

Heart Attack



Research Question

? Do patients with joint pain have more complications after a heart attack?

Patients

171,670 patients
Average age 70
64% male

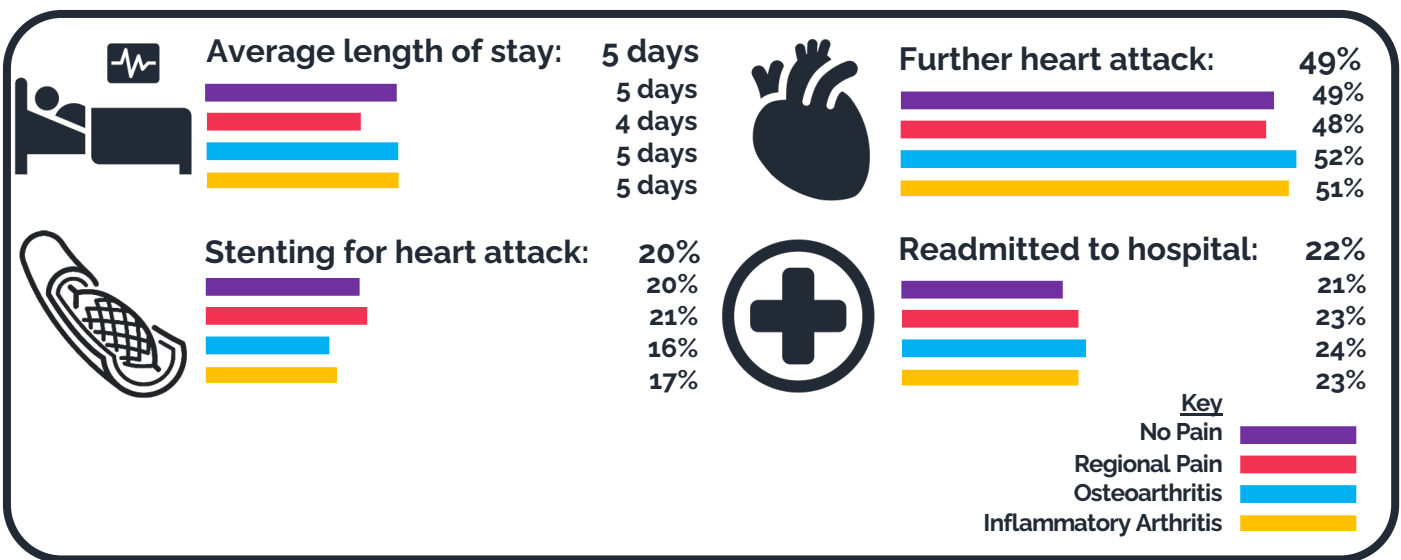
Joint Pain



Lifestyle and Other Illnesses

	No Joint Pain	Joint Pain	
Overweight	27%	32%	
Obese	15%	22%	
Current	27%	26%	
Ex-smoker	24%	29%	
	Within 2 years	No Joint Pain	Joint Pain
Diabetes	17%	21%	
Poor circulation	3%	4%	
Mental health	7%	11%	
GP visits	23	41	
Prescriptions	8	14	

Findings



Take Home Messages

1. Joint pain is common in patients with a recent heart attack
2. Having joint pain is linked to slightly more complications after a heart attack, but this is explained because they are older and are prescribed more medicines

Stroke



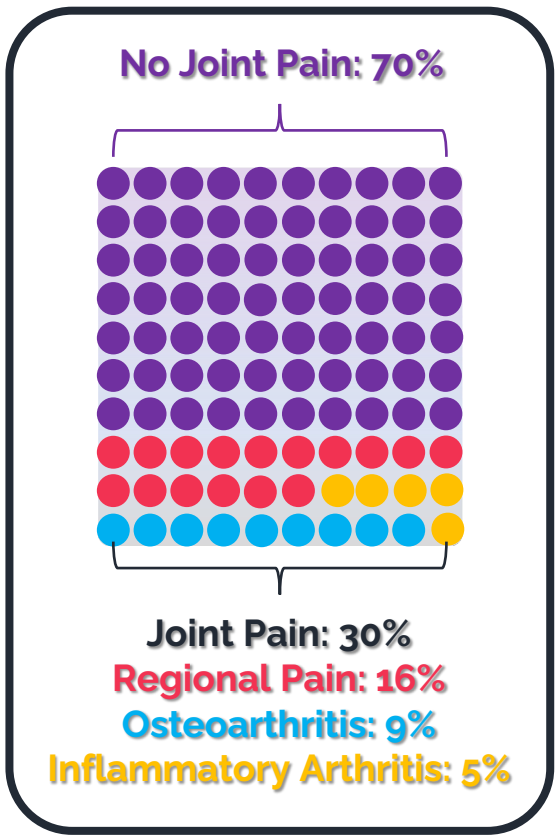
Research Question

? Do patients with joint pain have more complications after a stroke?

