Sample Practice

Sample Primary Health Network

Lumos is an ethically approved program that securely links encoded data from general practices to other health data in NSW, including hospital, emergency department, mortality, and others. This is done under strict data governance processes and in partnership between Primary Health Networks (PHNs) and the NSW Ministry of Health.

The project is being conducted in phases, with lessons learnt being trialled in each subsequent phase to improve the processes.

This report presents a sample of the general practice reports that will be provided to every participating general practice.

Overview

Your practice is presented alongside the combined results of all participating practices from your PHN and also from all PHNs. Where possible, comparisons are drawn with the NSW population.

This report pertains to n practices in NSW comprising:

- Western Sydney PHN: n practices,
- Northern Sydney PHN: n practices
- South Eastern NSW PHN: n practices
- Western NSW PHN: n practices.
- Murrumbidgee PHN: n practices.
- North Coast PHN: n practices.
- Nepean Blue Mountains PHN: n practices.
- South Western Sydney PHN: n practices.
- Hunter New England and Central Coast PHN: n practices.
- Central and Eastern Sydney PHN: n practices

[total]

Number of patients overall who visited your practice in the five years to October 2019

[total]

Average number of patients included per practice in your Primary Health Network
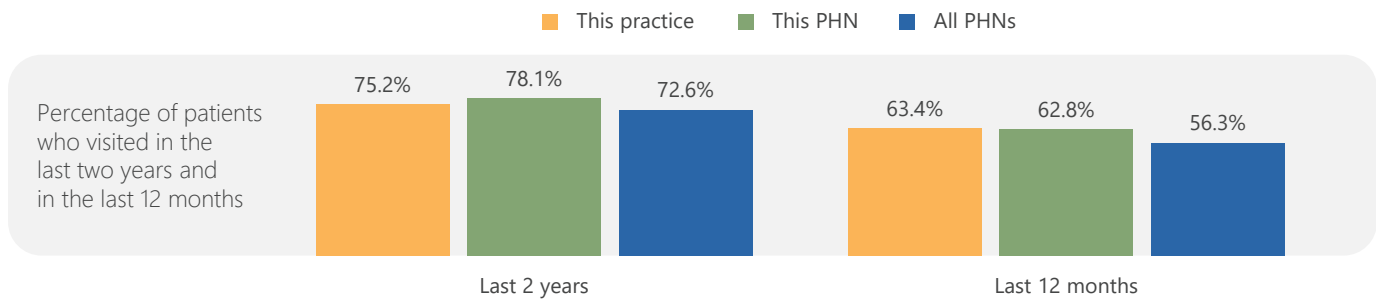
[total]

Number of patients from your Primary Health Network

[total]

