

Inform Gloucestershire

GP practice profiles - Musculoskeletal conditions

There are 81 GP practices in Gloucestershire.

Data presented in these profiles is based on GP Practice disease registers (maintained under the Quality and Outcomes Framework). The validity of this data in reflecting true population prevalence depends on individuals being registered with a GP Practice, presenting symptoms, receiving an accurate diagnosis and the GP adding the patient to the disease register. In addition it is not possible to adjust data from published disease registers for differences in the age profile of registered patients. Risk of many diseases increases with age, therefore higher prevalence rates may reflect an older registered population of a GP Practice and/or differences in other risk factors in the underlying population.

This profile provides a summary of the crude recorded prevalence of Osteoporosis and Rheumatoid Arthritis by GP Practice and GP Localities.

Note: Data presented in this profile has not been adjusted for the age profile of registered patients. Risk of osteoporosis and rheumatoid arthritis increase with age, therefore higher prevalence rates may reflect an older registered population of a GP Practice.

Osteoporosis

Osteoporosis is a condition that weakens bones, making them fragile and more likely to break. It develops slowly over several years and is often only diagnosed when a minor fall or sudden impact causes a bone fracture. Osteoporosis affects over three million people in the UK. More than 500,000 people receive hospital treatment for fragility fractures (fractures that occur from standing height or less) every year as a result of osteoporosis. Losing bone density is a normal part of the ageing process, but some people's bone density declines much faster than normal.

Table 1 shows the crude¹ recorded prevalence of osteoporosis by GP cluster².

¹ Crude rate/proportion/prevalence where the numerator is the number of new cases during the specified time period and the denominator is the population at risk during the period. This does not allow for variations in age profiles between different populations.

² GP clusters are made up of 3-11 practices of similar demographics and geographies. Individual practice level data is available at <https://fingertips.phe.org.uk/>

Table 1: Percentage of patients with osteoporosis (GP cluster)

GP Cluster	Combined Osteoporosis register	Combined patient list (50+)	% estimated prevalence
Aspen and Saintbridge	52	11,738	0.44
Berkeley Vale	153	17,392	0.88
Cheltenham Central	66	17,599	0.38
Cheltenham Peripheral	190	23,821	0.80
Forest of Dean	174	29,235	0.60
Gloucester Inner City	35	10,795	0.32
Hadwen Quedgeley and Rosebank (HQR)	106	15,268	0.69
North Cotswolds	33	14,806	0.22
North East Gloucester (NEG)	95	14,457	0.66
South Cotswolds	138	26,005	0.53
South East Gloucester and GHAC (SEGG)	69	8,830	0.78
St. Paul's	156	17,579	0.89
Stonehouse and Frampton	48	7,635	0.63
Stroud Central	64	14,598	0.44
Stroud Rural	98	13,797	0.71
Tewkesbury Newent and Staunton	52	18,643	0.28
Gloucestershire	1,529	262,198	0.58

Figure 1 shows the crude prevalence of osteoporosis by GP locality³. Cheltenham (0.70%) has the highest prevalence of patients with osteoporosis closely followed by Stroud & Berkeley Vale (0.68%). All localities except North Cotswold (0.22%) and Tewkesbury (0.28%) had crude prevalence over the England average (0.47%). Despite osteoporosis being associated with the older population some areas in the county with a higher proportion of older people such as North Cotswold have a lower percentage of patients with osteoporosis.

³ All 81 GP practices are aggregated into 7 locality areas. Each locality has a GP liaison lead sitting on the CCG Governing Body and a Locality Executive Group where 'local' decisions can be made.