Patients

138,512 patients
Average age 76
51% male

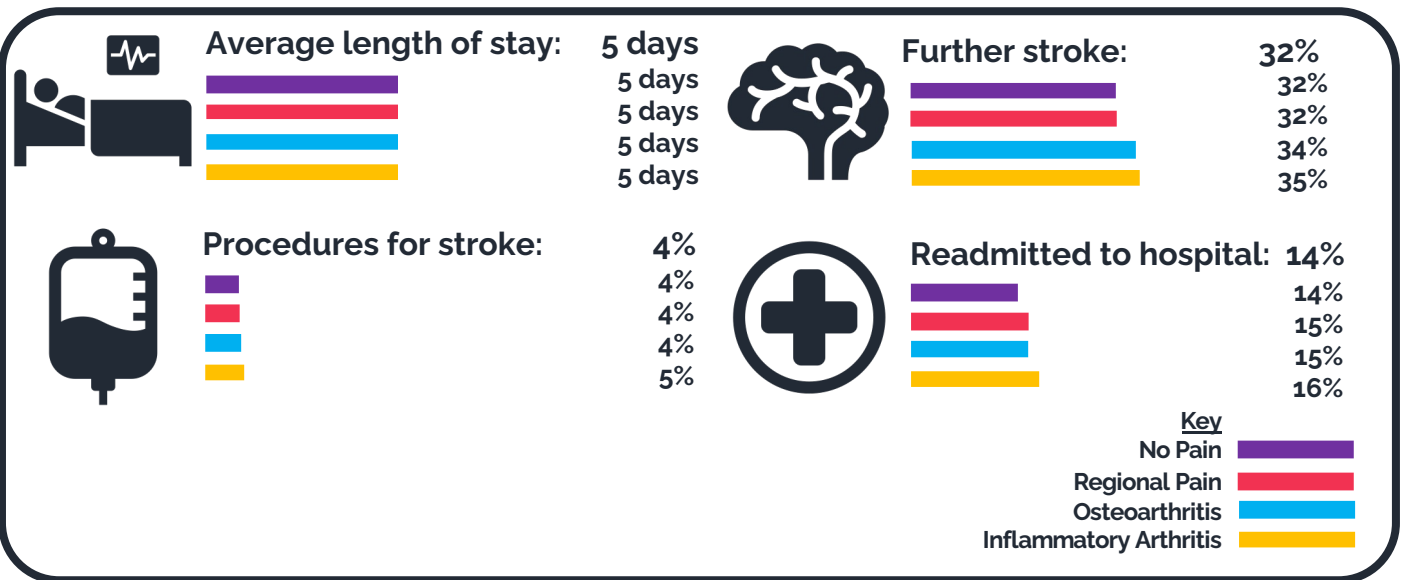
Joint Pain



Lifestyle and Other Illnesses

	No Joint Pain	Joint Pain	
Overweight	25%	30%	
Obese	15%	20%	
Current	22%	20%	
Ex-smoker	24%	28%	
	Within 2 years	No Joint Pain	Joint Pain
Diabetes	17%	20%	
Poor circulation	3%	3%	
Mental health	7%	11%	
GP visits	28	45	
Prescriptions	9	15	

Findings



Take Home Messages

1. Joint pain is common in patients with a recent stroke
2. Having joint pain is linked to slightly more complications after stroke, but this is explained because they are older and are prescribed more medicines

Cancer



Research Question

Do patients with joint pain have more complications after a diagnosis of cancer?

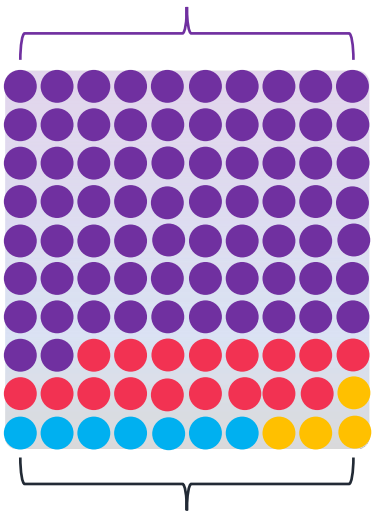
Patients



428,866 patients
Average age 70
50% male

Joint Pain

No Joint Pain: 72%



Joint Pain: 28%
Regional Pain: 17%
Osteoarthritis: 7%
Inflammatory Arthritis: 4%

Lifestyle and Other Illnesses



	No Joint Pain	Joint Pain
Overweight	32%	36%
Obese	13%	19%



Current	22%	22%
Ex-smoker	27%	31%



	No Joint Pain	Joint Pain
Diabetes	11%	12%
Poor circulation	1%	1%
Mental health	8%	10%



