

Contextualising equalities data for acute services

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This data is based on acute patient throughput data from 01 April 2014 to 31 March 2015 for those aged 16 and over. The data has been analysed and modelled using census proportions to better understand the frequency of interactions of people with inequalities and protected characteristics with acute services. The data was modelled and prepared by Mike Grimmer, Information Services Department and notes on the analysis and all the data tables are contained in the appendices for information.

It is anticipated this analysis will be used to help acute services frontline staff prepare for the range of patients needs they may face on a day to day basis and to assist service planners and managers in ensuring services are organised in a way that meets the needs of the patient population.

Summary of key findings:

- **Gender:**
 - Gender is almost evenly split for A&E/MIU attendances, however for outpatients, day cases and inpatients there are a higher proportion of females than males equating to 11 in every 20 people.
- **Age:**
 - There is a higher proportion of 16-64 yrs olds compared to over 65 year olds using A&E and MIU services with 3 in every 4 people being 16-64 yr olds. This difference continues however diminishes for both outpatients and day cases who each have increasing proportions of over 65 yr olds.
 - Conversely, inpatient figures show a higher proportion of over 65s than 16-64 yr olds with 2 in every 3 people being over 65.
- **Deprivation:**
 - The percentage of people from SIMD 1 & 2 combined equates to 6 in every 10 people for both A&E/MIU activity and hospital inpatient activity
 - For both outpatient and day case activity the percentage of people from SIMD 1 & 2 combined equates to 5 in every 10.
- **Ethnicity**
 - The highest proportion of service use is by people from a white background for all hospital activity data. The second highest proportion across all hospital sites is for people identifying as Asian, Asian Scottish or Asian British.
 - There is variation according to site with Glasgow City hospitals having a higher proportion of people using services that are from a minority ethnic group than Royal Alexandra Hospital, Inverclyde Royal Hospital & Vale of Leven.
 - The percentage of people from a minority ethnic group varies according to type of service with A&E/MIU having highest proportion at 5.85%, outpatient appointments at 3.83%, day cases at 3.61% and hospital inpatients at 2.58%, i.e. from 1 in every 20 people at the highest frequency to 1 in every 40 people at the lowest.
- **English Language Skills:**
 - The percentage of people likely to identify as not able to speak English is approximately 1 in every 20 people in A&E, MIU, Outpatient clinics and day case appointments however this rises to 1 in every 10 people in a hospital inpatient setting.
 - Almost 2 in every 100 people using A&E/MIU, outpatient and day case appointments report being able to speak English but cannot read and this rises to almost 3 in every 100 people in a hospital inpatient setting.
- **Religion:**

- Those identified as having a Christian religion are in the highest proportion with about 2 in every 3 people in this group for A&E, MIU, outpatient & day case services however, coinciding with the age gradient rising for hospital inpatients this rises to almost 3 in every 4 people admitted to hospital.
- Long term condition/disability:
 - As would be expected, increasing numbers of people identify as having one or more long term condition with age, and level of service, i.e. ranging from A&E and MIU at 38.50% to 61.38% for hospital inpatients (or from approx 2 in 5 to 3 in 5).
 - > Deafness or partial hearing loss:
 - More than half of people over 60 have some degree of hearing loss
 - 1 in 6 people in Scotland are Deaf and hearing impaired
 - There is variation in the proportion of people likely to present according to service type with 1 in 10 at A&E/MIU, rising with the age gradient to almost 1 in 4 for hospital inpatients.
 - > Blindness or partial sight loss:
 - It is estimated that 1 in 8 people in the population has some degree of sight loss.
 - 90% of blind and partially sighted people are over 60 yrs old
 - There is variation in the proportion of people likely to present according to service type with almost 2 in every 50 people at A&E/MIU to almost 5 in every 50 people for hospital inpatients.
 - > Physical disability:
 - Ranges from 1 in 10 at A&E/MIU to 2 in 10 for hospital inpatients.
 - > Learning disability:
 - Proportions for learning disability decreases with increasing level of service and age therefore for hospital inpatients about 4 in every 1000 people to A&E/MIU with 5 in every 1000 people.
- LGBT:
 - Approximately 6 in every 100 people are likely to be from the Lesbian, Gay, Bisexual or Transgender community.

As would be expected there are variations across hospital sites for most of the categories and these are explained in more detail in the remainder of the document.

1. A&E/MIU Attendances

1.1 Attendances

There were 345,679 attendances in total in accident and emergency and minor injuries units combined. This equates to an average of 974 (974.4) attendances per day. There are **40 attendances per hour** (40.6).

1.2 Gender

Gender is evenly split with 50.71% female and 49.29% male. This ranged from Vale of Leven (with highest proportion of women at 52.43% to Western Infirmary/Gartnavel General which had the lowest proportion of women at 48.15%).

1.3 Age

On average across all A&Es & MIUs, 74.15% are aged 16-64, while 25.85% are over 65 yrs old, i.e. approx. 1 in every 4 attendances are over 65.

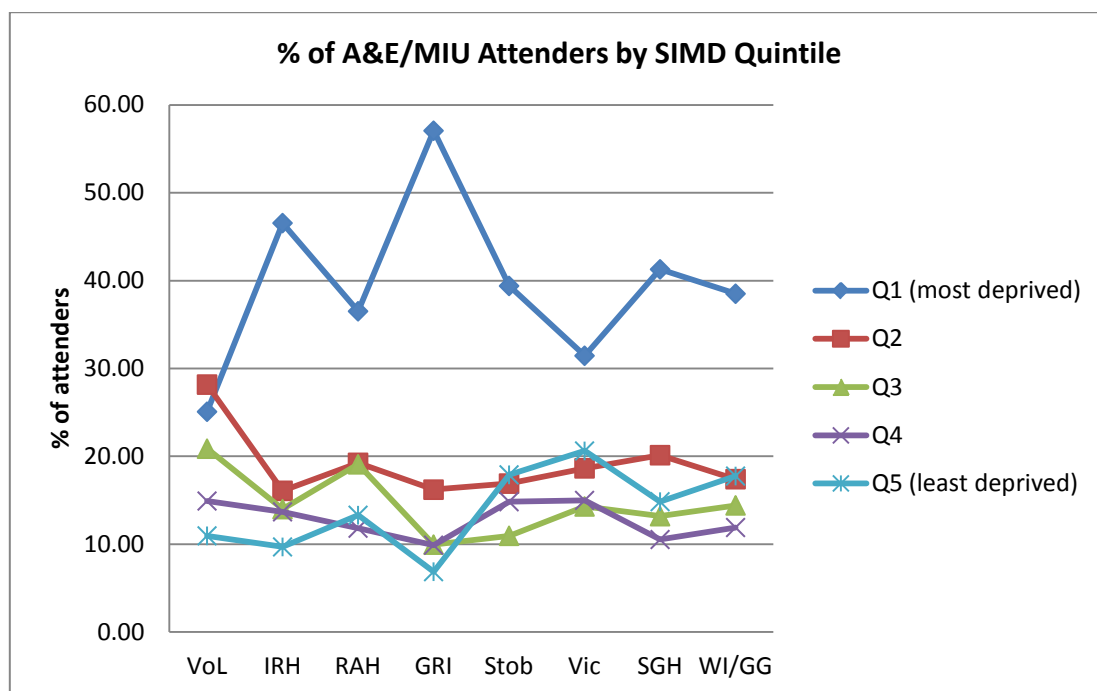
There was variation according to hospital site for age groups of attendees with:

- Stobhill, Victoria and Western Infirmary/Gartnavel General average approximately 3 in 20 attendances over 65 (14.83%, 15.55% and 13.91% respectively)
- GRI has just under 1 in 4 attendances over 65 (22.19%)
- VoL, RAH, IRH and SGH average 3 in 10 attendances over 65 (30.91%, 31.03%, 30.16%, 30.82% respectively).