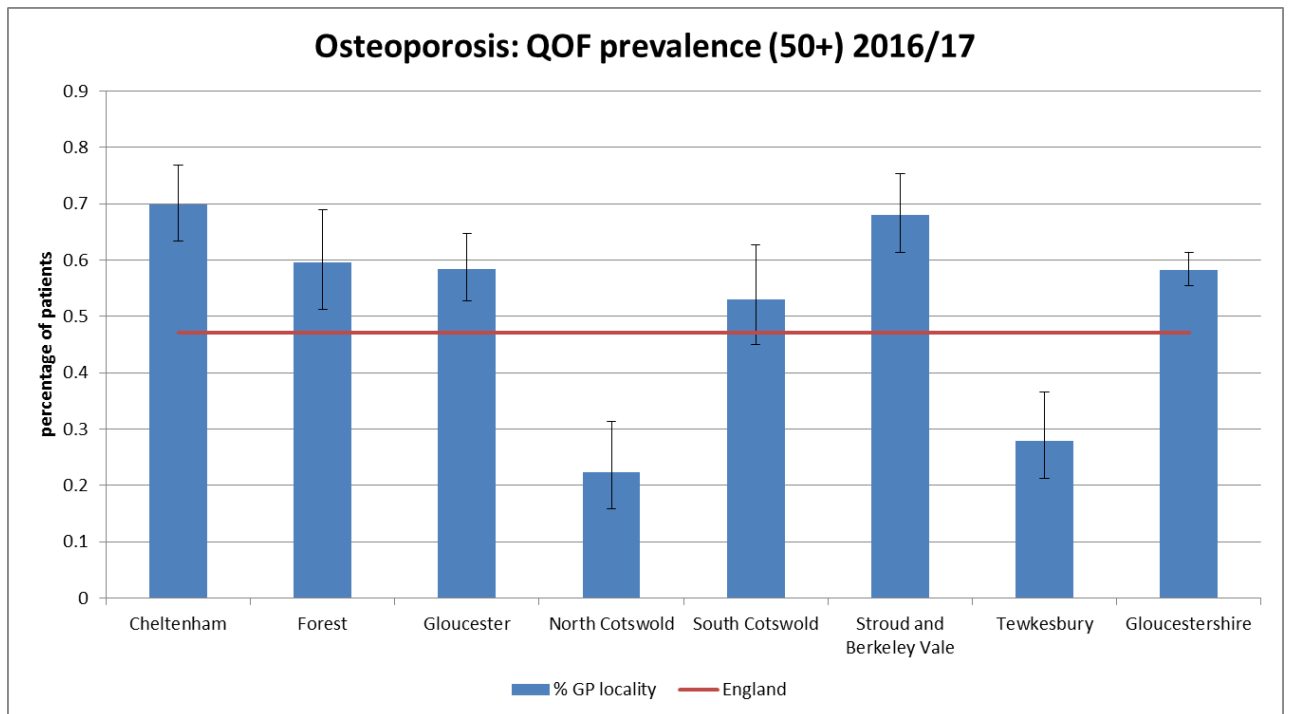


Figure 1: Proportion of patients with osteoporosis (GP locality)

Figure 2 shows the crude prevalence of osteoporosis by Taxonomy group⁴. Taxonomy group 9, most deprived younger population with a high prevalence of disease has the highest prevalence of osteoporosis.