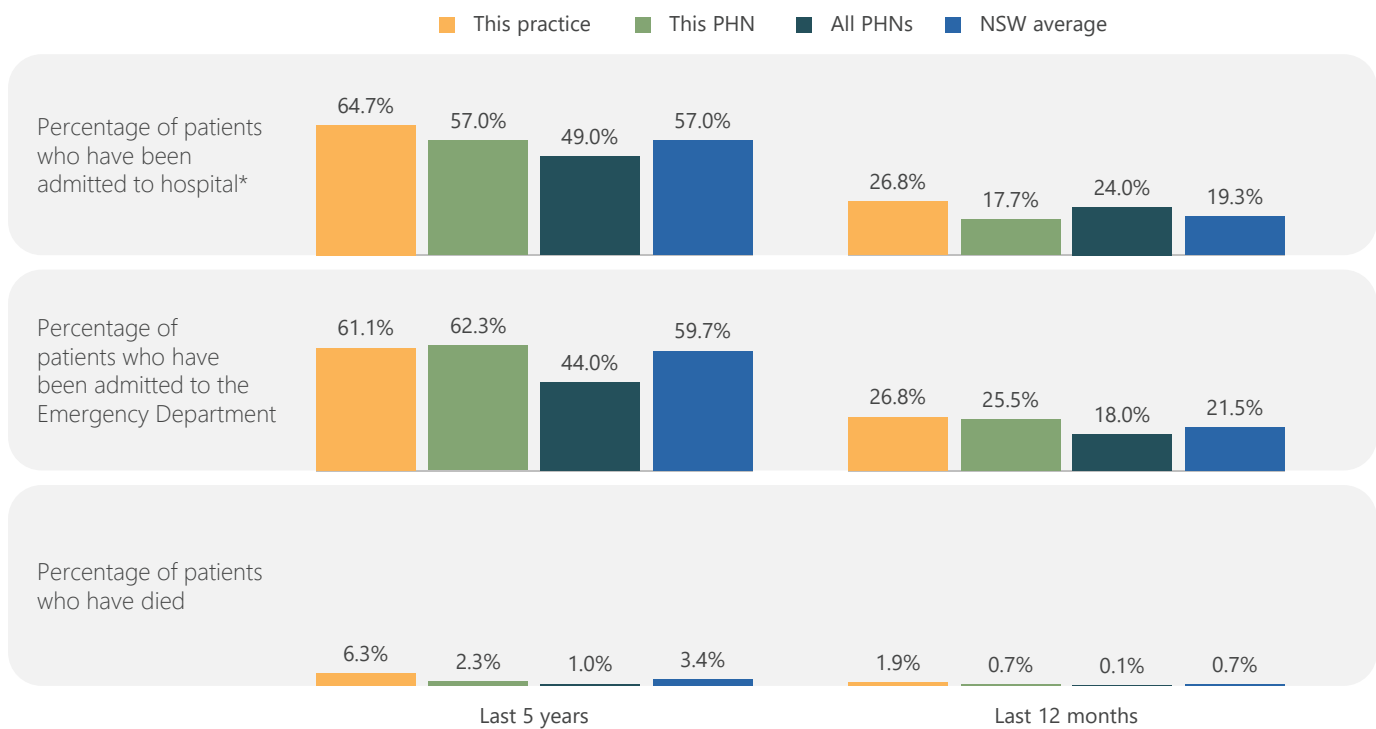Average number of patients per practice in all Primary Health Networks

Who has recently visited my practice?

Of the patients who visited my practice in the last 5 years, what has their activity looked like in the last 2 years, and in the last 12 months, compared to all other practices in the same PHN and in all PHNs?

This practice **This PHN** **All PHNs**

Percentage of patients who visited in the last two years and in the last 12 months

	Last 2 years			Last 12 months		
This practice	75.2%			63.4%		
This PHN		78.1%			62.8%	
All PHNs			72.6%			56.3%

How commonly do my patients go to hospital?

Among patients who visited my practice in the last 5 years, how common has hospital admission and emergency presentation been over the 5 years, compared to all other practices in the same PHN, in all PHNs, and the average of NSW patients overall?

This practice **This PHN** **All PHNs** **NSW average**

	Last 5 years				Last 12 months			
Percentage of patients who have been admitted to hospital*	64.7%	57.0%	49.0%	57.0%	26.8%	17.7%	24.0%	19.3%
Percentage of patients who have been admitted to the Emergency Department	61.1%	62.3%	44.0%	59.7%	26.8%	25.5%	18.0%	21.5%
Percentage of patients who have died	6.3%	2.3%	1.0%	3.4%	1.9%	0.7%	0.1%	0.7%

* Private hospital data are unavailable after DD/MM/YYYY. For this reason, private hospital admissions have been excluded from the estimated proportion of people hospitalised in NSW in the last 12 months.

Over an average 24-hour period, for patients of your practice, when do potentially avoidable Emergency Department visits occur?