1.4 Deprivation

In total 61.60% of attendances are from SIMD 1 & 2, that's just over 3 in every 5 attendances or 25 attendances an hour.

There is variation in proportions of attendees in each SIMD quintile according to site:



Deprivation (%)	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG
Q1 (most deprived)	25.08	46.55	36.51	57.06	39.40	31.45	41.29	38.51
Q2	28.17	16.08	19.26	16.21	16.90	18.64	20.13	17.40
Q3	20.88	14.00	19.10	9.96	10.96	14.30	13.20	14.42
Q4	14.92	13.68	11.82	9.90	14.84	14.99	10.54	11.90
Q5 (least deprived)	10.96	9.69	13.30	6.87	17.90	20.62	14.84	17.76
Combined SIMD 1&2	25.08	46.55	36.51	57.06	39.40	31.45	41.29	38.51

- This ranges from 3 in 20 attendances in SIMD 1 at the Vale of Leven to almost 12 in 20 attendances in SIMD 1 at the Glasgow Royal Infirmary.
- Combined SIMD 1+2, ranges from 1 in 4 at the Vale of Leven MIU to just over 2 in 4 at Glasgow Royal Infirmary.
- This ranges from 1 in 20 in SIMD 5 at Glasgow Royal Infirmary to just over 5 in 20 in SIMD 5 at Victoria.

1.5 Ethnicity

White background accounts for 94.15% of attendances, with minority ethnic groups averaging 5.85%. This equates to just over 2 attendances an hour being from minority ethnic group. Asian, Asian Scottish or Asian British is the highest minority ethnic group at 4.23%.

There is variation according to site with Glasgow City hospitals having a higher proportion of non-white attendances than RAH, IRH & VoL:

- Glasgow city hospitals range from 6.48% at SGH to 8.31% at WI/GG
- Other sites range from 1.28% at IRH to 2.74% at RAH.

1.6 Migration

Those identifying as from EU Accession countries equate to 1.16% across all sites; that's 1 in every 86 attendances (86.21). There is variation between Glasgow City hospitals having a higher proportion than sites out with Glasgow (RAH, IRH & VoL):

- Glasgow city hospitals range from 1.20% at SGH to 1.64% at WI/GG
- Other site range from 0.30% at IRH to 0.82% at RAH.

1 in every 100 attendances is likely to be a person seeking asylum in this country.

1.7 English Language Skills

Those able to speak read and write English account for a total of 94.11% attendances, almost 19 out of 20. The remainder are identified using the following categories from the Census 2011:

English Language Skills (%)	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG	Total
<i>Understands but does not speak, read or write English</i>	2.85	2.85	2.46	2.99	2.16	2.38	3.33	2.41	2.88
<i>Speaks, reads and writes English</i>	94.60	94.49	94.96	93.79	95.30	94.79	93.28	94.76	94.11
Speaks but does not read or write English	1.40	1.51	1.37	1.68	1.28	1.45	1.79	1.45	1.59
<i>Speaks and reads but does not write English</i>	0.51	0.57	0.63	0.68	0.61	0.67	0.70	0.64	0.66
<i>Reads but does not speak or write English</i>	0.05	0.04	0.04	0.06	0.05	0.05	0.06	0.06	0.05
<i>Other combination of skills in English</i>	0.49	0.46	0.44	0.51	0.40	0.44	0.55	0.44	0.49
<i>No skills in English</i>	0.10	0.07	0.11	0.28	0.20	0.23	0.28	0.24	0.22
Total that do not speak English	3.00	2.96	2.61	3.34	2.40	2.66	3.68	2.70	3.15

The Census categories do not identify how many of those with no or limited English Language Skills have another first language and therefore would require an interpreter. Those with no or limited skills may require written information in other formats more suitable to their needs, e.g. translated to another language, Easy read/Plain English, or words and pictures to aid understanding.

Those that do not speak English are highlighted in grey in the table above and these figures give an indication of the number of attendances likely to require an interpreter. This group account for 3.15% of attendances across all sites, that's 1 in every 32 attendances (31.74) approximately 1 case an hour on average across all GGC A&E/MIU sites. There is variation in this figure according to site:

- Stobhill has the lowest percentage for this group at 2.40%; 1 in 42 attendances (41.67)

- SGH has the highest percentage for this group at 3.68%; 1 in 27 attendances (27.17)
- GRI has next highest percentage at 3.34%; 1 in 29 attendances (29.41)
- Vale of Leven is third highest across all sites at 3.0%; 1 in 33 attendances (33.33)

Those that do not read English but report speaking English are highlighted in **bold** in the table and across all sites this averages 1.59%; 1 in 63 attendances (62.89). There is variation across sites:

- 1.28% at Stobhill; 1 in 78 attendances (78.13)
- 1.79% at SGH; 1 in 56 attendances (55.87)

1.8 Religion

Christian religions (Church of Scotland, Roman Catholic & Other Christian combined) account for 61.97% of attendances; almost 2 in 3. Those with no religion account for 27.26% and religion not stated 6.73%.

There is variation in percentages of attendees likely to be from non-Christian religions, with Glasgow City hospital sites having much more variation than RAH, IRH & VoL:

- % Muslim is highest of the non-Christian religions, averaging 2.42% in total; that's almost 1 in 40 (or one attendance an hr on average).
 - This ranges from 2.8% at Stobhill to 3.46% at Victoria (Glasgow city hospitals); equating to just over 1 in 40 attendances
 - Sites elsewhere range from 0.27% at IRH to 0.90% at RAH; equating to around 1 in 400 attendances.
- % Jewish averages at 0.3% in total however attendances from this group feature most around three hospital sites RAH (0.35%), SGH (0.45%) and Victoria (0.64%).
- % attendees from Hindu (0.29%), Buddhist (0.29%) and Sikh (0.38%) religions are more likely in Glasgow City hospitals.

1.9 Long Term Health Conditions & Disability

Across all sites 15.91% attendances are likely to have a health condition which limits their day to day activities a lot, that's 1 in 6 (6.29). This ranges from 10.77% at Stobhill to 18.58% at SGH.

