

## Appendix A – descriptive information and predicted probabilities

**Table A1: Description of all included care services regulated by the Care Inspectorate (as defined by the CI)**

Service type	Definition
Care Home Service:	A service which provides accommodation, together with nursing, personal care or personal support, for persons by reason of their vulnerability or need this may include for: alcohol & drug misuse, blood borne virus, children & young people, learning disabilities, mental health problems, older people, physical & sensory impairment or respite care & short breaks.
Child Care Agency:	A service which consists of or includes supplying, or introducing to persons who use the service, child carers up to the age of 16, wholly or mainly in the home of the child's parents.
Day Care of Children:	A service which consists of any form of care on a non-domestic premises, supervised by a responsible person during the day for at least two hours a day on at least six days per year. The service definition includes nursery classes, creches, after school clubs and playgroups but does not include services which are provided as part of a school activity. Nor does it include activities where care is not provided such as sports clubs or uniformed activities such as Scouts or Guides.
Housing Support Service:	A service which provides support, assistance, advice or counselling to a person who has particular needs, with a view to enabling that person to occupy residential accommodation as a sole or main residence.
School Care Accommodation Service:	A service which is provided to a pupil by an education authority or the managers of an independent or grant-aided school for the purpose of the pupil being in attendance at a public, independent or grant-aided school; and which consists of the provision, in a place in or outwith the school, of residential accommodation. This may be take the form of mainstream residential accommodation, residential special accommodation or school hostel accommodation.
Secure Accommodation Service:	A service which provides accommodation for the purpose of restricting the liberty of children in residential premises where care services are provided as with regulations made under section 29(9)(a) of the Regulation of Care (Scotland) Act 2001. This may be to provide protection to the child who may have history of running away and whose health or wellbeing may subsequently be under threat.
Support Service:	A personal care or personal support service provided by arrangement made by a local authority or health body to a vulnerable or person in need. This does not include a care home service, a service providing overnight accommodation, adoption service, or fostering service.

**Table A2: Distribution of included care services over sector**

	For-profit sector	Public sector	Third sector	Total
Care Home Service	805	256	342	1,403
Child Care Agency	14	1	10	25
Day Care of Children	1,138	1,723	821	3,682
Housing Support service	227	180	654	1,061
School Care Accommodation services	20	7	36	63
Secure Accommodation service	1	1	3	5
Support Service	433	335	683	1,451

**Table A3: Predicted probabilities over 3 levels of quality after generalised ordered logistic regression.**

<b>Quality of care and support (n=7,011)</b>	<b>Low quality</b>	<b>Adequate quality</b>	<b>High quality</b>
For-profit sector	0.0153	0.4011	0.5836
95% confidence interval	0.0093 to 0.0213	0.3747 to 0.4275	0.5573 to 0.6099
Public sector	0.0045	0.3034	0.692
95% confidence interval	0.001 to 0.0081	0.28 to 0.3268	0.6686 to 0.7155
Third sector	0.0102	0.322	0.6678
95% confidence interval	0.0047 to 0.0156	0.298 to 0.3461	0.6438 to 0.6918
<b>Quality of staff (n=7,007)</b>			
For-profit sector	0.0169	0.4569	0.5262
95% confidence interval	0.0107 to 0.0231	0.4296 to 0.4842	0.4989 to 0.5535
Public sector	0.0038	0.3319	0.6643
95% confidence interval	0.0005 to 0.0071	0.3074 to 0.3563	0.6398 to 0.6888
Third sector	0.0121	0.3826	0.6053
95% confidence interval	0.0062 to 0.018	0.3576 to 0.4076	0.5803 to 0.6303
<b>Quality of management (n=7,004)</b>			
For-profit sector	0.0259	0.5144	0.4597
95% confidence interval	0.0182 to 0.0336	0.4867 to 0.5421	0.4321 to 0.4873
Public sector	0.0066	0.4212	0.5722
95% confidence interval	0.0023 to 0.0108	0.3958 to 0.4467	0.5468 to 0.5976
Third sector	0.0185	0.4443	0.5372
95% confidence interval	0.0114 to 0.0256	0.4186 to 0.4699	0.5116 to 0.5627
<b>Quality of environment (n=5,099)</b>			
For-profit sector	0.0087	0.476	0.5153
95% confidence interval	0.0041 to 0.0134	0.4437 to 0.5083	0.4829 to 0.5476
Public sector	0.0053	0.3698	0.6248
95% confidence interval	0.0004 to 0.0102	0.3432 to 0.3964	0.5983 to 0.6514
Third sector	0.0093	0.4425	0.5482
95% confidence interval	0.0022 to 0.0165	0.4085 to 0.4765	0.5143 to 0.582
<b>Risk of services (n=6,891)</b>			
	<b>Low risk</b>	<b>Medium risk</b>	<b>High risk</b>
For-profit sector	0.7991	0.1319	0.069
95% confidence interval	0.7793 to 0.8188	0.1146 to 0.1493	0.0569 to 0.081
Public sector	0.911	0.069	0.02
95% confidence interval	0.8955 to 0.9265	0.0549 to 0.0831	0.012 to 0.028
Third sector	0.8703	0.0847	0.0451
95% confidence interval	0.8543 to 0.8862	0.0708 to 0.0985	0.0345 to 0.0556

