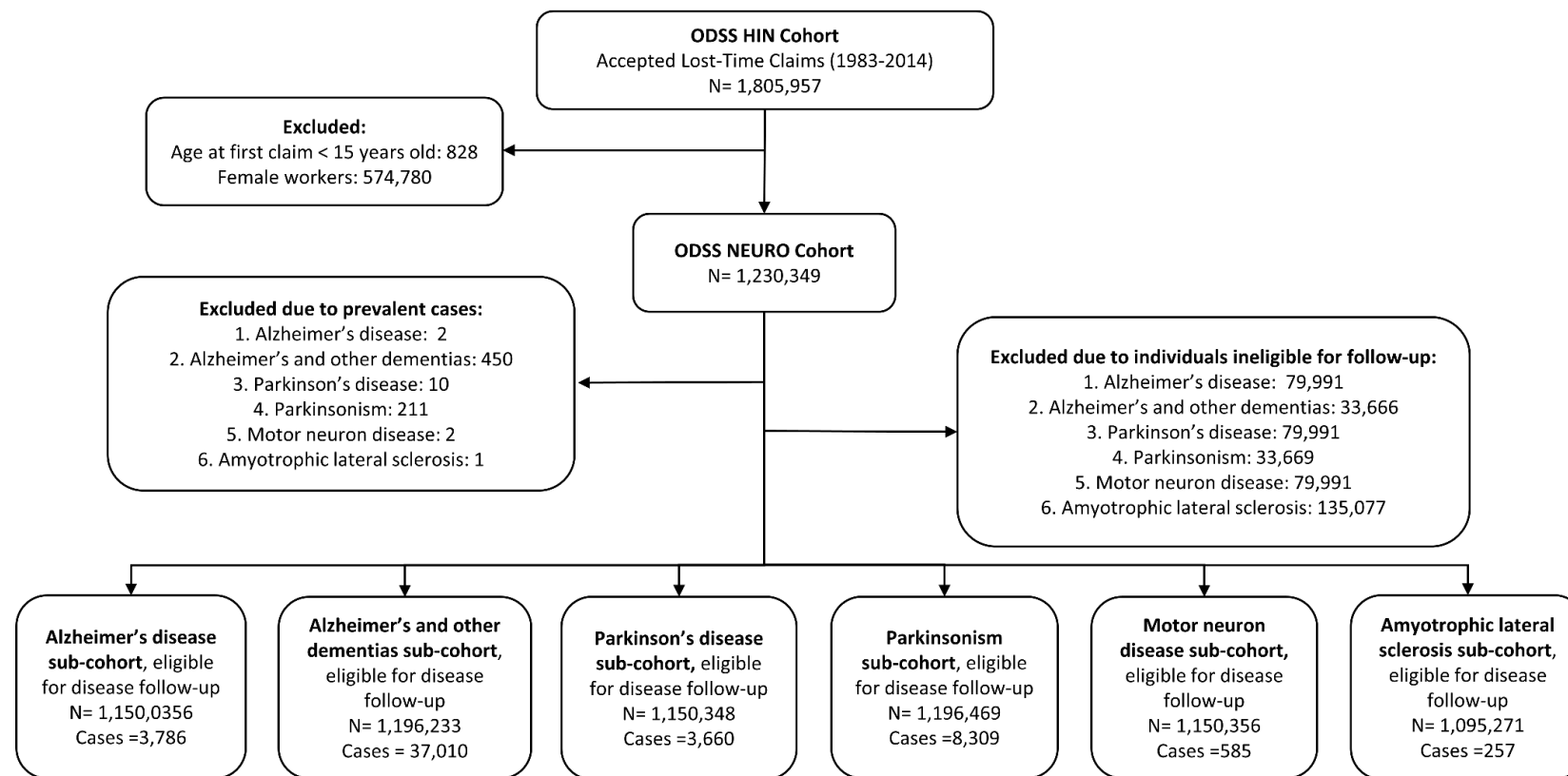


## Supplemental Material



Note: Individuals ineligible for follow-up, workers who never made to the start of follow-up due to death, emigration or age censoring.

Figure S1. Derivation of the ODSS NEURO Sub-cohorts for each neurodegenerative outcome from the ODSS HIN Cohort. ODSS, Occupational Disease Surveillance System; HIN, Health Insurance Number; NEURO: Neurodegenerative disease; ALS, Amyotrophic Lateral Sclerosis.