Approximately 4 in every 10 attendances are likely to have one or more long term health condition or disability (38.50%). This ranges from 3 in ten at Stobhill, WI/GG and Victoria to 4 in 10 at VoL, IRH, RAH & SGH. Variation across all disabilities/conditions is again matched to this grouping of sites with Stobhill, WI/GG and Victoria having lower percentages than VoL, IRH, RAH & Stobhill and GRI having mid range percentage equivalent to the average.

These figures are shown in the table below:

Long-term Health Conditions (%)	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG	Total
<i>No condition</i>	58.87	57.72	60.42	63.26	69.25	67.61	58.06	68.63	61.50
One or more conditions	41.13	42.28	39.58	36.74	30.75	32.39	41.94	31.37	38.50

<i>Deafness or partial hearing loss</i>	11.91	12.78	11.46	8.88	6.14	6.75	11.78	6.44	10.19
<i>Blindness or partial sight loss</i>	4.40	4.47	4.25	3.50	2.27	2.62	4.68	2.60	3.92
<i>Learning disability</i>	0.47	0.58	0.50	0.55	0.53	0.56	0.53	0.56	0.54
<i>Learning difficulty</i>	1.68	1.90	1.82	1.98	1.91	2.09	1.75	2.25	1.89
<i>Developmental disorder</i>	0.34	0.35	0.34	0.35	0.41	0.40	0.31	0.45	0.35
<i>Physical disability</i>	11.34	10.93	10.36	9.82	7.05	7.84	11.95	7.61	10.31
<i>Mental health condition</i>	6.05	7.11	6.03	6.87	5.74	6.46	7.07	6.52	6.68
<i>Other condition</i>	25.48	25.23	24.08	22.50	19.14	19.76	25.66	18.90	23.49

- Deafness or partial hearing loss:
 - Ranges from 6.14% at Victoria to 12.78% at IRH; 1 in 16 to 1 in 8 (7.82).
 - More than half of people over 60 have some degree of hearing loss.
 - 1 in 6 people in Scotland are Deaf and hearing impaired. There are approximately 163,100 Deaf and hearing impaired people in the NHS GGC area. Of these 1250 use BSL and 440 are deafblind.
- Blindness of partial sight loss:
 - Ranges from 2.60% at WI/GG to 4.68% at SGH; that's 1 in 38 (38.46) to 1 in 21 attendances (21.37)
 - It is estimated that 1 in 8 people in the population has some degree of sight loss. Blind and partially sighted registration data is likely to underestimate the numbers of people living with significant sight loss. 90% of blind and partially sighted people are over 60 yrs old.
- Physical disability:
 - Ranges from 7.05% at Stobhill to 11.95% at SGH; that's 1 in 14 (14.18) to 1 in 8 (8.37) attendances.
- Mental Health condition:
 - Ranges from 5.74% at Stobhill to 7.11% at IRH; that's 1 in 17 (17.42) to 1 in 14 (14.06) attendances.
- Learning disability:
 - There is little variation across sites. The average is 0.54%, that's 1 in 185 attendances.
 - From 2012, the Learning Disability Local Enhanced Service register held approximately 5,400 adults with learning disabilities with GPs across NHS GGC.

1.10 LGBT

Approximately 6 in every 100 attendances is likely to be someone from the Lesbian, Gay, Bisexual or Transgender community.

2. Outpatient Attendances

2.1 Attendances

There were 985,607 attendances in total in outpatient clinics across all hospital sites. This equates to an average of 2708 (2707.71) per day. This is based on people aged 16 or over and is mapped to the new acute model.

2.2 Gender

Gender is not evenly split with 58.29% female and 41.71% male. This ranged from Stobhill (with highest proportion of women at 63.98% to Western Infirmary/Gartnavel General which had the lowest proportion of women at 55.53%).

2.3 Age

On average across all sites, 61.91% are aged 16-64, while 38.09% are over 65 yrs old, i.e. approx. 1 in every 4 attendances are over 65.

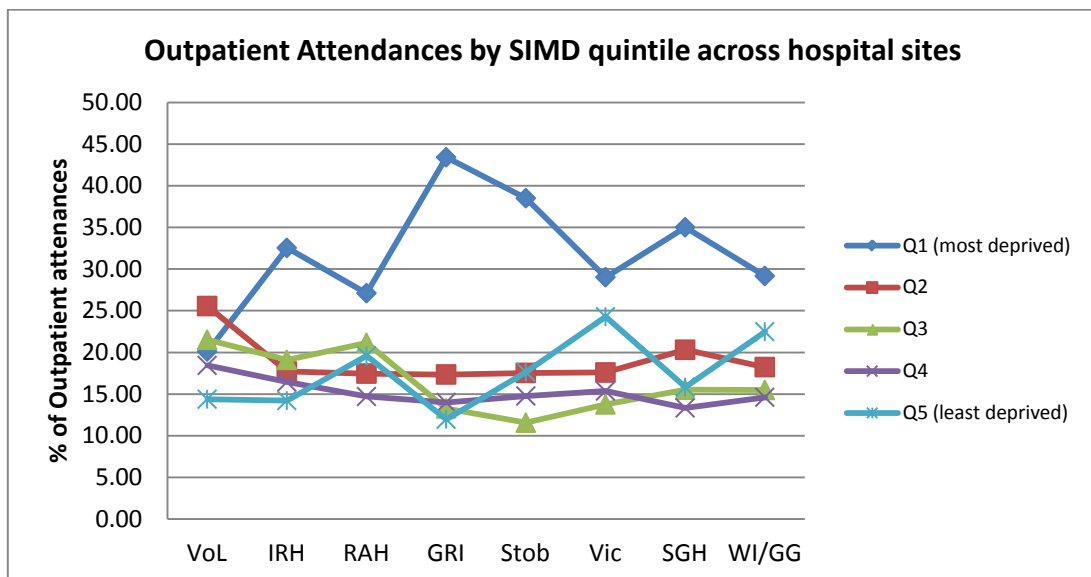
There was variation according to hospital site for age groups of attendees with:

- SGH has lowest proportion with 30.90%, about 3 in 10 being over 65
- GRI has second lowest percentage at 33.78% over 65
- Stobhill, Victoria, WI/GG, RAH & VoL have approximately 4 in 10 attendances over 65
- IRH has the highest proportion with 44.52% over 65.

2.4 Deprivation

In total 50.82% of attendances are from SIMD 1 & 2, that's 1 in every 2 attendances.