**Table A4: Predicted probabilities of being issued complaints/inspection-requirements.**

<b>Complaints</b>	Predicted probability	95 % CI	ORs	95 % CI
For-profit	0.2345	0.2128 to 0.2562	Reference group	
Public sector	0.0639	0.0513 to 0.0765	.1827634***	.1457376 to .2291957
Third sector	0.095	0.0806 to 0.1094	.2957996***	.2432594 to .3596876

  

<b>Requirements</b>	Predicted probability	95 % CI	ORs	95 % CI
For-profit	0.2667	0.2431 to 0.2902	Reference group	
Public sector	0.1618	0.1413 to 0.1823	.4935881***	.4117321 to .5917178
Third sector	0.2105	0.1886 to 0.2323	.7069104***	.5971361 to .8368649

**Table A5:** Cross tabulation of the four biggest service types across all quality and risk domains.

<u>Care home services</u>				
<b>Quality of care (n=1,327)</b>	For-profit sector	Public sector	Third sector	Total
Poor quality	23 3.1%	4 1.6%	4 1.19%	31 2.34%
Adequate quality	371 50.07%	95 38%	99 29.46%	565 42.58%
High quality	347 46.83%	151 60.4%	233 69.35%	731 55.09%
<b>Quality of staff (n=1,326)</b>				
Poor quality	20 2.7%	3 1.2%	6 1.79%	29 2.19%
Adequate quality	397 53.65%	98 39.2%	104 30.95%	599 45.17%
High quality	323 43.65%	149 59.6%	226 67.26%	698 52.64%
<b>Quality of management (n=1,327)</b>				
Poor quality	30 4.05%	4 1.6%	6 1.79%	40 3.01%
Adequate quality	397 53.58%	113 45.2%	129 38.39%	639 48.15
High quality	314 42.38%	133 53.2%	201 59.82%	648 48.83
<b>Quality of environment (n=1,326)</b>				
Poor quality	17 2.3%	1 0.4%	4 1.19%	22 1.66%
Adequate quality	424 57.3%	103 41.2%	102 30.36%	629 47.44%
High quality	299 40.41%	146 58.4%	230 68.45%	675 50.9%
<b>Risk of services (n=1,391)</b>				
Low risk	490 61.71%	207 81.18%	280 81.87%	977 70.24%
Medium risk	157 19.77%	35 13.73%	34 9.94%	226 16.25%
High risk	147 18.51%	13 5.1%	28 8.19%	188 13.52%
<u>Day Care of Children</u>				
<b>Quality of care (n=3,568)</b>	For-profit sector	Public sector	Third sector	Total
Poor quality	13 1.23%	4 0.24%	10 1.24%	27 0.76%
Adequate quality	494 46.6%	445 26.15%	311 38.59%	1,250 35.03%
High quality	553 52.17%	1,253 73.62%	485 60.17%	2,291 64.21%
<b>Quality of staff (n=3,567)</b>				
Poor quality	20 1.89%	3 0.18%	11 1.36%	34 0.95%

