

# Community Children’s and Children’s Specialist Nurses, Clinical Nurse Specialists and Community Nursing sampling protocol

17<sup>th</sup> July 2024

## Probability sampling

The sampling for Community Nursing (CN) was prioritised as roster, board and speciality. For Community Children’s and Children’s Specialist Nurse (CCSN) and Clinical Nurse Specialists (CNS) the sampling order was roster and board.

Dr Keith Hurst recommends a sample size of 33 areas is required to ensure representativeness of the entire service. A sample size of 33 (+ 10% margin to allow for unforeseen circumstances and problems that may arise) was set for each of the three 3Cs samples.

The following shows the probability sampling conducted for each specialty. It shows the Total Sample (number of rosters that met the 70% Quality Tool score threshold) and the Probability sample (the number of rosters per board needed to be representative). It also shows the proportion of both total and probability sample.

### CCSN

Board	n(Total sample)	n(Probability sample)	prop(Total sample)	prop(Probability sample)
Grampian	1	1	0.0243902	0.0277778
D&G	2	2	0.0487805	0.0555556
Lanarkshire	2	2	0.0487805	0.0555556
Highland	4	4	0.0975610	0.1111111
Tayside	4	4	0.0975610	0.1111111
Lothian	5	5	0.1219512	0.1388889
A&A	6	4	0.1463415	0.1111111
Fife	6	5	0.1463415	0.1388889
GG&C	11	9	0.2682927	0.2500000

  

Board Size	n(Total sample)	n(Probability sample)	prop(Total sample)	prop(Probability sample)
Small	2	2	0.0487805	0.0555556
Large	19	17	0.4634146	0.4722222
Medium	20	17	0.4878049	0.4722222

## CNS

Board	n(Total sample)	n(Probability sample)	prop(Total sample)	prop(Probability sample)
Western Isles	3	2	0.0092308	0.0555556
D&G	7	2	0.0215385	0.0555556
Orkney	7	2	0.0215385	0.0555556
Borders	18	5	0.0553846	0.1388889
Highland	21	2	0.0646154	0.0555556
Lanarkshire	25	3	0.0769231	0.0833333
Forth Valley	28	2	0.0861538	0.0555556
A&A	29	3	0.0892308	0.0833333
Tayside	30	3	0.0923077	0.0833333
Fife	37	3	0.1138462	0.0833333
Grampian	46	5	0.1415385	0.1388889
GG&C	74	4	0.2276923	0.1111111

Board Size	n(Total sample)	n(Probability sample)	prop(Total sample)	prop(Probability sample)
Small	35	11	0.1076923	0.3055556
Large	145	12	0.4461538	0.3333333
Medium	145	13	0.4461538	0.3611111

## CN

Board	n(Total sample)	n(Probability sample)	prop(Total sample)	prop(Probability sample)
Orkney	2	2	0.0060060	0.0185185
Western Isles	5	5	0.0150150	0.0462963
Shetland	6	6	0.0180180	0.0555556
Borders	11	11	0.0330330	0.1018519
Lothian	14	6	0.0420420	0.0555556
D&G	17	9	0.0510511	0.0833333
A&A	19	6	0.0570571	0.0555556
Forth Valley	19	6	0.0570571	0.0555556
Lanarkshire	27	6	0.0810811	0.0555556
Tayside	27	6	0.0810811	0.0555556
Fife	28	6	0.0840841	0.0555556
Highland	28	9	0.0840841	0.0833333
Grampian	38	9	0.1141141	0.0833333
GG&C	92	21	0.2762763	0.1944444

Board Size	n(Total sample)	n(Probability sample)	prop(Total sample)	prop(Probability sample)
Small	41	33	0.1231231	0.3055556
Medium	121	33	0.3633634	0.3055556
Large	171	42	0.5135135	0.3888889

Specialty	n(Total sample)	n(Probability sample)	prop(Total sample)	prop(Probability sample)
School Nursing	32	26	0.0960961	0.2407407
Health Visiting	100	28	0.3003003	0.2592593
District Nursing	201	54	0.6036036	0.5000000