



# PIONEER

Health Data Research Hub

## Immune Checkpoint Inhibitors: HDR UK Medicines Programme Cancer-Related Resource

Data range for infographic: 17.01.2000-09.10.2023  
Other extended time periods are available on request

Highly granular dataset of 1,000 cancer patients treated with checkpoint inhibitors, tracking acute healthcare visits, demographics, side effects, physiology, blood results, outpatient activity, consultations, prescriptions, treatments and survival.

### Demographic

The dataset includes:

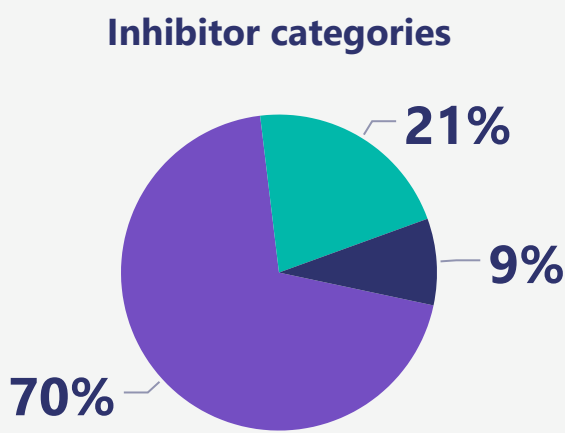
- Young adults **2%** (ages <34)
- Adults **43%** (ages 35-64)
- Elderly **55%** (ages 65+)

**62%** of immune checkpoint inhibitor (ICI) treated patients are male and **38%** of ICI patients are female.

5% 2% 1% 82% 1% 11%



Asian Black African Caribbean Mixed White Other Not Stated

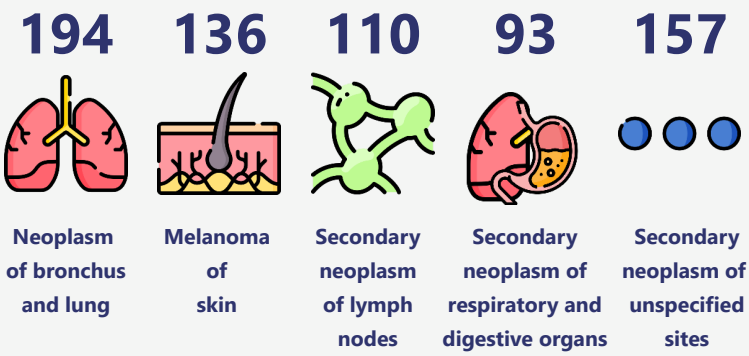


● PD-1 inhibitors ● CTLA-4 inhibitors ● PDL-1 inhibitors

### Immune checkpoint inhibitor

**48%** of patients are treated with Nivolumab, a PD-1 inhibitor with a median total cycle of 4. Followed by **41%** of patients treated with Pembrolizumab with a median total cycle of 6.

### Top 5 patients cancer diagnoses

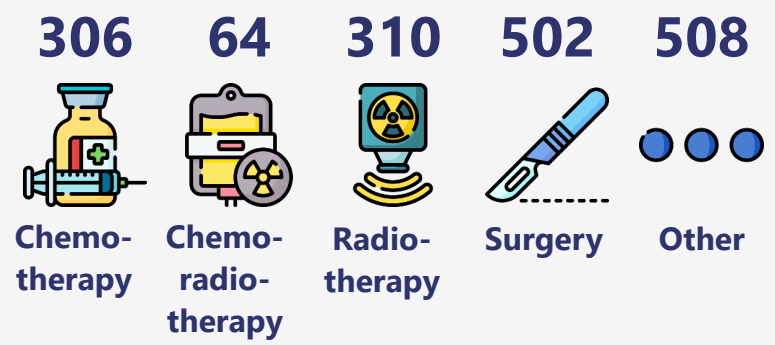


### Cancer types

- **81%** diagnosed with solid tumors
- **14%** diagnosed with melanomas

Other cancer types are available.

### Patients treatment methods



### Treatments

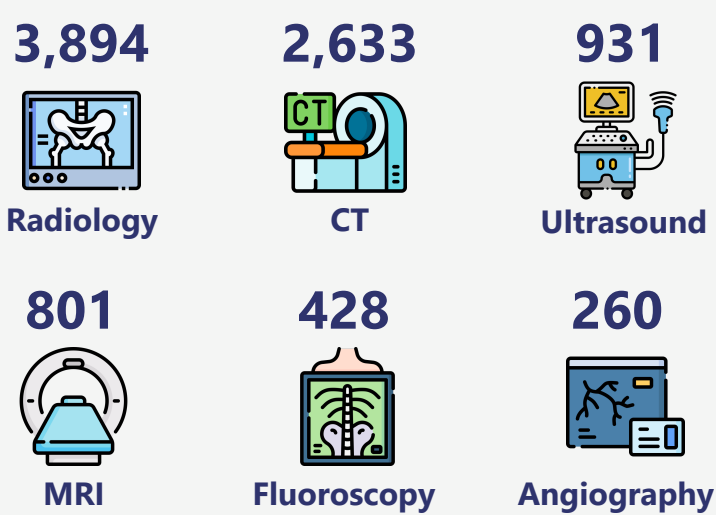
- **70%** of patients had physiotherapy
- **37%** of patients had occupational therapy

Other therapy are available.

### Inpatient care

- **23,673 Hospitalised spells;** containing **1,000** unique patients admitted to critical care
- **29K** days worth of hospital data with an average in-hospital length of stay of 1 days
- In-hospital mortality rate of 0.6% and 98% of patients surviving 12 months after discharge
- The median National Early Warning Score is 1 and the median Clinical Frailty Scale is 4

### Medical imaging



Other medical imaging are available.

### Consultations

Top 5 consultation directorates are:

- **4K** Emergency medicine
- **4K** Oncology
- **2K** Emergency department
- **361** Plastic surgery
- **358** General medicine

