Supplementary material

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Supplementary Table 1. Classification of readmission causes[*]

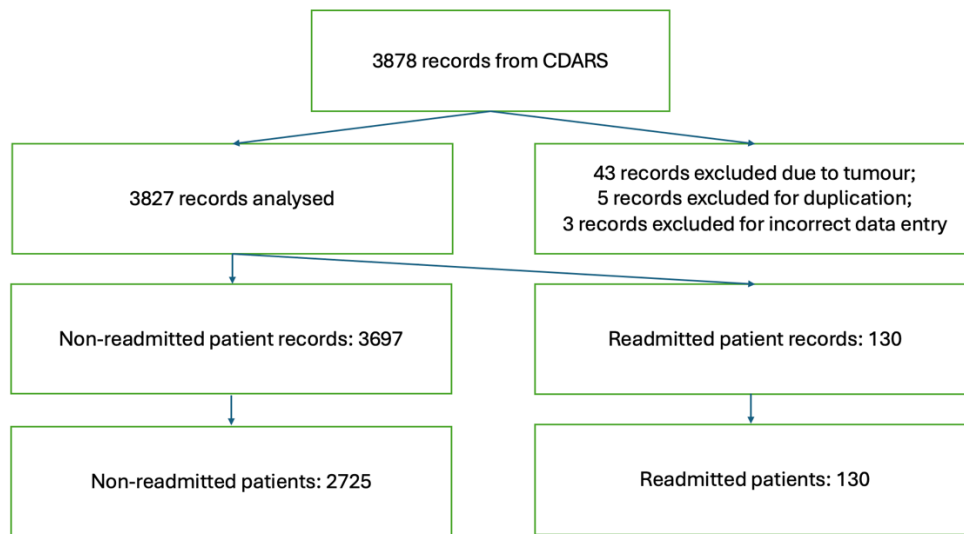|	Conditions included	Primary cause	All cause
Gastrointestinal-related	Tarry stool	0	2
	Upper gastrointestinal bleeding	2	3
	Abdominal pain	2	3
	Acute cholecystitis	1	1
	Diverticulitis	1	1
	Diarrhoea	0	1
	Flatus	0	1
	Haemorrhoids	1	1
	Gastritis	1	1
Urological-related	Foley care issues	1	2
	Haematuria	0	1
	Urinary tract infection	3	3
	Urosepsis	1	1
	Acute retention of urine	1	1
Neurological-related	Unilateral lower limb weakness	1	2
	Dizziness	5	6
	Stroke	1	1
	Loss of consciousness	2	2
Cardiac-related	Chronic heart failure	2	2
	Chest pain	3	3
	Acute coronary syndrome	1	1
	Palpitations	1	1
	Hypertension	1	1
	Supraventricular tachycardia	1	1
Respiratory-related	Shortness of breath	1	3
	Pneumonia	3	3
	Haemoptysis	1	1
	Pulmonary embolism	1	1
	Upper respiratory tract infection	0	1
	Lung tumour	1	1
	Pleural effusion	0	1
Renal-related	Hyperkalaemia	1	1
	Hyponatraemia	0	1

[*] Data are shown as No.

Supplementary Table 2. Discharge destinations[*]

	Non-readmitted patients (n=3697)	Readmitted patients (n=130)	Odds ratio (95% CI)
Home and follow-up	1169 (31.6%)	39 (30.0%)	N/A
Rehabilitation facilities	2455 (66.4%)	90 (69.2%)	1.09 (0.75-1.61)
Other hospitals	15 (0.4%)	0	N/A
Death	8 (0.2%)	0	N/A
Others	50 (1.4%)	1 (0.8%)	0.60 (0.08-4.45)