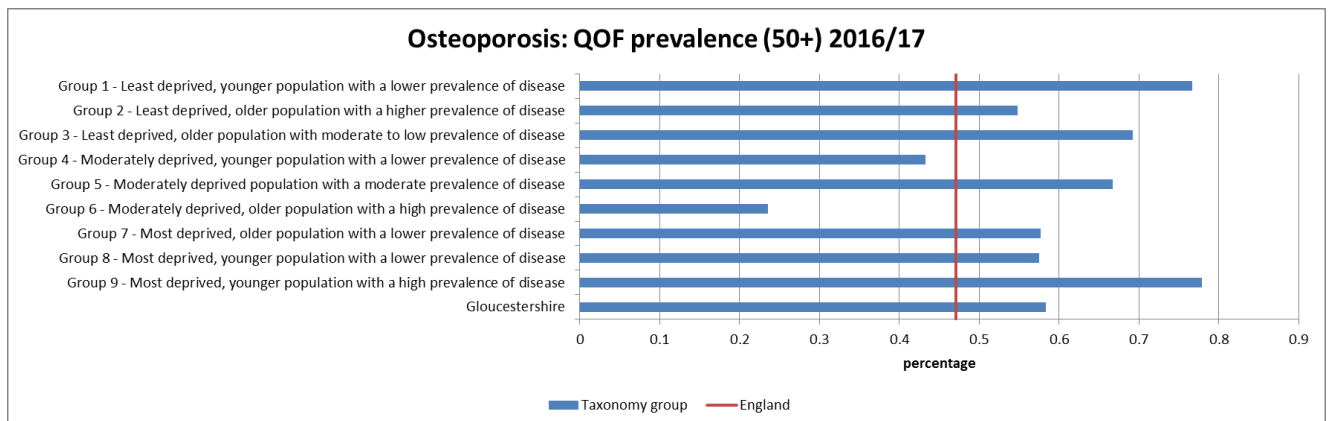


Figure 2: Proportion of patients with osteoporosis (taxonomy group)

Figure 3 shows the crude osteoporosis prevalence by GP practice. 16 practices have a significantly higher rate than the Gloucestershire average and 13 practices have a significantly lower rate.

⁴ All 81 practices have been aggregated into 9 groups using the most common age group, deprivation level and prevalence of disease of their patients.

