**Table S1** Conversion of TNM classification system to summary staging

Summary staging	TNM
Local	TI-4, N0, M0
	TI-2, N0, Mx <sup>a</sup>
	$TI$ , $Nx^a$ , $M0$ or $Mx^a$
Regional	$TI-4$ or $Tx^a$ , $NI-3$ , $M0$
Distant	Any T, Any N, MI
Unknown	T2–4 or Tx <sup>a</sup> , Nx, M0 or Mx <sup>a</sup>
	T3–4 or $Tx^a$ , N0, $Mx^a$
	$TI-4$ or $Tx^a$ , $NI-3$ , $Mx^a$
	T0, N1-3, M0-1 or Mx <sup>a</sup>
	T0, N0 or Nx <sup>a</sup> , M1

Note: ax: variable not specified in the DCR.

Abbreviations: DCR, Danish Cancer Registry; TNM, tumor, nodes, metastasis.

**Table \$2** Codes used to identify lung cancer, bone metastases, and SRE in the DNRP

## Lung cancer (ICD-10 codes)

C33-C34: Malignant neoplasm of the trachea, bronchus, and lung

#### Bone metastasis (ICD-10 codes)

C795: Secondary malignant neoplasm of bone and bone marrow

## Pathological fracture (ICD-10 codes)

M84.4: Fracture of bone in neoplastic disease

M90.7: Fracture of bone in neoplastic disease

S12.0-12.9: Fracture of neck

S22.0: Fracture of thoracic vertebra

S22.1: Multiple fractures of thoracic spine

S32.0-S32.8: Fracture of lumbar spine and pelvis

S52.5-S52.6: Fracture of lower end of radius and/or ulna

S72.0-72.9: Fracture of femur

# Spinal cord compression (ICD-I0 codes)

M43.9: Deforming dorsopathy, unspecified

M48.5: Collapsed vertebra, not elsewhere classified

M49.5: Collapse vertebra I disease classified elsewhere. Metastatic

fracture of vertebrae

G95.2: Cord compression, unspecified

G95.8: Other specified diseases of spinal cord

# Surgery to bone (NOMESCO classification of surgical procedure code)

KNxJxxe: Surgical fracture treatment

### Radiation therapy (Danish treatment code)

BWGC1: Conventional external radiation therapy

**Abbreviations:** DNPR, Danish National Registry of Patients; ICD-10, 10th revision of the International Classification of Diseases; NOMESCO, Nordic medico-statistical committee; SRE, skeletal-related event.