

Appendix Table 1 Sociodemographic and Clinical Characteristics of PCHL

Variable	UNHS status		Age of confirmation of PCHL	
	Not screened (n=38)	Screened (n=35)	≤ 9 months (n=34)	> 9 months (n=39)
Mean age (SD) in years	17.3 (1)	16.7 (2)	16.7 (2)	17.3 (1)
	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>
<b>Mode of communication</b>				
Female	19 (50)	16 (46)	16 (47)	19 (49)
English	18 (47)	23 (66)	21 (62)	20 (51)
Spoken language not English	1 (3)	1 (3)	0	2 (5)
Nonverbal gesture	0	1 (3)	1 (3)	0
More than one mode	19 (50)	10 (29)	12 (35)	17 (44)
<b>English main language at home</b>	30 (79)	34 (97)	33 (97)	31 (80)
<b>Mother's educational qualifications</b>				
No qualifications	4 (10)	3 (9)	2 (6)	5 (13)
<5 O-level examinations	2 (5)	7 (20)	6 (18)	3 (8)
≥5 O-level examinations	12 (32)	12 (34)	12 (35)	12 (31)
Some A-level examinations	7 (18)	7 (20)	5 (15)	9 (23)
≥University degree	13 (34)	6 (17)	9 (26)	10 (26)
<b>Social class</b>				
Higher occupations	21 (55)	15 (43)	18 (53)	18 (46)
Intermediate occupations	9 (24)	9 (26)	9 (26)	9 (23)
Lower occupations	4 (10)	5 (14)	5 (15)	4 (10)
Never worked and LT unemployment	4 (10)	6 (17)	2 (6)	8 (20)
<b>Severity of Loss</b>				
Moderate	14 (37)	18 (51)	16 (47)	16 (41)
Severe	10 (26)	8 (23)	6 (18)	12 (31)
Profound	14 (37)	9 (26)	12 (35)	11 (28)
<b>Family Income</b>				
<10k	0	6 (17)	1 (3)	5 (13)
10-20k	10 (29)	5 (14)	8 (23)	7 (18)
21-30k	6 (16)	2 (6)	4 (12)	4 (10)
31-40k	7 (18)	6 (17)	5 (15)	8 (20)
41-50k	2 (5)	4 (11)	5 (15)	1 (3)
>50k	9 (24)	11 (31)	10 (29)	10 (26)
Missing	4 (10)	1 (3)	1 (3)	4 (10)
<b>Additional Medical Conditions</b>	7 (18)	5 (14)	7 (21)	5 (13)
<b>Hearing Aids</b>				
No aid	6 (16)	10 (29)	10 (29)	6 (15)
One aid	4 (10)	4 (11)	3 (8.8)	5 (13)
Two aids	28 (74)	21 (60)	21 (62)	28 (72)
<b>Number of Cochlear Implant(s)</b>				
None	30 (79)	29 (83)	27 (79)	32 (82)
One implant	4 (10)	5 (14)	5 (15)	4 (10)
Two implants	4 (10.5)	1 (2.9)	2 (5.9)	3 (7.7)

