

Appendix S1

Supplementary Methods

Number of registered hospital diagnoses were identified based on hospital admissions, discharges, and outpatient visits preceding tumour registration. Each registered diagnoses was classified according to the International Classification of Diseases into one of the following categories: infectious and parasitic diseases (A00–B99), neoplasms (C00–D48), blood and immune disorders (D50–D89), endocrine and metabolic diseases (E00–E90), mental and behavioural disorders (F00–F99), nervous system diseases (G00–G99), eye and adnexa diseases (H00–H59), ear and mastoid process diseases (H60–H95), circulatory system diseases (I00–I99), respiratory diseases (J00–J99), digestive system diseases (K00–K93), skin and subcutaneous tissue diseases (L00–L99), musculoskeletal and connective tissue diseases (M00–M99), and genitourinary system diseases (N00–N99). The total number of registered diagnoses per patient was calculated as the sum of all distinct diagnoses recorded across these categories, allowing for multiple diagnoses within the same category.