Potentially avoidable ED visits for: — This practice — This PHN
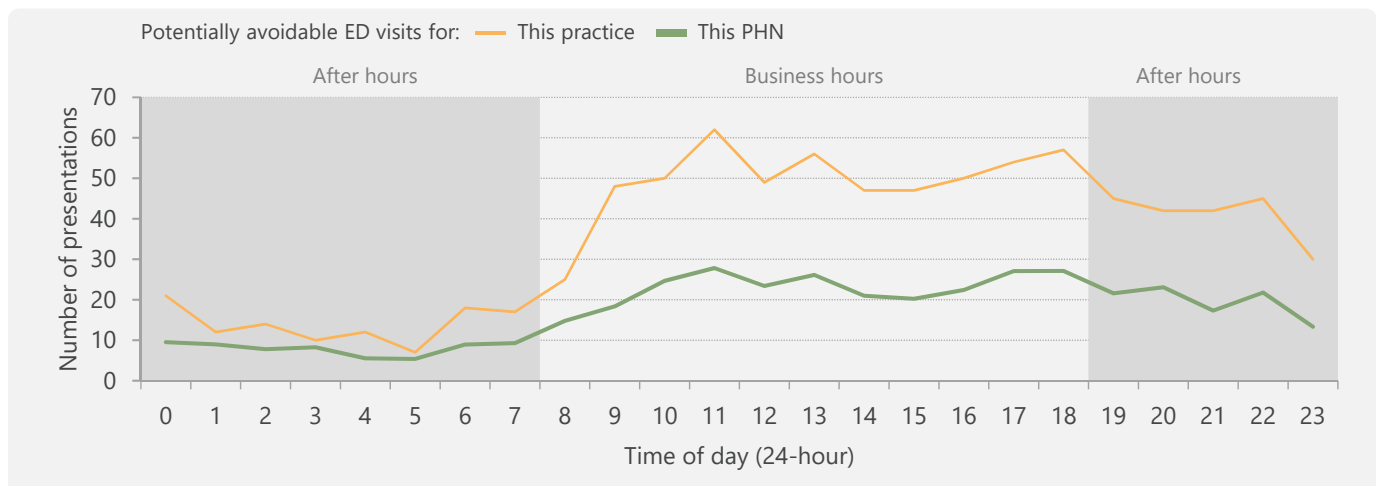
How many of my patients had any combination of emergency department presentations, admissions to hospital or death?

Of the 45,356 patients who visited this practice in the last 12 months:

17,481 had no visit to ED, hospital or death

8,412 were admitted to hospital

12,991

8

148

6,305 had a presentation to ED

6

5 died
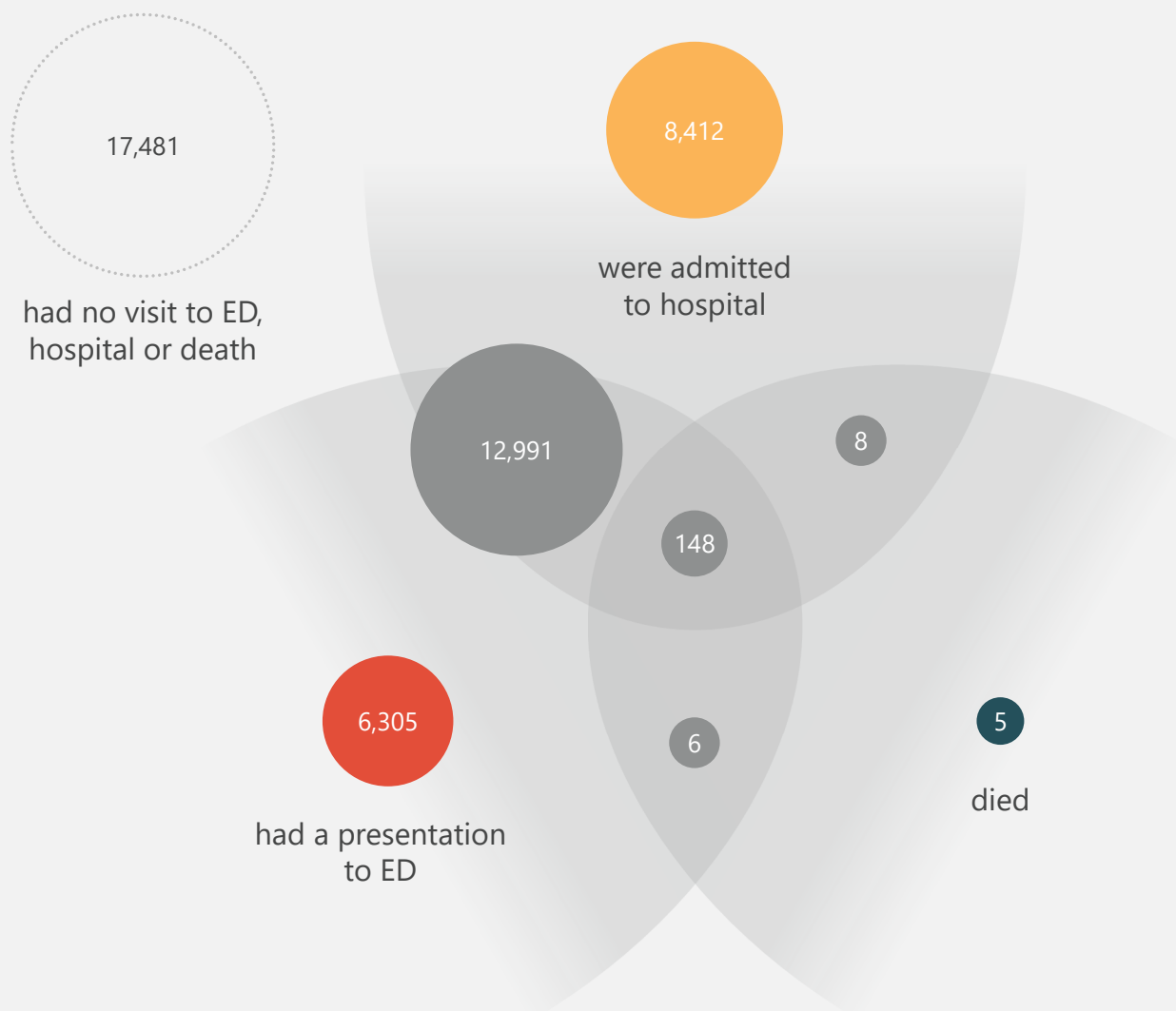
Data table – breakdown by groups

Number of patients by category		Number of patients across categories						
		8,412 (20.4%)	6,305 (15.3%)	5 (<0.1%)	12,991 (31.5%)	8 (<0.1%)	6 (<0.1%)	148 (0.4%)
Number of patients who had ED presentations	19,450		✔		✔		✔	✔
Number of patients who were admitted to hospital	21,559	✔			✔	✔		✔
Number of patients who died	167			✔		✔	✔	✔

For example, this column shows out of all the patients who visited your practice, the number who were admitted *and* made an ED presentation to hospital

What patient population comes to my practice?

Among patients who visited my practice over the last 12 months, what was their age and sex distribution and how does this compare to all other practices in the same PHN?

| | Male practice population (%) | Female practice population (%) |
| | Male PHN population (%) | Female PHN population (%) |

Male practice	Age group	Female practice
7.8%	85+	6.1%
8.4%	80 – 84	8.9%
9.8%	75 – 79	12.0%
12.9%	70 – 74	11.9%
10.2%	65 – 69	9.6%
7.1%	60 – 64	8.6%
9.6%	55 – 59	8.4%
5.3%	50 – 54	6.5%
3.8%	45 – 49	3.5%
4.5%	40 – 44	3.9%
2.1%	35 – 39	2.3%
3.0%	30 – 34	3.1%
2.0%	25 – 29	2.2%
3.0%	20 – 24	3.6%
1.5%	15 – 19	2.6%
2.3%	10 – 14	1.3%
3.0%	5 – 9	3.0%
3.8%	0 – 4	2.7%

Percentage of male patients (%)

Percentage of female patients (%)

Age categories: Elderly, Middle-aged, Adult, Young adult, Teenager, Child

How many of my patients have the following items recorded?

What proportion my patients who visited my practice in the last 12 months have ever had the following items recorded, compared to all other practices in the same PHN and in all PHNs?

Legend: ● This practice ● This PHN | All PHNs

Item	This practice value
Smoking Status	97.1
Alcohol Use	94.7
Body Mass Index	83.7
Blood Pressure	73.5
Haemoglobin	53.7
eGFR	52.2
ALT	51.8
Triglycerides	45.9
HDL	37.1
LDL	36.8
Influenza Immunisation	35.8
HbA1c	20.6
Microalbumin	13.0
Spirometry	0.3

Percentage of patients (%)

How frequently do my patients come to my practice?

Of the patients who visited my practice in the last 12 months, how frequent were their visits within the last 12 months, compared to all other practices in the same PHN and in all PHNs?