Abbreviations: 95% CI = 95% confidence interval; N/A = not applicable
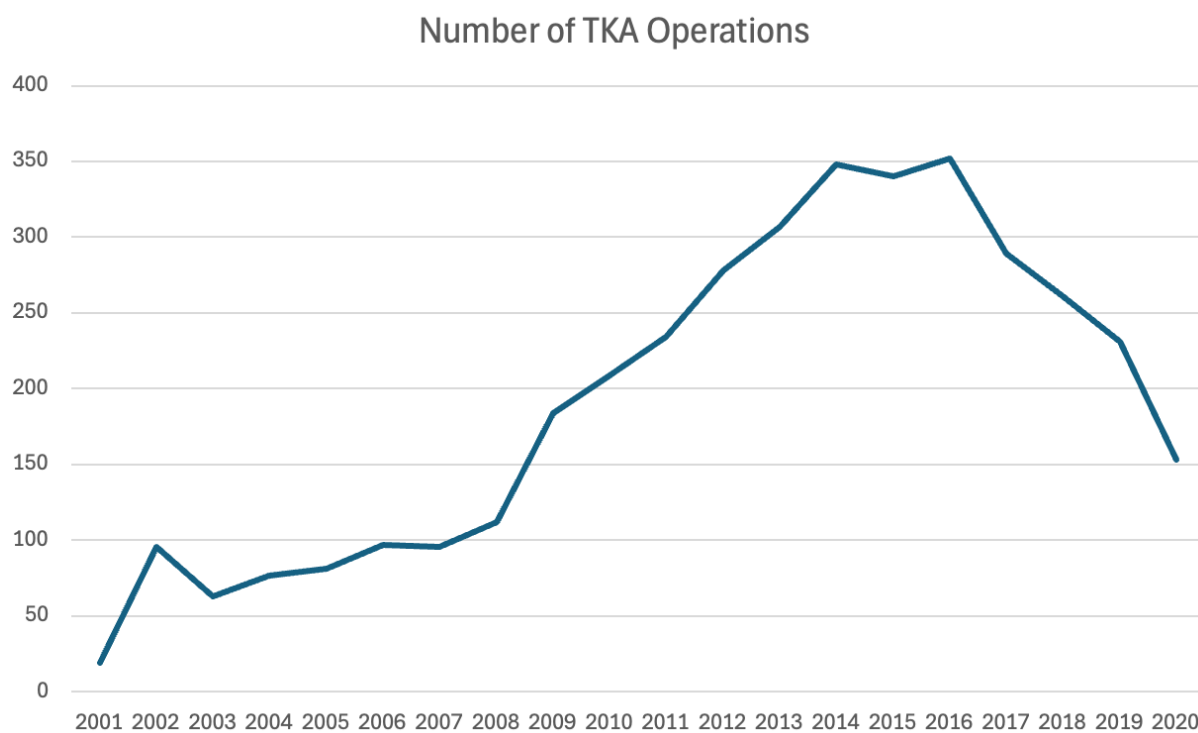
[*] Data are shown as No. (%), unless otherwise specified

Supplementary Figure 1. Patient selection

Abbreviation: CDARS = Clinical Data Analysis and Reporting System

Supplementary Figure 2. Trends in the number of total knee arthroplasty operations performed annually at our institution between 2001 and 2020

Number of TKA Operations

Abbreviation: TKA = total knee arthroplasty

Supplementary Appendix. Criteria for drug selection in identifying co-morbidities

List of drugs used to identify hypertension
1. Amiloride
2. Amiloride hydrochloride
3. Amlodipine
4. Amlodipine besylate
5. Apo-triazide
6. Candesartan cilexetil
7. Captopril
8. Diltiazem hydrochloride
9. Diltiazem hydrochloride CR
10. Diltiazem hydrochloride sustained release
11. Eplerenone
12. Frusemide
13. Furosemide
14. Hydralazine hydrochloride
15. Hydrochlorothiazide
16. Indapamide
17. Indapamide sustained release
18. Irbesartan
19. Irbesartan + hydrochlorothiazide
20. Irbesartan hydrochlorothiazide
21. Lisinopril
22. Losartan
23. Losartan potassium + hydrochlorothiazide
24. Losartan potassium
25. Ramipril
26. Telmisartan
27. Valsartan

List of drugs used to identify diabetes mellitus
1. Acarbose
2. Dapagliflozin
3. Diabetmin
4. Empagliflozin
5. Glibenclamide
6. Gliclazide
7. Gliclazide modified release
8. Glimepiride
9. Glipizide
10. Insulin aspart human analogue
11. Insulin degludec

12. Insulin detemir
13. Insulin glargine
14. Insulin human
15. Insulin isophane
16. Insulin neutral human
17. Insulin zinc suspension HM
18. Metformin
19. Metformin hydrochloride
20. Metformin extended release
21. Sitagliptin

List of drugs used to identify chronic obstructive pulmonary disease/asthma
1. Aclidinium
2. Albuterol
3. Arformoterol
4. Budesonide
5. Carbocysteine
6. Erdosteine
7. Fluticasone
8. Formoterol
9. Glycopyrrolate
10. Indacaterol
11. Ipratropium
12. Levalbuterol
13. Olodaterol
14. N-acetylcysteine
15. Prednisolone
16. Revefenacin
17. Roflumilast
18. Salbutamol
19. Salmeterol
20. Tiotropium
21. Umeclidinium

List of drugs used to identify rheumatoid arthritis
1. Abatacept
2. Adalimumab
3. Azathioprine
4. Cyclosporin A
5. Etanercept
6. Hydroxychloroquine
7. Infliximab
8. Leflunomide

9. Methotrexate
10. Rituximab
11. Sulfasalazine
12. Tocilizumab
13. Tofacitinib

List of antiplatelets/anticoagulants
1. Apixaban
2. Aspirin
3. Clopidogrel
4. Dabigatran
5. Dipyridamole
6. Edoxaban
7. Enoxaparin
8. Eptifibatide
9. Fondaparinux
10. Heparin
11. Prasugrel
12. Rivaroxaban
13. Ticagrelor
14. Ticlopidine
15. Warfarin