## Appendix 1: Table of categories included in neurodevelopmental disorders

<table>
<thead>
<tr>
<th>Category</th>
<th>Starship Guidelines/Starship Developmental Paediatricians Input*</th>
<th>DSM5†</th>
<th>ICD10‡</th>
<th>ICD11§</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Intellectual Disabilities</strong></td>
<td>Global developmental delay</td>
<td>Global Developmental Delay</td>
<td>Global Developmental Delay</td>
<td>Mild, Moderate, Severe, profound, other and unspecified intellectual disabilities</td>
</tr>
<tr>
<td>Intellectual disability</td>
<td>Unspecified Intellectual Disability</td>
<td>Specific reading disorder</td>
<td>Specific disorder of arithmetical skills</td>
<td>Developmental learning disorder with impairment in reading</td>
</tr>
<tr>
<td>Learning Difficulties</td>
<td>Significant learning difficulties</td>
<td>Impairment in reading</td>
<td>Specific disorder of arithmetical skills</td>
<td>Developmental learning disorder with impairment in mathematics</td>
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<tr>
<td></td>
<td>Impairment in mathematics</td>
<td>Specific spelling disorder</td>
<td>Specific spelling disorder</td>
<td>Specific spelling disorder</td>
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<tr>
<td></td>
<td>Mixed disorders/Other developmental disorders of scholastic skills.</td>
<td>Developmental learning disorder with other specified/unspecified impairment of learning</td>
<td>Developmental learning disorder with other specified/unspecified impairment of learning</td>
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<tr>
<td></td>
<td>Impairment in written expression</td>
<td>Developmental learning disorder with impairment in written expression</td>
<td>Developmental learning disorder with impairment in written expression</td>
<td>Developmental learning disorder with impairment in written expression</td>
</tr>
<tr>
<td><strong>Autism Spectrum Disorder</strong></td>
<td>Autism and Autism spectrum disorders</td>
<td>Autism spectrum disorder</td>
<td>Autistic disorder</td>
<td>Autism spectrum disorder with/without disorder of intellectual development with/without impaired functional language</td>
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<tr>
<td></td>
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<td></td>
<td>Atypical autism</td>
<td>Atypical autism</td>
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<td></td>
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<td>Asperger’s syndrome</td>
<td>Asperger’s syndrome</td>
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<td>Other specific/unspecified autism spectrum disorder</td>
<td>Other specified/unspecified autism spectrum disorder</td>
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<tr>
<td>Fetal Alcohol Spectrum Disorder</td>
<td>Fetal alcohol syndrome disorder</td>
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<tr>
<td>Disorders of the nervous system</td>
<td>Cerebral Palsy</td>
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<tr>
<td>Chromosomal disorders/Syndromal disorders/Genetic conditions</td>
<td>Down’s Syndrome</td>
<td>Rett’s Syndrome</td>
<td>Rett’s Syndrome</td>
<td>Rett’s Syndrome</td>
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<td></td>
<td>Rett’s Syndrome</td>
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<td></td>
<td>Angelman Syndrome</td>
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<td></td>
<td>Prader Willi Syndrome</td>
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<tr>
<td>Acquired disability secondary to injury or illness</td>
<td>Meningitis</td>
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<td></td>
<td>Encephalitis</td>
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<tr>
<td>Communication disorders</td>
<td>Language Disorder</td>
<td>Specific speech articulation disorder, Expressive language disorder, Receptive language disorder, Landau-Kleffner, Mixed receptive-expressive language disorder</td>
<td></td>
<td>Developmental language disorder</td>
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<tr>
<td>Sensory conditions</td>
<td>Vision disorders</td>
<td>Hearing disorders</td>
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<tr>
<td>Motor disorders</td>
<td>Developmental Coordination Disorder</td>
<td>Developmental motor coordination disorder</td>
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<td></td>
<td>Stereotypic Movement Disorder</td>
<td>Stereotyped movement disorders with/without self-injury</td>
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<tr>
<td>Tic Disorders</td>
<td>Tourette's disorder</td>
<td>Tourette's syndrome</td>
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<tr>
<td></td>
<td>Persistent (Chronic) Motor or Vocal Tic Disorder</td>
<td>Chronic motor or phonic tic disorder</td>
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<tr>
<td></td>
<td>Chronic motor tic disorder</td>
<td>Chronic motor tic disorder</td>
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<td></td>
<td>Provisional Tic Disorder</td>
<td>Transient tic disorder</td>
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<td></td>
<td>Transient motor tics</td>
<td>Transient motor tics</td>
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<td></td>
<td>Other Specified Tic Disorder</td>
<td>Other specified primary tics or tic disorders</td>
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<td>Primary tics or tick disorders</td>
<td>Primary tics or tick disorders</td>
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<td>Unspecified Tic Disorder</td>
<td>Unspecified tic disorders</td>
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<tr>
<td>Behavioural disorders</td>
<td>ADHD (when in conjunction with significant learning disabilities)</td>
<td>Attention-Deficit/Hyperactivity Disorder</td>
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<tr>
<td></td>
<td>Attention-Deficit Hyperactivity disorders</td>
<td>Attention-Deficit Hyperactivity disorder predominantly hyperactive-impulsive/inattentive(combined presentation)</td>
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<td>Attention deficit hyperactivity disorder other specified/unspecified presentation</td>
<td>Attention deficit hyperactivity disorder other specified/unspecified presentation</td>
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<td></td>
<td>Conduct disorder confined to the family context</td>
<td>Conduct disorder confined to the family context</td>
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<td></td>
<td>Unsocialised/socialised conduct disorder</td>
<td>Unsocialised/socialised conduct disorder</td>
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<td></td>
<td>Emotional disorders with onset specific to childhood</td>
<td>Emotional disorders with onset specific to childhood</td>
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<td>Selective mutism</td>
<td>Selective mutism</td>
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<td>Oppositional defiant disorder</td>
<td>Oppositional defiant disorder</td>
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<td>Reactive attachment disorder</td>
<td>Reactive attachment disorder</td>
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<td></td>
<td>Disinhibited attachment disorder</td>
<td>Disinhibited attachment disorder</td>
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</tr>
</tbody>
</table>