PCHL= Bilateral permanent childhood hearing loss ≥40 dB



**Appendix Table 2 Annual mean costs by cost category and early confirmation of PCHL (concl)**

Cost Domain	Children With PCHL								HCG (n=37)		Mean Diff PCHL vs HCG (Bootstrap SE)	95% Confidence interval		
	Moderate (n=32)		Severe (n=18)		Profound (n=23)		All PCHL (n=73)		Mean	(SD)				
	Mean	(SD)	Mean	(SD)	Mean	(SD)	Mean	(SD)						
<b>Equipment &amp; home adaptations</b>	<b>129.51</b>	<b>(220.89)</b>	<b>200.33</b>	<b>(238.68)</b>	<b>63.48</b>	<b>(122.87)</b>	<b>126.17</b>	<b>(204.22)</b>	-		<b>126.17</b>	<b>(22.49)</b>	<b>82.10</b>	<b>170.24</b>
≤ 9 months	105.06	(265.40)	402.67	(261.65)	107.50	(152.93)	158.44	(251.71)						
> 9 months	153.96	(170.67)	99.17	(153.06)	15.45	(51.26)	98.03	(149.20)						
<b>Educational Services</b>	<b>9,250.30</b>	<b>(7,817.55)</b>	<b>9,743.14</b>	<b>(9,356.48)</b>	<b>17,752.05</b>	<b>(10,077.91)</b>	<b>12,082.50</b>	<b>(9,655.09)</b>	<b>5,330.24</b>	<b>(1,690.63)</b>	<b>6,752.26</b>	<b>(1117.46)</b>	<b>4562.08</b>	<b>8942.44</b>
≤ 9 months	9,253.24	(6,890.10)	11,628.04	(11,054.43)	18,886.95	(9,242.69)	13,072.46	(9,397.63)						
> 9 months	9,247.35	(8,878.56)	8,715.01	(8,699.15)	16,513.98	(11,235.64)	11,196.75	(9,920.14)						
<b>Lost productivity</b>	<b>16.88</b>	<b>(59.48)</b>	-		<b>82.61</b>	<b>(315.73)</b>	<b>33.42</b>	<b>(182.09)</b>	<b>12.97</b>	<b>(78.91)</b>	<b>20.45</b>	<b>(24.39)</b>	<b>-27.35</b>	<b>68.25</b>
≤ 9 months	15.00	(40.99)			33.33	(88.76)	18.82	(59.48)						
> 9 months	18.75	(75.00)			136.36	(452.27)	46.15	(243.71)						
<b>Other household</b>	<b>521.25</b>	<b>(2,040.87)</b>	<b>461.22</b>	<b>(912.33)</b>	<b>710.09</b>	<b>(1,289.46)</b>	<b>565.95</b>	<b>(1,583.72)</b>	<b>38.92</b>	<b>(236.73)</b>	<b>527.03</b>	<b>(153.73)</b>	<b>225.72</b>	<b>828.34</b>
≤ 9 months	816.00	(2,876.55)	902.00	(1,448.50)	675.00	(1,308.33)	781.41	(2,158.00)						
> 9 months	226.50	(384.80)	240.83	(416.75)	748.36	(1,331.16)	378.10	(793.94)						
<b>Total costs excluding Education</b>	<b>2,548.77</b>	<b>(4,914.31)</b>	<b>3,286.65</b>	<b>(5,160.29)</b>	<b>6,568.22</b>	<b>(8,890.53)</b>	<b>3,997.12</b>	<b>(6,633.79)</b>	<b>696.88</b>	<b>(674.54)</b>	<b>3,300.24</b>	<b>(644.21)</b>	<b>2037.62</b>	<b>4562.86</b>
≤ 9 months	3,536.99	(6,826.23)	6,237.77	(8,081.53)	4,491.30	(6,058.40)	4,350.41	(6,654.83)						
> 9 months	1,560.56	(1,109.08)	1,811.09	(2,083.45)	8,833.95	(11,076.71)	3,689.11	(6,686.81)						
<b>Total Costs Including Education</b>	<b>11,799.07</b>	<b>(10,186.17)</b>	<b>12,488.50</b>	<b>(13,179.43)</b>	<b>24,320.28</b>	<b>(16,381.95)</b>	<b>15,914.10</b>	<b>(14,167.56)</b>	<b>5,883.05</b>	<b>(2,075.50)</b>	<b>10,031.05</b>	<b>(1,822.27)</b>	<b>6459.47</b>	<b>13602.62</b>
≤ 9 months	12,790.23	(11,074.28)	17,865.81	(18,304.72)	23,378.26	(9,885.65)	17,422.87	(12,744.64)						
> 9 months	10,807.90	(9,470.89)	9,799.85	(9,616.75)	25,347.93	(21,924.54)	14,598.77	(15,344.21)						

PCHL = permanent childhood hearing loss ≥40 dB; HCG = Hearing Comparison Group; Diff = Difference; CI = confidence interval SD = standard deviation; SE = standard error.