There is variation in proportions of attendees in each SIMD quintile according to site:



Deprivation (%)	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG	Total
Q1 (most deprived)	20.11	32.54	27.10	43.41	38.50	29.03	35.01	29.17	32.44
Q2	25.56	17.70	17.46	17.35	17.53	17.59	20.31	18.24	18.37

Q3	21.51	19.10	21.15	13.27	11.56	13.76	15.51	15.49	15.73
Q4	18.44	16.44	14.71	13.99	14.77	15.36	13.33	14.62	14.78
Q5 (least deprived)	14.38	14.22	19.58	11.97	17.63	24.27	15.83	22.49	18.68
Combined SIMD 1 & 2	45.67	50.24	44.56	60.76	56.04	46.61	55.32	47.41	50.82

- This ranges from 20.11% at VoL or about 2 in 10 in SIMD 1 to 43.41% at GRI or about 4 in 10.
- For combined SIMD 1 & 2 this ranges from 44.56% at RAH to 60.76% at GRI (from 9 to 12 in every 20 attendances).
- For the least deprived quintile, SIMD 5, this ranges from 11.97% at GRI to 24.27% at Victoria (from about 2 to almost 5 in 20).

2.5 Ethnicity

White background accounts for 96.17% of attendances, with minority ethnic groups averaging 3.83%. This equates to 1 in every 26 attendances being from a minority ethnic group. Asian, Asian Scottish or Asian British is the highest minority ethnic group at 2.84%.

There is variation according to site with Glasgow City hospitals having a higher proportion (almost double) of non-white attendances than RAH, IRH & VoL:

- Glasgow city hospitals range from 4.12% at WI/GG to 4.98% at GRI (from 4 to 5 in every 100 attendances)
- Other sites range from 0.96% at IRH to 2.05% at RAH (from 1 to 2 in every 100 attendances).

2.6 Migration

Those identifying as from EU Accession countries equate to 0.69% across all sites; that's 1 in every 145 attendances (144.9). There is variation between Glasgow City hospitals having a higher proportion than sites out with Glasgow (RAH, IRH & VoL):

- Glasgow city hospitals range from 0.71% at Stobhill & WI/GG to 0.85% at SGH (Approximately 1 in 118 at SGH, the highest proportion)
- Other sites range from 0.25% at IRH to 0.54% at RAH (Approx. 1 in 400, the lowest proportion).

1 in every 100 attendances is likely to be a person seeking asylum in this country.

2.7 English Language Skills

Those able to speak read and write English account for a total of 94.11% attendances, almost 19 out of 20. The remainder are identified using the following categories from the Census 2011:

English Language Skills (%)	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG	Total
<i>Understands but does not speak, read or write English</i>	3.21	3.34	2.89	3.67	3.58	3.70	3.34	3.60	3.47
	94.0	93.7	94.4	92.9	93.1	92.8	93.4	93.3	93.3
<i>Speaks, reads and writes English</i>	9	6	0	6	5	6	6	93.17	6

Speaks but does not read or write English	1.50	1.65	1.45	1.80	1.73	1.84	1.70	1.73	1.70
Speaks and reads but does not write English	0.50	0.57	0.62	0.65	0.64	0.69	0.65	0.62	0.63
Reads but does not speak or write English	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
Other combination of skills in English	0.53	0.53	0.48	0.58	0.57	0.57	0.54	0.57	0.55
No skills in English	0.12	0.09	0.12	0.28	0.27	0.28	0.25	0.24	0.22
Total do not speak English	3.38	3.48	3.05	4.01	3.91	4.04	3.65	3.90	3.76

The Census categories do not identify how many of those with no or limited English Language Skills have another first language and therefore would require an interpreter. Those with no or limited skills may require written information in other formats more suitable to their needs, e.g. translated to another language, Easy read/Plain English, or words and pictures to aid understanding.

Those that do not speak English are highlighted in grey in the table above and these figures give an indication of the number of attendances likely to require an interpreter. This group account for 3.76% of attendances across all sites, that's about 1 in every 27 attendances (26.59). There is variation in this figure according to site:

- RAH has the lowest percentage for this group at 3.05%; 1 in 33 attendances (32.79)
- Victoria has the highest percentage for this group at 4.04%; 1 in 25 attendances (24.75)
- GRI has next highest percentage at 4.01% closely followed by Stobhill & WI/GG at 3.90% and 3.91% respectively;
- SGH is third highest across all sites at 3.65%; 1 in 27 attendances (27.40).

Those that do not read English but report speaking English are highlighted in **bold** in the table and across all sites this averages 1.70%; 1 in 58 attendances (58.82). There is variation across sites with Glasgow City hospital sites having a high proportion than those out with the city:

- 1.45% at RAH; 1 in 69 attendances (68.97)
- 1.80% at GRI; 1 in 56 attendances (55.56).

2.8 Religion

Christian religions (Church of Scotland, Roman Catholic & Other Christian combined) account for 67.88% of attendances; around 2 in 3. Those with no religion account for 22.29% and religion not stated 6.88%.

There is variation in percentages of attendees likely to be from non-Christian religions, with Glasgow City hospital sites having much more variation than RAH, IRH & Vol:

- % Muslim is highest of the non-Christian religions, averaging 1.61% in total; that's 1 in every 62 attendances.
 - This ranges from 1.85% at Stobhill to 2.19% at GRI (Glasgow city hospitals); about 1 in 47 at the highest proportion in GRI
 - Sites elsewhere range from 0.18% at IRH to 0.67% at RAH; about 1 in 556 at the lowest proportion in IRH.
- % Jewish averages at 0.33% in total however attendances from this group feature most around three hospital sites RAH (0.42%), SGH (0.40%) and Victoria (1.01%).
- % attendees from Hindu (0.27%), Buddhist (0.22%) and Sikh (0.30%) religions are more likely in Glasgow City hospitals.

2.9 Long Term Condition & Disability

Across all sites 19.23% attendances are likely to have a health condition which limits their day to day activities a lot, that's about 1 in 5 (5.20). This ranges from 17.62% at RAH to 20.66% at Victoria.

Just over 4 in every 10 attendances are likely to have one or more long term health condition or disability (46.04%). This ranges from 43.28% at SGH to 48.54% at IRH. Figures are shown in the table below:

<i>Long-term Health Conditions (%)</i>	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG	Total
<i>No condition</i>	53.60	51.46	54.79	55.00	53.43	52.59	56.72	53.43	53.96
<i>One or more conditions</i>	46.40	48.54	45.21	45.00	46.57	47.41	43.28	46.57	46.04
<i>Deafness or partial hearing loss</i>	13.79	15.40	13.36	11.64	12.80	13.55	10.85	12.79	12.80
<i>Blindness or partial sight loss</i>	4.81	5.10	4.63	4.19	4.54	4.94	3.87	4.48	4.51
<i>Learning disability</i>	0.41	0.46	0.44	0.51	0.46	0.49	0.52	0.48	0.48
<i>Learning difficulty</i>	1.26	1.32	1.28	1.42	1.17	1.26	1.46	1.30	1.32
<i>Developmental disorder</i>	0.19	0.19	0.20	0.22	0.17	0.19	0.22	0.20	0.20
<i>Physical disability</i>	13.07	13.00	12.23	12.87	13.20	13.71	11.95	13.23	12.94
<i>Mental health condition</i>	6.01	6.59	6.07	7.05	6.68	6.93	7.02	6.69	6.71
<i>Other condition</i>	29.64	30.37	28.63	28.92	30.03	30.11	27.80	30.02	29.46

- Deafness or partial hearing loss:
 - Ranges from 10.85% at SGH to 15.40% at IRH; from about 2 to 3 in every 20 attendances.
 - More than half of people over 60 have some degree of hearing loss.
 - 1 in 6 people in Scotland are Deaf and hearing impaired. There are approximately 163,100 Deaf and hearing impaired people in the NHSGGC area. Of these 1250 use BSL and 440 are deafblind.