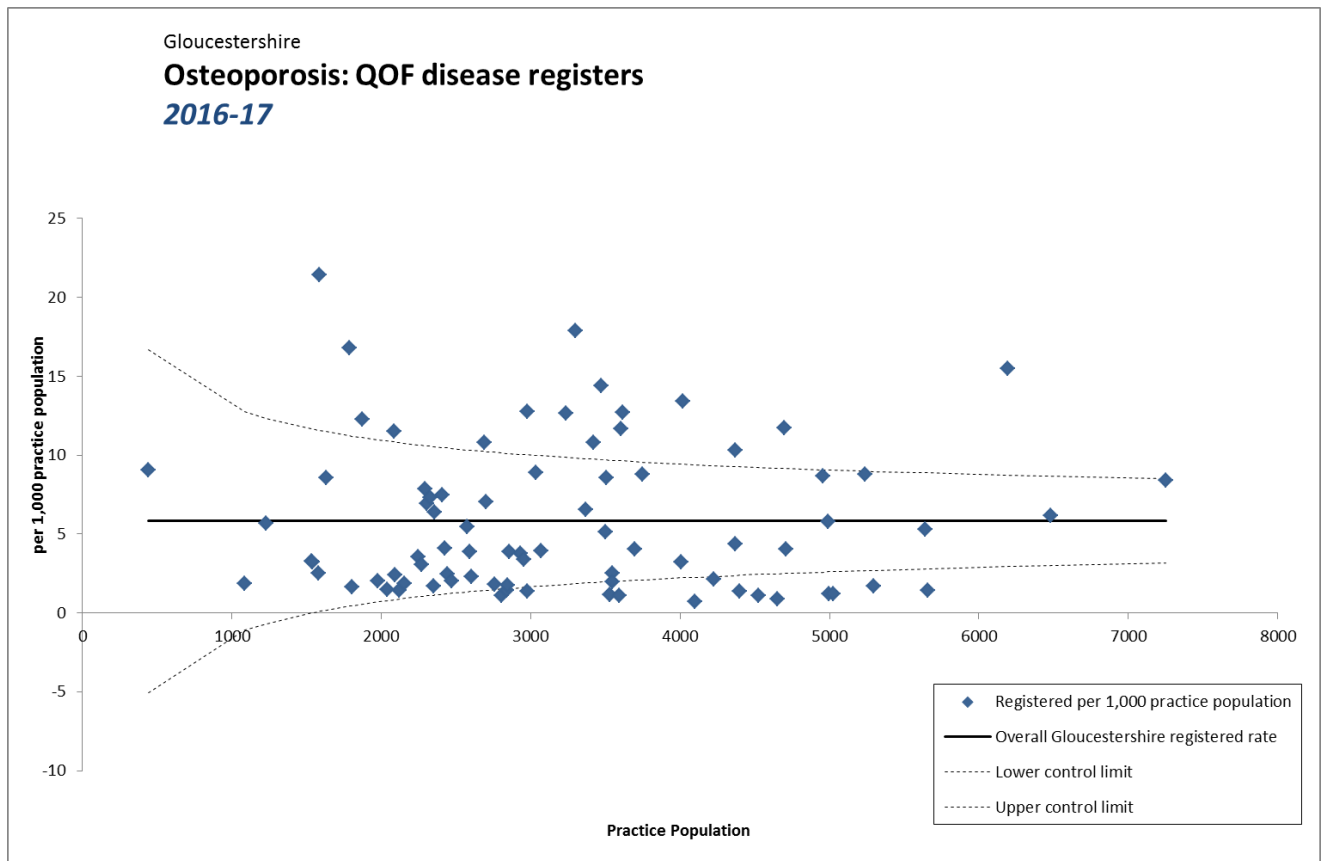


Figure 3: Proportion of patients with osteoporosis (GP practice)

Rheumatoid arthritis

Rheumatoid arthritis is a long-term condition that causes pain, swelling and stiffness in the joints. The symptoms usually affect the hands, feet and wrists. Rheumatoid arthritis is an autoimmune disease. This means the immune system – which usually fights infection – attacks the cells that line joints, making the joints swollen, stiff and painful. Over time, this can damage the joint itself, the cartilage and nearby bone. It's not clear what triggers this problem with the immune system, although women, those with a family history of rheumatoid arthritis and smokers are at an increased risk.

Table 2 shows the crude prevalence of rheumatoid arthritis by GP cluster.

Table 2: Proportion of patients with Rheumatoid arthritis

GP Cluster	Combined Rheumatoid arthritis register	Combined patient list (16+)	% estimated prevalence
Aspen and Saintbridge	257	24,369	1.05
Berkeley Vale	339	32,443	1.04
Cheltenham Central	291	45,551	0.64
Cheltenham Peripheral	365	42,015	0.87
Forest of Dean	529	52,581	1.01
Gloucester Inner City	231	27,340	0.84
Hadwen Quedgeley and Rosebank (HQR)	338	36,871	0.92
North Cotswolds	215	24,814	0.87
North East Gloucester (NEG)	264	28,167	0.94
South Cotswolds	333	48,678	0.68
South East Gloucester and GHAC (SEGG)	180	19,622	0.92
St. Paul's	253	39,208	0.65
Stonehouse and Frampton	110	14,630	0.75
Stroud Central	233	28,829	0.81
Stroud Rural	184	23,354	0.79
Tewkesbury Newent and Staunton	293	35,668	0.82
Gloucestershire	4,415	524,140	0.84

Figure 4 shows the crude prevalence of rheumatoid arthritis by GP locality. Prevalence of arthritis is above the England average (0.47%) in all localities, it is highest in Forest locality (1.01%).