GP visits	30	41
Prescriptions	9	13

Findings



Average length of stay: 4 days
4 days
4 days
4 days
4 days



End of life Care: 24%
23%
26%
26%
28%



Hormone Therapy: 44%
43%
44%
49%
48%



Died during follow-up: 44%
44%
42%
47%
51%

Key
No Pain
Regional Pain
Osteoarthritis
Inflammatory Arthritis

Take Home Messages



1. Joint pain is common in patients who have a cancer diagnosis
2. Having joint pain is linked to slightly more complications with their cancer

Dementia



Research Question

Do patients with joint pain have more complications after a diagnosis of dementia?

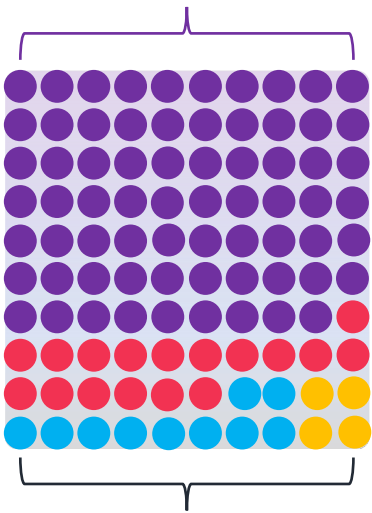
Patients



207,812 patients
Average age 83
39% male

Joint Pain

No Joint Pain: 69%



Joint Pain: 31%

Regional Pain: 17%

Osteoarthritis: 10%

Inflammatory Arthritis: 4%

Lifestyle and Other Illnesses



	No Joint Pain	Joint Pain
Overweight	29%	34%
Obese	9%	13%



Current	15%	13%
Ex-smoker	28%	31%



Within 2 years	No Joint Pain	Joint Pain
Diabetes	17%	17%
Stroke	8%	8%
Mental health	13%	16%



GP visits	41	58
Prescriptions	11	15

Findings



Average length of stay:

3 days	38%
3 days	36%
2 days	40%
2 days	40%
2 days	41%



End of life care:

38%	36%
40%	40%
40%	41%



Anti-dementia medicines:

19%	18%
18%	20%
20%	19%
19%	19%



Readmitted to hospital:

18%	18%
18%	18%
18%	20%

Key

No Pain	Purple
Regional Pain	Red
Osteoarthritis	Blue
Inflammatory Arthritis	Yellow

Take Home Messages

1. Joint pain is common in patients diagnosed with dementia
2. Having joint pain is linked to slightly more complications with dementia, but this is explained because they are older and have had dementia for a longer



Pneumonia



Research Question

? Do patients with joint pain have more complications after pneumonia?

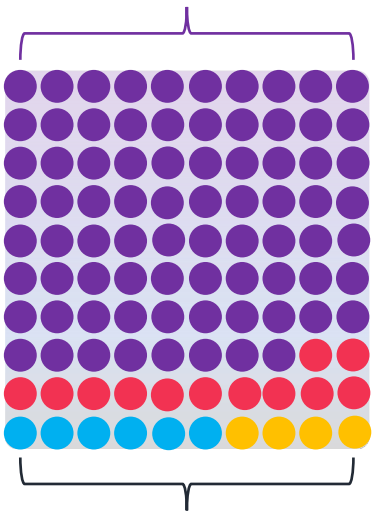
Patients



211,594 patients
Average age 77
49% male

Joint Pain

No Joint Pain: 78%



Joint Pain: 30%
Regional Pain: 12%
Osteoarthritis: 6%
Inflammatory Arthritis: 4%

Lifestyle and Other Illnesses



	No Joint Pain	Joint Pain
Overweight	19%	34%
Obese	11%	23%



Current	16%	21%
Ex-smoker	21%	30%

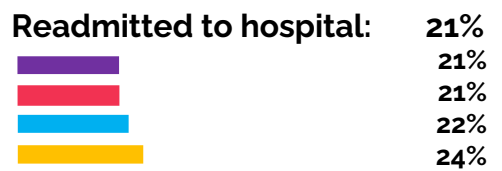


Within 2 years	No Joint Pain	Joint Pain
Diabetes	10%	17%
Lung diseases	12%	22%
Mental health	5%	13%



GP visits	21	66
Prescriptions	5	18

Findings



Key
No Pain █
Regional Pain █
Osteoarthritis █
Inflammatory Arthritis █

Take Home Messages



1. Joint pain is common in patients who recently had pneumonia
2. Patients with joint pain have more GP visits and prescriptions
3. Joint pain is not linked to more complications after pneumonia