- Blindness of partial sight loss:
 - Ranges from 3.87% at SGH to 5.10% at IRH; that's around 2 in every 50 attendances.
 - It is estimated that 1 in 8 people in the population has some degree of sight loss. Blind and partially sighted registration data is likely to underestimate the numbers of people living with significant sight loss. 90% of blind and partially sighted people are over 60 yrs old.

- Physical disability:
 - Ranges from 11.95% at SGH to 13.71% at Victoria; that's from 1 in 8 (8.37) to 1 in 7 (7.29) attendances.

- Mental Health condition:
 - Ranges from 6.01% at VoL to 7.05% at GRI; from 1 in 17 (16.63) to 1 in 14 (14.18) attendances.

- Learning disability:
 - There is little variation across sites. The average is 0.48%, that's almost 1 in 200 attendances.
 - From 2012, the Learning Disability Local Enhanced Service register held approximately 5,400 adults with learning disabilities with GPs across NHSGGC.

2.10 LGBT

Approximately 6 in every 100 attendances is likely to be someone from the Lesbian, Gay, Bisexual or Transgender community.

3. Day cases

3.1 Attendances

There were 153,552 day cases in total across all hospital sites. This equates to an average of 422 (421.85) per day. This is based on people aged 16 or over and is mapped to the new acute model.

3.2 Gender

Gender is not evenly split with 56.07% female and 43.93% male. This ranged from SGH with highest proportion of women at 68.28% to GRI which had the lowest proportion of women at 51.40%.

3.3 Age

On average across all sites, 60.08% are aged 16-64, while 39.92% are over 65 yrs old, i.e. approx. 1 in every 4 day cases are over 65.

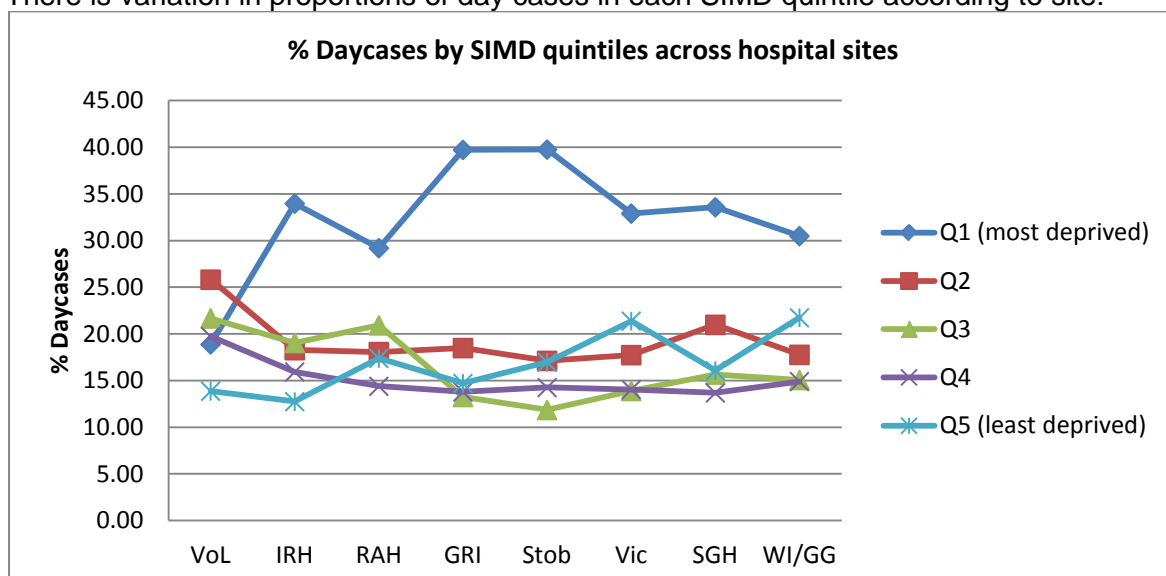
There was variation according to hospital site for age groups with:

- SGH has lowest proportion with 14.95%, about 2 in 20 being over 65
- Stobhill has second lowest percentage at 36.96% over 65
- Victoria and WI/GG have approximately 4 in 10 day cases over 65
- RAH 46.38% over 65
- VoL and IRH have the highest proportion with 48.52% and 48.74% respectively; that almost 5 in 10 day cases over 65.

3.4 Deprivation

In total 51.20% of day cases are from SIMD 1 & 2, that's 1 in every 2 day cases.

There is variation in proportions of day cases in each SIMD quintile according to site:



<u>Deprivation (%)</u>	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG	Total
Q1 (most deprived)	18.90	33.98	29.20	39.73	39.77	32.91	33.59	30.50	32.86
Q2	25.83	18.28	18.07	18.50	17.13	17.74	20.99	17.77	18.34
Q3	21.67	19.05	20.93	13.26	11.87	13.90	15.66	15.08	15.37
Q4	19.74	15.94	14.40	13.80	14.27	14.05	13.68	14.91	14.73
Q5 (least deprived)	13.87	12.75	17.39	14.71	16.97	21.39	16.08	21.74	18.70
Combined SIMD 1 & 2	44.72	52.26	47.27	58.23	56.89	50.65	54.57	48.27	51.20

- This ranges from 18.90% at VoL or almost 1 in 5 in SIMD 1 to 39.77% at Stobhill or about 2 in 5.
- For combined SIMD 1 & 2 this ranges from 44.72% at VoL to 58.23% at RAH (from 9 to 12 in every 20 day cases).
- For the least deprived quintile, SIMD 5, this ranges from 12.75% at IRH to 21.74% at WI/GG (from about 1 to 2 in 10).

3.5 Ethnicity

White background accounts for 96.39% of day cases, with minority ethnic groups averaging 3.61%. This equates to approx. 1 in every 28 day cases being from a minority ethnic group. Asian, Asian Scottish or Asian British is the highest minority ethnic group at 2.71%. or 1 in every 37 day cases.

There is variation according to site with Glasgow City hospitals having a higher proportion (almost quadruple at 3.62 on average) of non-white attendances than RAH, IRH & VoL:

- Glasgow city hospitals range from 3.52% at WI/GG to 6.05% at SGH (about 2 to 3 in every 50 day cases)
- Other sites range from 0.94% at IRH to 1.88% at RAH (from 1 to 2 in every 100 attendances).