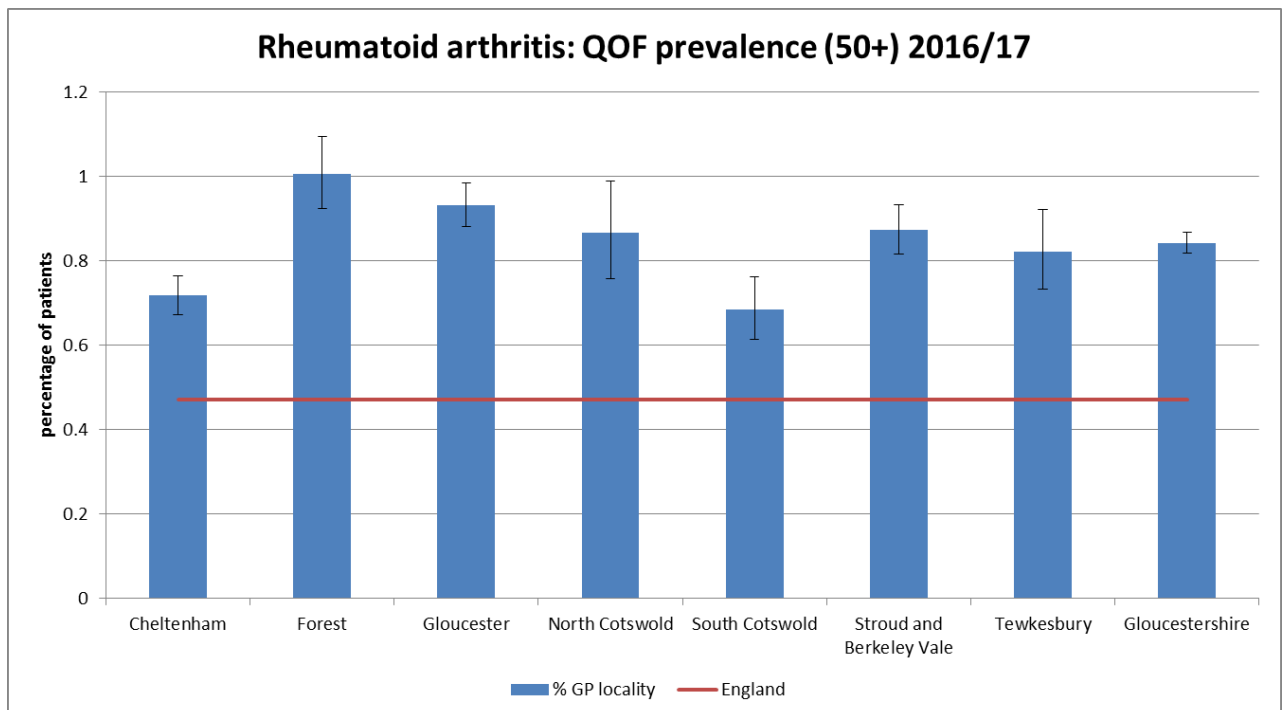


Figure 4: Proportion of patients with Rheumatoid arthritis (GP locality)

Figure 5 shows the crude prevalence of rheumatoid arthritis by Taxonomy group. Taxonomy group 7, most deprived older population with a lower prevalence of disease has the highest prevalence of rheumatoid arthritis.

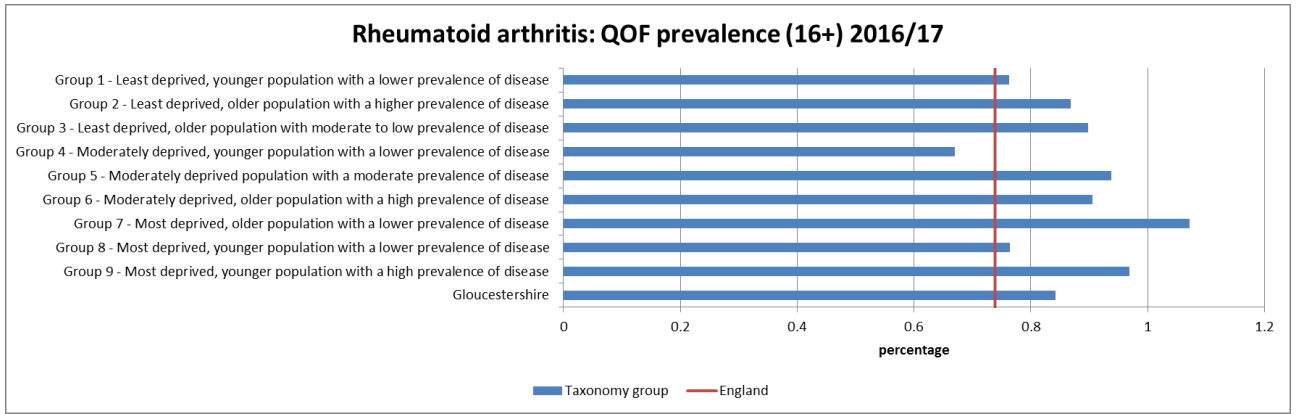


Figure 5: Proportion of patients with Rheumatoid arthritis (taxonomy group)

Figure 6 shows the crude rheumatoid arthritis prevalence by GP practice. 5 practices have a significantly higher rate than the Gloucestershire average and 3 practices have a significantly lower rate.