Speech Sound Disorder (previously Phonological Disorder) Specific speech articulation disorder, phonological disorder Developmental speech sound disorder
Childhood-Onset Fluency Disorder (Stuttering) Child onset fluency disorder/stuttering (stammering)
Social (Pragmatic) Communication Disorder Social pragmatic communication disorder
Unspecified Communication Disorder Other/unspecified development disorders of speech and language Other/unspecified specified developmental speech or language disorders

Speech and language developmental delay due to hearing loss Secondary speech or language syndrome

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Supplemental material

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<table>
<thead>
<tr>
<th></th>
<th>Enuresis not known to substance or physiological condition</th>
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<tbody>
<tr>
<td></td>
<td>Encopresis not known to substance or physiological condition</td>
</tr>
<tr>
<td></td>
<td>Feeding disorders: rumination disorder, Pica of infancy and childhood</td>
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<tr>
<td></td>
<td>Stereotyped movement disorders</td>
</tr>
<tr>
<td></td>
<td>Cluttering</td>
</tr>
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<td></td>
<td>Other conduct/unspecified conduct/behavioural/emotional disorders</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td>Other neurodevelopmental disorders</td>
</tr>
</tbody>
</table>

*From Starship Developmental Paediatrics guidelines ([ADHB website](http://www.adhb.govt.nz)) and in consultation with Developmental Paediatricians within our research team, *DSM5 Table of contents, ICD10 codes* – Mental, Behavioural and Neurodevelopmental Disorders/Intellectual Disorders and Pervasive and Specific Developmental Disorders/Behavioural and emotional disorders with onset in childhood and adolescence, *ICD11 codes* – Neurodevelopmental Disorders. Ovid MeSH terms are in italics, relevant in bold, with parent MeSH named, and additional search strings are presented in grey text.
Appendix 2

**Published Literature**

**MEDLINE**

1. Transition to Adult Care/
2. Transitional Care/
3. "Continuity of Patient Care"
4. ((child or adolescen$ or young or youth$ or teen$ or pediatric or paediatric) adj3 (ready or readiness or transition$ or transfer$) adj3 (care or healthcare or health or service$ or system$ or plan or planning)).tw.
5. ((ready or readiness or transition$ or transfer$) adj3 adult$ adj3 (care or healthcare or health or service$ or system$ or plan or planning)).tw.
7. TRAQ.tw.
8. "health care transition services".tw.
9. HCTS.tw.
11. or/1-10
12. exp Neurodevelopmental Disorders/
13. exp Language Disorders/
14. exp Cognition Disorders/
15. exp Communication Disorders/
16. ((child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric) adj3 (communication or language or vision or verbal or speech or learning) adj3 (difficult$ or impair$ or disorder$ or disabilit$)).tw.
17. ((neurodevelopment$ or neurodisabili$ or learning or development$ or intellect$) adj2 disabilit$ adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
18. Disabled Children/
19. ((disab$ or handicap$) adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
20. (autis$ adj2 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
21. ((special or additional) adj2 needs adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
22. (cerebral adj1 palsy adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
23. (down$ adj1 syndrome adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
24. (adh or (attention adj2 deficit$)).tw.
25. (FASD or (fetal adj1 alcohol adj1 syndrome)).tw.
26. (conduct adj1 disorder$ adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
27. (global adj1 develop$ adj1 delay$ adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
28. exp Neurobehavioral Manifestations/
29. exp Neurologic Manifestations/
30. Nervous System Diseases/
31. exp Epilepsy/
32. (epilep$ adj2 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
33. exp Spinal Dysraphism/
34. (spina adj1 bifida adj2 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
35. (spinal adj1 dysraphism adj2 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
36. Hearing Loss, Sensorineural/
37. ((neurolog$ or cerebral cortical or sensory) adj2 hearing adj2 (impair$ or loss$)).tw.
38. ((neurolog$ or cerebral cortical or sensory) adj2 (vision or sight) adj2 (impair$ or loss$)).tw.
39. or/12-38
40. limit 39 to yr="1990 -Current