3.6 Migration

Those identifying as from EU Accession countries equate to 0.62% across all sites; that's 1 in every 161 attendances (161.3). There is variation between Glasgow City hospitals having a higher proportion than sites out with Glasgow (RAH, IRH & VoL):

- Glasgow city hospitals range from 0.57% at WI/GG to 1.34% at SGH (Approximately 1 in 75 at SGH, the highest proportion)
- Other sites range from 0.24% at IRH to 0.46% at RAH (Approx. 1 in every 417 day cases, the lowest proportion).

1 in every 100 attendances is likely to be a person seeking asylum in this country.

3.7 English Language Skills

Those able to speak, read and write English account for a total of 93.24% day cases, almost 19 out of 20 (18.65). The remainder are identified using the following categories from the Census 2011:

<u>English Language Skills (%)</u>	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG	Total
<i>Understands but does not speak, read or write English</i>	3.51	3.54	3.10	3.74	3.66	3.85	2.18	3.74	3.59

<i>Speaks, reads and writes English</i>	93.6 0	93.4 9	94.1 2	92.8 9	93.0 5	92.7 1	95.3 2	93.06	93.2 4
Speaks but does not read or write English	1.62	1.70	1.49	1.81	1.75	1.86	1.27	1.72	1.71
<i>Speaks and reads but does not write English</i>	0.52	0.57	0.62	0.65	0.64	0.67	0.59	0.61	0.62
<i>Reads but does not speak or write English</i>	0.05	0.06	0.05	0.06	0.06	0.06	0.05	0.06	0.06
<i>Other combination of skills in English</i>	0.56	0.55	0.50	0.58	0.57	0.58	0.41	0.57	0.56
<i>No skills in English</i>	0.14	0.09	0.12	0.25	0.26	0.28	0.19	0.23	0.22
Total Does not speak English	3.70	3.69	3.27	4.06	3.99	4.19	2.42	4.04	3.87

The Census categories do not identify how many of those with no or limited English Language Skills have another first language and therefore would require an interpreter. Those with no or limited skills may require written information in other formats more suitable to their needs, e.g. translated to another language, Easy read/Plain English, or words and pictures to aid understanding.

Those that do not speak English are highlighted in grey in the table above and these figures give an indication of the number of attendances likely to require an interpreter. This group account for 3.87% of day cases across all sites, that's about 1 in every 26 day cases (25.84). There is variation in this figure according to site:

- SGH has the lowest percentage for this group at 2.42%; 1 in every 41 day cases (41.32)
- Victoria has the highest percentage for this group at 4.19%; 1 in 24 day cases (23.86)
- GRI has next highest percentage at 4.06% closely followed by WI/GG & Stobhill at 4.04% and 3.99% respectively.

Those that do not read English but report speaking English are highlighted in **bold** in the table and across all sites this averages 1.71%; about 1 in 58 day cases (58.48). There is variation across sites with Glasgow City hospital sites having a high proportion than those out with the city:

- 1.27% at SGH; 1 in 79 day cases (78.74)
- 1.86% at Victoria; 1 in 54 day cases (53.76).

3.8 Religion

Christian religions (Church of Scotland, Roman Catholic & Other Christian combined) account for 68.59% of day cases; around 2 in 3. Those with no religion account for 21.66% and religion not stated 6.89%.

There is variation in percentages of day cases likely to be from non-Christian religions, with Glasgow City hospital sites having higher proportion than RAH, IRH & VoL:

- % Muslim is highest of the non-Christian religions, averaging 1.53% in total; that's 1 in every 65 day cases.
 - This ranges from 1.49% at WI/GG to 2.49% at SGH (Glasgow city hospitals); about 1 in 40 at the highest proportion in SGH
 - Sites elsewhere range from 0.18% at IRH to 0.62% at RAH; about 1 in 556 at the lowest proportion in IRH.

- % Jewish averages at 0.35% in total however day cases from this group feature most around three hospital sites RAH (0.50%), SGH (0.34%) and Victoria (0.83%).
- % attendees from Hindu (0.26%), Buddhist (0.21%) and Sikh (0.29%) religions are more likely in Glasgow City hospitals.

3.9 Long Term Condition & Disability

Across all sites 19.51% day cases are likely to have a health condition which limits their day to day activities a lot, that's about 1 in 5. This ranges from 11.38% at SGH to 20.75% at Victoria.

Almost 1 in every 2 day cases are likely to have one or more long term health condition or disability (47.13%). This ranges from 32.34% at SGH to 50.73% at IRH. Figures are shown in the table below:

<i>Long-term Health Conditions (%)</i>	VoL	IRH	RAH	GRI	Stob	Vic	SGH	WI/GG	Total
<i>No condition</i>	49.73	49.27	52.25	52.65	53.48	51.99	67.66	52.16	52.87
<i>One or more conditions</i>	50.27	50.73	47.75	47.35	46.52	48.01	32.34	47.84	47.13
<i>Deafness or partial hearing loss</i>	16.03	16.69	14.97	13.42	12.37	13.19	6.26	12.67	13.10
<i>Blindness or partial sight loss</i>	5.46	5.23	5.03	4.72	4.25	4.64	2.16	4.26	4.46
<i>Learning disability</i>	0.39	0.43	0.42	0.50	0.49	0.50	0.50	0.48	0.48
<i>Learning difficulty</i>	1.10	1.19	1.17	1.33	1.24	1.25	1.80	1.18	1.24
<i>Developmental disorder</i>	0.16	0.16	0.18	0.21	0.19	0.18	0.25	0.17	0.18
<i>Physical disability</i>	14.47	13.63	13.08	13.66	13.12	13.85	7.50	13.60	13.26
<i>Mental health condition</i>	5.81	6.38	5.90	6.81	6.79	7.04	6.44	6.61	6.62
<i>Other condition</i>	32.06	32.01	30.27	30.28	30.23	30.91	20.42	31.41	30.43

- Deafness or partial hearing loss:
 - The lowest is 6.26% at SGH while other sites range from 12.37% at Stobhill to 16.69% at IRH; from about 2 to 3 in every 20 day cases.
 - More than half of people over 60 have some degree of hearing loss.
 - 1 in 6 people in Scotland are Deaf and hearing impaired. There are approximately 163,100 Deaf and hearing impaired people in the NHSGGC area. Of these 1250 use BSL and 440 are deafblind.
- Blindness of partial sight loss:
 - The lowest is 2.16% at SGH while other sites range from 4.25% at Stobhill to 5.46% at VoL; that's around 1 in every 20 day cases.
 - It is estimated that 1 in 8 people in the population has some degree of sight loss. Blind and partially sighted registration data is likely to underestimate the numbers of people living with significant sight loss. 90% of blind and partially sighted people are over 60 yrs old.
- Physical disability:
 - The lowest is at SGH at 7.50%, with other sites ranging from 13.08% at RAH to 14.47% at VoL; that's around 1 in 7 day cases.
- Mental Health condition:
 - Ranges from 5.81% at VoL to 7.04% at Victoria; from 1 in 17 (17.21) to 1 in 14 (14.20) day cases.