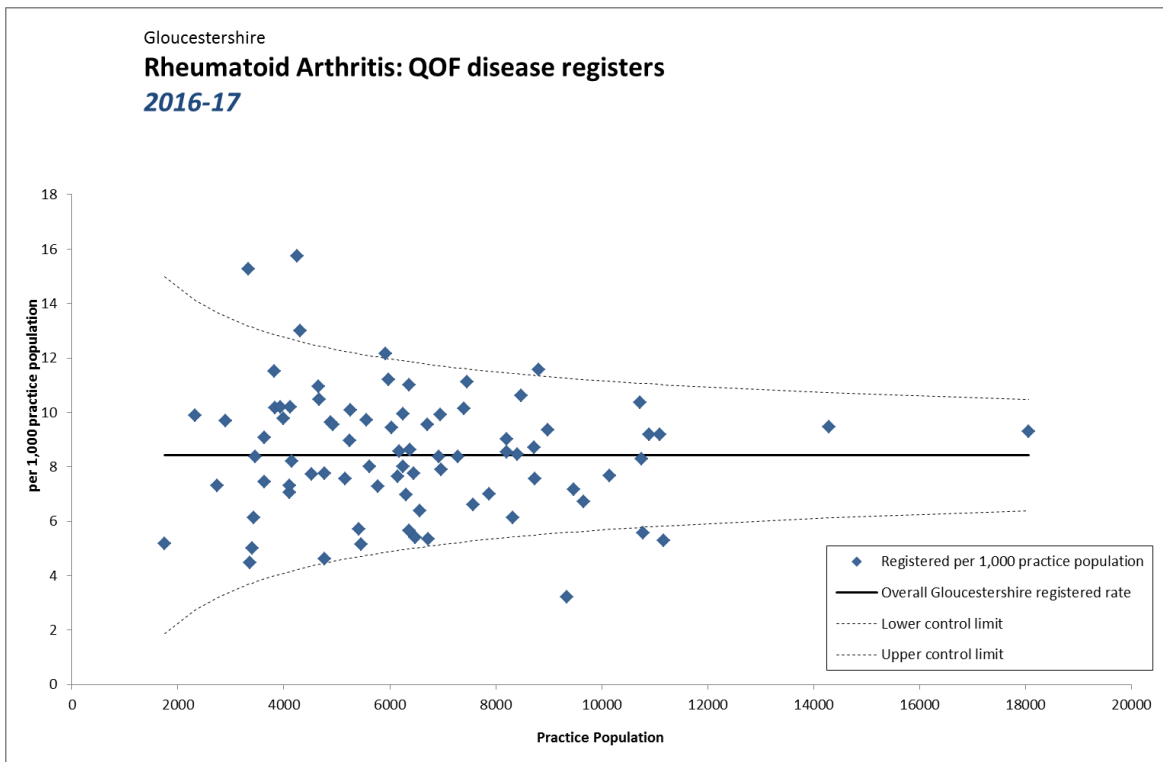


Figure 6: Proportion of patients with Rheumatoid arthritis (GP practice)

Key points and interpretation

There is significant variation in the recorded prevalence of osteoporosis, much of this would be expected to vary in line with differences in the population age-structure. It is therefore interesting to note the low recorded prevalence of osteoporosis in people aged over 50 and registered with practices in the North Cotswolds locality, an area with the highest proportion of registered patients over 65 (see population and wider determinants profile). Higher recorded prevalence may also be expected in Tewkesbury which also has an older population than the Gloucestershire average.

Recorded crude prevalence of rheumatoid arthritis appears to be associated with both the age and deprivation profile of registered population. A higher prevalence of rheumatoid arthritis than currently recorded might be expected in South Cotswold given the older age profile of the area.