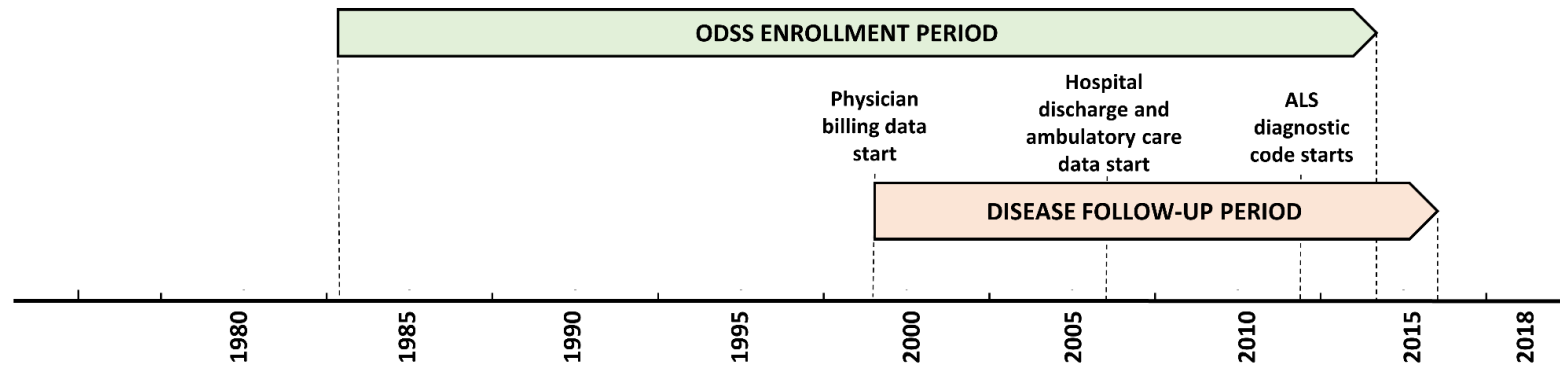


Figure S2. Timeline of ODSS enrollment and disease follow-up period. ODSS, Occupational Disease Surveillance System; ALS, Amyotrophic Lateral Sclerosis.

Table S1. SIC/CCDO codes at the division, major, and minor levels in the ODSS, identifying workers in mining industries and occupations and their subgroups.

SIC-70 Division Code	SIC-70 Major Codes	SIC-70 Minor Codes
04 Mines (including Milling), Quarries and Oil Wells	09 Metal Mines	051 Placer Gold Mines 052 Gold Quartz Mines 057 Uranium Mines 058 Iron Mines 059 Miscellaneous Metal Mines
	10 Non-metal Mines	061 Coal Mines 064 Crude Petroleum and Natural Gas Industry 071 Asbestos Mines 072 Peat Extraction 073 Gypsum Mines 079 Miscellaneous Non-metal Mines
	12 Quarries and Sand Pits	083 Stone Quarries 087 Sand Pits or Quarries
	13 Services Incidental to Mining	096 Contract Drilling for Petroleum 098 Other Contract Drilling 099 Miscellaneous Services Incidental to Mining
CCDO-1971 Division Code	CCDO Major Codes	CCDO Minor Codes
77 Mining and quarrying including oil and gas field occupations	771 Mining and quarrying including oil and gas field occupations	7710 Foremen/women 7711 Rotary well-drilling and related occupations 7713 Rock and soil drilling occupations 7715 Blasting occupations 7717 Cutting, handling and loading occupations 7718 Occupations in laboring and other elemental work 7719 Other occupations
SIC & CCDO codes used for identifying mining workers		
<ol style="list-style-type: none"> <li>For workers in mining industries, SIC codes: 04, 09, 10, 12, 13, (051 &amp; 052)*, 57, 59</li> <li>For workers in mining occupations, CCDO codes: 77, 7710, 7711, 7713, 7715, 7717, 7718</li> <li>For subgroups of workers who had mining occupations in mining industries, CCDO codes nested under SIC codes †: [SIC 04 &amp; CCDO 77], [SIC 09 &amp; CCDO 77], [SIC 10 &amp; CCDO 77], [SIC (051 &amp; 052) * &amp; CCDO 77], [SIC 057 &amp; CCDO 77], [SIC 059 &amp; CCDO 77].</li> </ol>		

SIC, Standardized Industrial Classification. CCDO, Canadian Classification Dictionary of Occupations.

\* SIC 051 and 052 were combined to identify workers from gold mines, and workers in this group had a code of either 051 or 052.

† Workers in these subgroups had both corresponding SIC code and CCDO code 77.