- Learning disability:
 - There is little variation across sites. The average is 0.48%, that's almost 1 in 200 attendances.
 - From 2012, the Learning Disability Local Enhanced Service register held approximately 5,400 adults with learning disabilities with GPs across NHSGGC.

3.10 LGBT

Approximately 6 in every 100 day cases are likely to be someone from the Lesbian, Gay, Bisexual or Transgender community.

4. Inpatients (based on Continuous Inpatient Spells)

4.1 Attendances

There were 197,216 continuous inpatient spells (CIS) in total across all hospital sites from 1st April 14 to 31st Mar 15. During this time 128,428 people were admitted as inpatients on one or more continuous inpatient spell and there were 308,620 episodes of care equating to 1,396,850 bed days. This is based on people aged 16 or over and is mapped to the new acute model.

This analysis will focus on continuous inpatient spells (n=197,216) which equate to almost 23 admissions on average every hour (22.58) across all hospital sites.

4.2 Gender

Gender is not evenly split with 55.68% female and 44.32% male. This ranged from WI/GG with the lowest proportion of women at 53.87% to Stobhill which had the highest proportion of women at 60.83%.

4.3 Age

On average across all sites, 33.57% are aged 16-64, while 66.43% are over 65 yrs old, i.e. approx. 2 in every 3 people admitted are over 65.

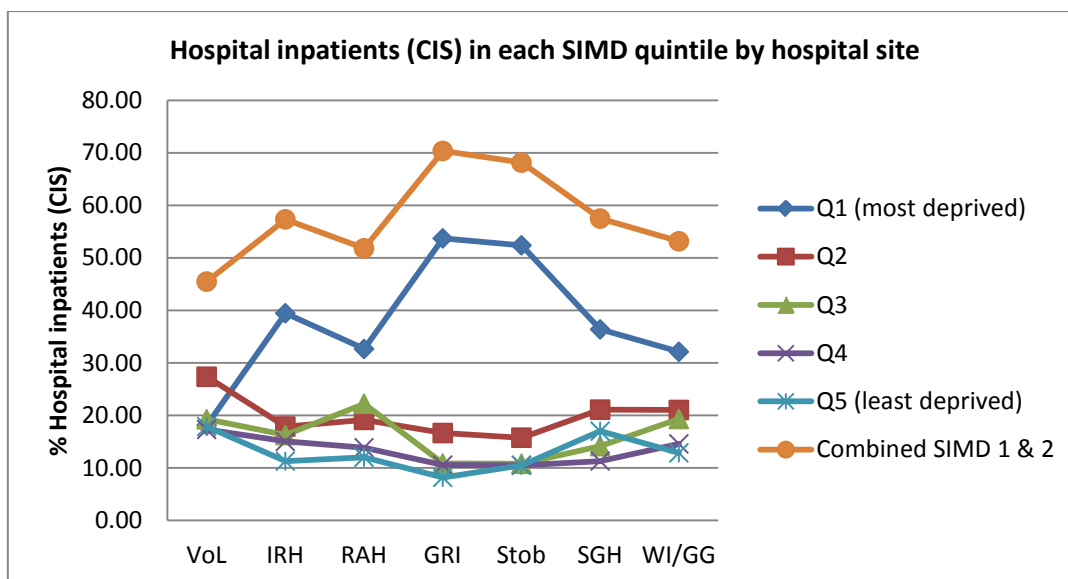
There was variation according to hospital site for age groups with:

- WI/GG has lowest proportion with 51.78%, about 1 in 2 being over 65
- GRI has second lowest percentage at 63.62% over 65, closely followed by SGH at 65.18%; about 2 in every 3 people admitted likely to be over 65
- RAH and IRH have approximately 7 in 10 people admitted over 65
- VoL has highest proportion with 87.75%; almost 9 in every 10 people admitted there being over 65.

4.4 Deprivation

In total 59.85% of hospital inpatients are from SIMD 1 & 2, that's 6 in every 10 admissions.

There is variation in proportions of hospital inpatients in each SIMD quintile according to site:



Deprivation (%)	VoL	IRH	RAH	GRI	Stob	SGH	WI/GG	Total
Q1 (most deprived)	18.13	39.48	32.67	53.74	52.41	36.40	32.14	40.37
Q2	27.38	17.89	19.16	16.65	15.77	21.11	21.04	19.48
Q3	19.28	16.27	22.24	10.85	10.80	14.16	19.34	14.80
Q4	17.33	15.06	13.89	10.55	10.52	11.33	14.60	11.96
Q5 (least deprived)	17.89	11.30	12.04	8.20	10.50	17.01	12.88	13.40
Combined SIMD 1 & 2	45.50	57.37	51.83	70.39	68.18	57.51	53.18	59.85

- For SIMD 1 hospital inpatients this ranges from 18.13% at VoL or almost 2 people in every 10 to 53.74% at GRI or about 5 in 10 people admitted as inpatients.
- For combined SIMD 1 & 2 this ranges from 45.50% at VoL to 70.39% at GRI (from 9 to 14 in every 20 people admitted).
- For the least deprived quintile, SIMD 5, this ranges from 8.20% at GRI to 17.89% at VoL (from about 1 to 2 in 10).

4.5 Ethnicity

White background accounts for 97.42% of hospital inpatients, with minority ethnic groups averaging 2.58%. This equates to approx. 1 in every 39 hospital inpatients being from a minority ethnic group. Asian, Asian Scottish or Asian British is the highest minority ethnic group at 1.98%. or about 1 in every 51 people admitted as inpatients.

There is variation according to site with Glasgow City hospitals having a higher proportion (almost double) of non-white attendances than RAH, IRH & VoL:

- Glasgow city hospitals range from 2.18% at WI/GG to 3.48% at GRI (about 1 to 2 in every 50 people)
- Other sites range from 0.51% at VoL to 1.12% at RAH (around 1 in every 100 people)

4.6 Migration

Those identifying as from EU Accession countries equate to 0.42% across all sites; that's 1 in every 238 attendances (238.1). There is variation between Glasgow City hospitals and RAH having a higher proportion than other sites (IRH & VoL):

- Glasgow city hospitals range from 0.24% at Stobhill to 0.51% at GRI (Approximately 1 in 200 at GRI, the highest proportion)
- RAH has 0.32%, or about 1 in every 300 people admitted as hospital inpatients
- VoL has 0.21% whilst IRH is lowest proportion at 0.18% (Approx. 1 in every 556 admissions, the lowest proportion)

1 in every 100 attendances is likely to be a person seeking asylum in this country.