Embase
1. transition to adult care/
2. transitional care/
3. ((child or adolescen$ or young or youth$ or teen$ or pediatric or paediatric) adj3 (ready or readiness or transition$ or transfer$) adj3 (care or healthcare or health or service$ or system$ or plan or planning)).tw.
4. ((ready or readiness or transition$ or transfer$) adj3 adult$ adj3 (care or healthcare or health or service$ or system$ or plan or planning)).tw.
5. "Transition Readiness Assessment Questionnaire".tw.
6. TRAQ.tw.
7. "health care transition services".tw.
8. HCTS.tw.
10. or/1-9
11. developmental disorder/
12. developmental delay/
13. intellectual impairment/
14. learning disorder/
15. mental disease/
16. language disability/
17. cognitive disability/
18. communication disorder/
19. ((child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric) adj3 (communication or language or vision or verbal or speech or learning) adj3 (difficult$ or impair$ or disorder$ or disabilit$)).tw.
20. ((neurodevelopment$ or neurodisability$ or learning or development$ or intellect$) adj2 disabilit$ adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
21. handicapped child/
22. ((disab$ or handicap$) adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
23. (autis$ adj2 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
24. ((special or additional) adj2 needs adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
25. (cerebral adj1 palsy adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
26. (down$ adj1 syndrome adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
27. (adhd or (attention adj2 deficit$)).tw.
28. (FASD or (fetal adj1 alcohol adj1 syndrome)).tw.
29. (conduct adj1 disorder$ adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
30. (global adj1 develop$ adj1 delay$ adj3 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
31. behavior disorder/
32. neurologic disease/
33. epilepsy/
34. (epilep$ adj2 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
35. spinal dysraphism/
36. (spina adj1 bifida adj2 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
37. (spinal adj1 dysraphism adj2 (child$ or adolescen$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
38. perception deafness/
39. ((neurolog$ or cerebral cortical or sensory) adj2 hearing adj2 (impair$ or loss$)).tw.
40. ((neurolog$ or cerebral cortical or sensory) adj2 (vision or sight) adj2 (impair$ or loss$)).tw.
41. or/11-40
42. 10 and 41
43. limit 42 to yr="1990 -Current"

PsychInfo
1. pediatric to adult care transition.id.
2. healthcare transition.id.
3. care transition.id.
4. ((child or adolescen$ or young or youth$ or teen$ or pediatric or paediatric) adj3 (ready or readiness or transition$ or transfer$) adj3 (care or healthcare or health or service$ or system$ or plan or planning)).tw.
5. ((ready or readiness or transition$ or transfer$) adj3 adult$ adj3 (care or healthcare or health or service$ or system$ or plan or planning)).tw.
7. TRAQ.tw.
8. "health care transition services".tw.
9. HCTS.tw.
11. or/l-10
12. exp Neurodevelopmental Disorders/
13. exp Language Disorders/
14. Cognitive Impairment/
15. exp Communication Disorders/
16. ((child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric) adj3 (communication or language or vision or verbal or speech or learning) adj3 (difficult$ or impair$ or disorder$ or disabilit$)).tw.
17. ((neurodevelopment$ or neurodisabil$ or learning or development$ or intellect$) adj2 disabilit$ adj3 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
18. ((disab$ or handicap$) adj3 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
19. (autis$ adj2 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
20. ((special or additional) adj2 needs adj3 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
21. Cerebral Palsy/
22. (cerebral adj1 palsy adj3 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
23. (down$ adj1 syndrome adj3 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
24. (adhd or (attention adj2 deficit$)).tw.
25. (FASD or (fetal adj1 alcohol adj1 syndrome)).tw.
26. (conduct adj1 disorder$ adj3 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
27. (global adj1 develop$ adj1 delay$ adj3 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
28. Nervous System Disorders/
29. exp Epilepsy/
30. (epilep$ adj2 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
31. Spina Bifida/
32. (spina adj1 bifida adj2 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
33. (spinal adj1 dysraphism adj2 (child$ or adolescent$ or young or youth$ or teen$ or pediatric or paediatric)).tw.
34. Hearing Disorders/
35. ((neurolog$ or cerebral cortical or sensory) adj2 hearing adj2 (impair$ or loss$)).tw.
36. ((neurolog$ or cerebral cortical or sensory) adj2 (vision or sight) adj2 (impair$ or loss$)).tw.
37. or/12-36
38. 11 and 37
39. limit 38 to yr="1990 -Current