	1 to 2 visits	3 to 6 visits	7 or more visits
This practice	2,547 (41%)	1,908 (31%)	1,787 (29%)
This PHN	12,810 (39%)	10,202 (31%)	10,070 (30%)
All PHNs	44,920 (41%)	34,504 (31%)	31,273 (28%)

Percentage of patients (%)
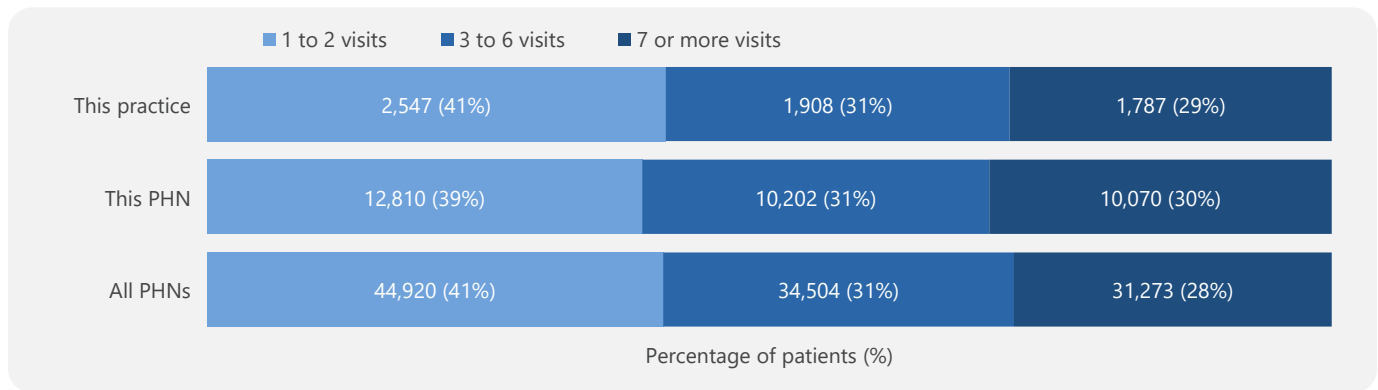
How often do my frequently and infrequently attending patients go to hospital?

Of the patients who visited my practice in the last 12 months, how common has public hospital admission* and emergency presentation been in the last 12 months, compared to all other practices in the same PHN and in all PHNs?

Admitted to hospital

	1 to 2 visits	3 to 6 visits	7 or more visits
This practice	358 (30%)	311 (26%)	536 (44%)
This PHN	1,554 (27%)	1,438 (25%)	2,664 (47%)
All PHNs	6,091 (29%)	5,474 (26%)	9,357 (45%)

Percentage of patients (%)
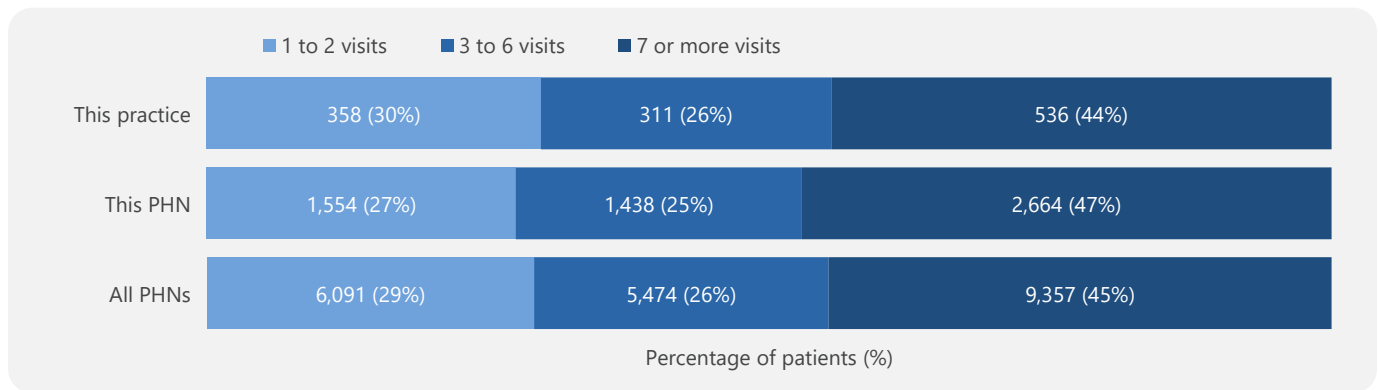
Presented to emergency department

	1 to 2 visits	3 to 6 visits	7 or more visits
This practice	477 (36%)	351 (27%)	486 (37%)
This PHN	1,879 (32%)	1,577 (27%)	2,424 (41%)
All PHNs	10,133 (36%)	7,912 (28%)	10,162 (36%)