4.7 English Language Skills

Those able to speak, read and write English account for a total of 90.88% hospital inpatients, approx. 9 out of 10. The remainder are identified using the following categories from the Census 2011:

English Language Skills (%)	VoL	IRH	RAH	GRI	Stob	SGH	W/G G	Total
<i>Understands but does not speak, read or write English</i>	5.17	4.55	4.18	5.12	5.76	4.97	4.08	4.86
	90.3	91.2	92.1	90.4	89.3	90.6		90.8
<i>Speaks, reads and writes English</i>	1	7	0	9	2	4	92.57	8
Speaks but does not read or write English	2.72	2.46	2.07	2.39	2.71	2.40	1.84	2.35
<i>Speaks and reads but does not write English</i>	0.63	0.85	0.78	0.77	0.83	0.81	0.62	0.79
<i>Reads but does not speak or write English</i>	0.09	0.07	0.06	0.08	0.09	0.08	0.06	0.08
<i>Other combination of skills in English</i>	0.89	0.68	0.67	0.77	0.88	0.76	0.61	0.74
<i>No skills in English</i>	0.19	0.12	0.15	0.38	0.42	0.34	0.21	0.30
Total does not speak English	5.45	4.74	4.39	5.57	6.26	5.39	4.35	5.23

The Census categories do not identify how many of those with no or limited English Language Skills have another first language and therefore would require an interpreter. Those with no or limited skills may require written information in other formats more suitable to their needs, e.g. translated to another language, Easy read/Plain English, or words and pictures to aid understanding.

Those that do not speak English are highlighted in grey in the table above and these figures give an indication of the number of attendances likely to require an interpreter. This group account for 5.23% of people admitted as inpatients across all sites, that's about 1 in every 20 people. There is variation in this figure according to site:

- W/GG has the lowest percentage for this group at 4.35%; about 2 in every 50 people
- Stobhill has the highest percentage for this group at 6.26%; about 3 in every 50 people
- GRI has next highest percentage at 5.57% closely followed by VoL & SGH at 5.45% and 5.39% respectively.

Those that do not read English but report speaking English are highlighted in **bold** in the table and across all sites this averages 2.35%; about 1 in 50 admissions. There is little variation across sites.

4.8 Religion

Christian religions (Church of Scotland, Roman Catholic & Other Christian combined) account for 73.33% of hospital inpatient admissions; about 7 in every 10 people. Those with no religion account for 16.38% and religion not stated 8.06%.

There is variation in percentages of hospital inpatients likely to be from non-Christian religions, with Glasgow City hospital sites having higher proportion than RAH, IRH & VoL:

- % Muslim is highest of the non-Christian religions, averaging 1.08% in total; that's 1 in every 100 inpatient admissions.
 - This ranges from 0.93% at WI/GG to 1.51% at GRI (Glasgow city hospitals); about 3 in every 200 admissions at the highest proportion in GRI
 - Sites elsewhere range from 0.08% at VoL to 0.34% at RAH; 1 in 1250 admissions at the lowest proportion in VoL.
- % Jewish averages at 0.43% in total with SGH and RAH having highest proportion (0.64% and 0.50% respectively). GRI, Stobhill and WI/GG all feature around 0.2%.
- % attendees from Hindu (0.17%), Buddhist (0.16%) and Sikh (0.23%) religions are more likely in Glasgow City hospitals.

4.9 Long Term Condition & Disability

Across all sites 30.96% hospital inpatients are likely to have a health condition which limits their day to day activities a lot, that's about 3 in every 10 people admitted as inpatients. This ranges from 22.63% at WI/GG (about 2 in 10) to 39.33% at Stobhill, about 4 in 10. Approximately 3 in every 5 hospital inpatient admissions are likely to have one or more long term health condition or disability (61.38%). This ranges from 52.99% at WI/GG to 71.29% at VoL. Figures are shown in the table below:

<u>Long-term Health Conditions (%)</u>	VoL	IRH	RAH	GRI	Stob	SGH	WI/GG	Total
<i>No condition</i>	28.71	35.57	38.39	39.79	28.82	38.70	47.01	38.62
<i>One or more conditions</i>	71.29	64.43	61.61	60.21	71.18	61.30	52.99	61.38
<i>Deafness or partial hearing loss</i>	32.83	27.82	25.08	21.84	30.41	23.34	15.85	23.60
<i>Blindness or partial sight loss</i>	13.73	10.75	9.77	8.91	12.98	9.64	5.39	9.55
<i>Learning disability</i>	0.24	0.41	0.33	0.44	0.36	0.43	0.43	0.42
<i>Learning difficulty</i>	0.52	0.84	0.75	1.01	0.64	0.96	0.98	0.92
<i>Developmental disorder</i>	0.10	0.12	0.12	0.16	0.12	0.16	0.14	0.15
<i>Physical disability</i>	25.24	20.47	19.60	19.88	25.14	20.40	15.69	20.18
<i>Mental health condition</i>	6.99	7.33	6.69	7.36	7.45	7.49	6.12	7.28
<i>Other condition</i>	41.16	37.35	37.08	37.10	42.20	37.15	34.56	37.21

- Deafness or partial hearing loss:
 - The lowest is 15.85% at WI/GG while other sites range from 21.84% at GRI to 32.83% at VoL; from about 2 to 3 in every 10 hospital inpatients.
 - More than half of people over 60 have some degree of hearing loss.
 - 1 in 6 people in Scotland are Deaf and hearing impaired. There are approximately 163,100 Deaf and hearing impaired people in the NHSGGC area. Of these 1250 use BSL and 440 are deafblind.
- Blindness of partial sight loss:
 - The lowest is 5.39% at WI/GG while other sites range from 8.91% at GRI to 13.73% at VoL; that's around 1 in every 10 people admitted as inpatients.

- It is estimated that 1 in 8 people in the population has some degree of sight loss. Blind and partially sighted registration data is likely to underestimate the numbers of people living with significant sight loss. 90% of blind and partially sighted people are over 60 yrs old.
- Physical disability:
 - The lowest is at WI/GG at 15.69%, with other sites ranging from 19.60% at RAH to 25.24% at VoL; that's 1 in every 4 inpatient admissions at VoL.
- Mental Health condition:
 - Ranges from 6.12% at WI/GG to 7.49 at SGH; that's around 1 in 20 people admitted as inpatients.
- Learning disability:
 - There is little variation across sites. The average is 0.42%, that's almost 1 in 200 inpatients.
 - From 2012, the Learning Disability Local Enhanced Service register held approximately 5,400 adults with learning disabilities with GPs across NHSGGC.

4.10 LGBT

Approximately 6 in every 100 people admitted as inpatients is likely to be someone from the Lesbian, Gay, Bisexual or Transgender community.

Appendices

1. Notes on the analysis:



Notes re Vulnerable Populations Analysis.:

2. Data Tables:

a) A&E and MIU



4) 2014-15 A&E -
Figures (DC) SEND.xl:

b) Outpatients



4) 2014-15
Outpatients - Figures

c) Daycases



4) 2014-15 Daycases
- Figures (DC) SEND.:

d) Inpatients

i. Patients



4) 2014-15
Inpatients - Figures a

ii. Continuous Inpatient Spells



4) 2014-15
Inpatients - Figures b

iii. Episodes



4) 2014-15
Inpatients - Figures c

iv. Bed Days



4) 2014-15
Inpatients - Figures d