References

All data relating to GP practices sourced from PHE fingertips; <https://fingertips.phe.org.uk/>

All information relating to medical conditions sourced from NHS choices;
<http://www.nhs.uk/pages/home.aspx>

Appendix 1: *GP Locality, Cluster, Practice table*

GP Locality	GP Cluster	Practice name
Cheltenham	Cheltenham Central	BERKELEY PLACE SURGERY
		CRESCENT BAKERY
		OVERTON PARK SURGERY
		ROYAL CRESCENT
		SPRINGBANK SURGERY
		UNDERWOOD SURGERY
	YORKLEIGH SURGERY(CT)	
	Cheltenham Peripheral	SEVEN POSTS SURGERY
		SIXWAYS CLINIC
		THE LECKHAMPTON SURGERY
		THE STOKE ROAD SURGERY, WINCHCOMBE MEDICAL CENTRE
	St. Paul's	ST.GEORGE'S SURGERY
		ST.CATHERINE'S SURGERY
		THE CORINTHIAN SURGERY
		THE PORTLAND PRACTICE
THE ROYAL WELL SURGERY		
Forest	Forest of Dean	BLAKENEY SURGERY
		BRUNSTON PRACTICE
		COLEFORD FAMILY DOCTORS
		DOCKHAM ROAD SURGERY
		DRYBROOK SURGERY
		FOREST HEALTH CARE
		LYDNEY PRACTICE
		MITCHELDEAN SURGERY
		NEWNHAM SURGERY
		SEVERN BANK SURGERY
		YORKLEY HEALTH CENTRE(WG)
		Gloucester
HEATHVILLE MEDICAL PRACTICE		
LONDON MEDICAL PRACTICE		
SAINTBRIDGE SURGERY		
Gloucester Inner City	BARTONGATE SURGERY	
	GLOUCESTER CITY HEALTH CENTRE	
	KINGSHOLM SURGERY	
Hadwen Quedgeley and Rosebank (HQR)	PARTNERS IN HEALTH, PAVILION FAMILY DRG	
	HADWEN MEDICAL PRACT.	
	QUEDGELEY MEDICAL CENTRE	
	ROSEBANK HEALTH	
North East Gloucester (NEG)	CHELtenham ROAD SURGERY	
	CHURCHDOWN SURGERY	
	COLLEGE YARD & HIGHNAM	
	LONGLEVENS SURGERY	
	BROCKWORTH SURGERY	
South East Gloucester and GHAC (SEGG)	GLOUCESTER HEALTH ACCESS CENTRE	
	HUCCLECOTE SURGERY	
North Cotswold	North Cotswolds	CHIPPING CAMPDEN SURGERY
		COTSWOLD MEDICAL PRACTICE
		MANN COTTAGE SURGERY
		STOW SURGERY
		WHITE HOUSE SURGERY
South Cotswold	South Cotswolds	AVENUE SURGERY
		HILARY COTTAGE SURGERY
		LECHLADE MEDICAL CENTRE
		PARK SURGERY(CV)
		PHOENIX SURGERY
		RENDCOMB SURGERY
		ROMNEY HOUSE SURGERY
ST.PETER'S ROAD SURGERY		
Stroud and Berkeley Vale	Berkeley Vale	ACORN PRACTICE
		CAM & ULEY FAMILY PRACTICE
		CHIPPING SURGERY
		CULVERHAY SURGERY
		MARYBROOK MEDICAL CENTRE
		WALNUT TREE PRACTICE
	Stonehouse and Frampton	FRAMPTON SURGERY
		HIGH STREET MEDICAL CENTRE
		REGENT STREET SURGERY
		STONEHOUSE HEALTH CLINIC
	Stroud Central	LOCKING HILL SURGERY
		ROWCROFT MEDICAL CENTRE
		STROUD HC
		STROUD VALLEYS FAMILY PRACTICE
	Stroud Rural	FRITHWOOD SURGERY
		HOYLAND HOUSE
MINCHINHAMPTON SURGERY		
PRICES MILL SURGERY		
Tewkesbury	Tewkesbury Newent and Staunton	CHURCH STREET PRACTICE
		HOLTS HEALTH CENTRE
		MYTHE MEDICAL PRACTICE
		STAUNTON & CORSE SURGERY