Percentage of patients (%)
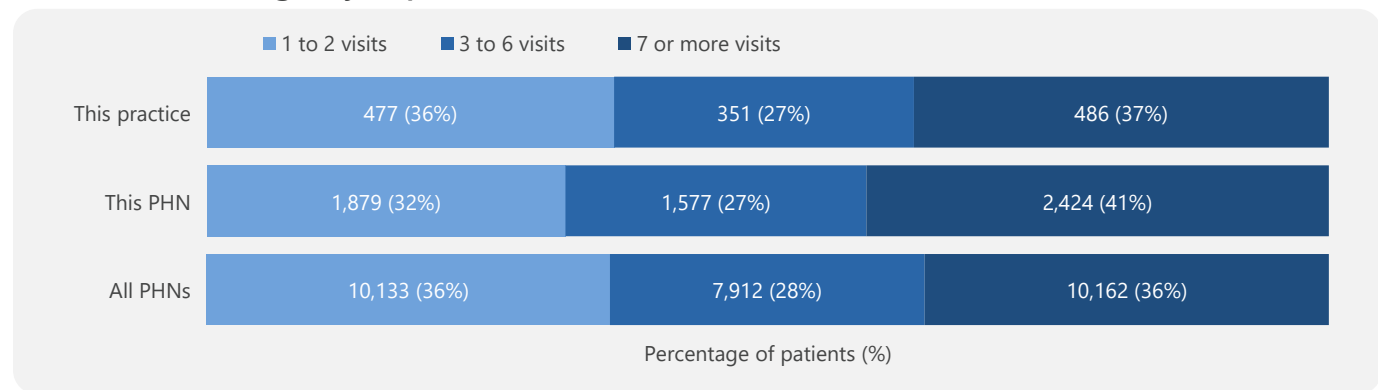
Notes:

* Private hospital data unavailable after DD/MM/YYYY.

What are the top ten most common ICD10 Codes for planned and un-planned hospital admissions for patients of my practice and my PHN?

Sample practice

Top 10 unplanned admissions

Patients admitted to hospital (%):

1 Single delivery	1.08
2 Arthropathies	0.69
3 Persons encountering health services for specific procedures and health care	0.64
4 Persons encountering health services for examination and investigation	0.51
5 Benign neoplasms	0.44
6 Complications of surgical and medical care, not elsewhere classified	0.42
7 Episodic and paroxysmal disorders	0.41
8 Noninflammatory disorders of female genital tract	0.41
9 Disorders of lens	0.39
10 Influenza and pneumonia	0.39

Top 10 planned admissions

Patients admitted to hospital (%):

1 Single delivery	1.08
2 Arthropathies	0.69
3 Persons encountering health services for specific procedures and health care	0.64
4 Persons encountering health services for examination and investigation	0.51
5 Benign neoplasms	0.44
6 Complications of surgical and medical care, not elsewhere classified	0.42
7 Episodic and paroxysmal disorders	0.41
8 Noninflammatory disorders of female genital tract	0.41
9 Disorders of lens	0.39
10 Influenza and pneumonia	0.39

Sample Primary Health Network

Top 10 unplanned admissions

Patients admitted to hospital (%):

1 Single delivery	1.08
2 Arthropathies	0.69
3 Persons encountering health services for specific procedures and health care	0.64
4 Persons encountering health services for examination and investigation	0.51
5 Benign neoplasms	0.44
6 Complications of surgical and medical care, not elsewhere classified	0.42
7 Episodic and paroxysmal disorders	0.41
8 Noninflammatory disorders of female genital tract	0.41
9 Disorders of lens	0.39
10 Influenza and pneumonia	0.39

Top 10 planned admissions

Patients admitted to hospital (%):

1 Single delivery	1.08
2 Arthropathies	0.69
3 Persons encountering health services for specific procedures and health care	0.64
4 Persons encountering health services for examination and investigation	0.51
5 Benign neoplasms	0.44
6 Complications of surgical and medical care, not elsewhere classified	0.42
7 Episodic and paroxysmal disorders	0.41
8 Noninflammatory disorders of female genital tract	0.41
9 Disorders of lens	0.39
10 Influenza and pneumonia	0.39