Adequate quality	529 49.91%	463 27.22%	381 47.27%	1,373 38.49%
High quality	511 48.21%	1,235 72.6%	414 51.36%	2,160 60.56%
<b>Quality of management (n=3,567)</b>				
Poor quality	32 3.02%	5 0.29%	22 2.73%	59 1.65%
Adequate quality	590 55.66%	662 38.92%	445 55.21%	1,697 47.57%
High quality	438 41.32%	1,034 60.79%	339 42.06%	1,811 50.77%
<b>Quality of environment (n=3,568)</b>				
Poor quality	8 0.75%	6 0.35%	6 0.74%	20 0.56%
Adequate quality	511 48.21%	588 34.55%	385 47.77%	1,484 41.59%
High quality	541 51.04%	1,108 65.1%	415 51.49%	2,064 57.85%
<b>Risk of services (n=3,678)</b>				
Low risk	981 86.51%	1,683 97.68%	736 89.65%	3,400 92.44%
Medium risk	106 9.35%	32 1.86%	60 7.31%	198 5.38%
High risk	47 4.14%	8 0.46%	25 3.05%	80 2.18%
<b>Housing Support Services</b>				
<b>Quality of care (n=996)</b>	<b>For-profit sector</b>	<b>Public sector</b>	<b>Third sector</b>	<b>Total</b>
Poor quality	6 3.02%	1 0.58%	2 0.32%	9 0.9%
Adequate quality	73 36.68%	57 33.33%	136 21.73%	266 26.71%
High quality	120 60.3%	113 66.08%	488 77.96%	721 72.39%
<b>Quality of staff (n=995)</b>				
Poor quality	5 2.51%	1 0.58%	4 0.64%	10 1.01%
Adequate quality	89 44.72%	68 39.77%	172 27.52%	329 33.07%
High quality	105 52.76%	102 59.65%	449 71.84%	656 65.93%
<b>Quality of management (n=993)</b>				
Poor quality	7 3.52%	1 0.58%	3 0.48%	11 1.11%
Adequate quality	106 53.27%	81 47.37%	206 33.07%	393 39.58%

High quality	86 43.22%	89 52.05%	414 66.45%	589 59.32%
<b>Quality of environment (no observations)</b>				
<b>Risk of services (n=1,057)</b>				
Low risk	165 73.33%	143 79.44%	565 86.66%	873 82.59%
Medium risk	38 16.89%	31 17.22%	64 9.82%	133 12.58%
High risk	22 9.78%	6 3.33%	23 3.53%	51 4.82%
<u>Support services</u>				
<b>Quality of care (n=1,334)</b>	<b>For-profit sector</b>	<b>Public sector</b>	<b>Third sector</b>	<b>Total</b>
Poor quality	8 2.12%	1 0.31%	3 0.47%	12 0.9%
Adequate quality	160 42.44%	104 32.1%	149 23.54%	413 30.96%
High quality	209 55.44%	219 67.59%	481 75.99%	909 68.14%
<b>Quality of staff (n=1,333)</b>				
Poor quality	9 2.39%	1 0.31%	4 0.63%	14 1.05%
Adequate quality	201 53.32%	122 37.65%	199 31.49%	522 39.16%
High quality	167 44.3%	201 62.04%	429 67.88%	797 59.79%
<b>Quality of management (n= 1,331)</b>				
Poor quality	12 3.19%	4 1.23%	6 0.95%	22 1.65%
Adequate quality	214 56.91%	147 45.37%	226 35.82%	587 44.1%
High quality	150 39.89%	173 53.4%	399 63.23%	722 54.24%
<b>Quality of environment (n=437)</b>				
Poor quality	0 0	0 0	1 0.59%	1 0.23%
Adequate quality	33 58.93%	66 31.13%	49 28.99%	148 33.87
High quality	23 41.07%	146 68.87%	119 70.41%	288 65.9%
<b>Risk of services (n=1,448)</b>				
Low risk	318 73.61%	287 85.67%	591 86.78%	1,196 82.6%
Medium risk	74 17.13%	39 11.64%	66 9.69%	179 12.36%
High risk	40 9.26%	9 2.69%	24 3.52%	73 5.04%

