Subject: Neuropsychological Testing

DESCRIPTION:

Neuropsychological assessment is the normatively informed application of performance-based assessments of various cognitive skills. Typically, neuropsychological assessment is performed with a battery approach, which involves tests of a variety of cognitive ability areas, with more than one test per ability area. These ability areas include skills such as memory, attention, processing speed, reasoning, judgment, and problem-solving, spatial, and language functions. Neuropsychological tests are intrinsically performance-based. They are structured to require individuals to exercise their skills in the presence of an examiner/observer.

POSITION STATEMENT:

Neuropsychological testing meets the definition of medical necessity when performed for the evaluation of individuals with cognitive dysfunction due to injury or disease.

Medically necessary indications for neuropsychological testing include:

- Detection of neurologic disease based on quantitative assessment of neurocognitive abilities in conditions such as:
  - Head injuries (open or closed)
  - Anoxic injuries
  - Neurodegenerative disorders (e.g., AIDS dementia)
  - Brain tumor
  - Cerebrovascular disease
  - CNS infections (e.g., HIV, herpes encephalitis, Reyes)
  - Demyelinating disease (e.g., multiple sclerosis)
- Seizure disorder
- Congenital or developmental disorders (e.g., cerebral palsy)
- Extrapyramidal disease (e.g., Parkinson's disease, Huntington’s chorea)
- Chronic alcohol or drug abuse
- Metabolic encephalopathy
- Exposure to agents known to be associated with cerebral dysfunction (e.g., lead poisoning)

- Differentiation between psychogenic and neurogenic syndromes such as depression vs. dementia
- Delineation of the neurocognitive effects of central nervous system disorders
- Assessment of neurocognitive functions for the formulation of rehabilitation OR management strategies among individuals with neurologic disorders

Neuropsychological testing **meets the definition of medical necessity** for neurologically complicated cases of ADHD (e.g., post head trauma, seizures).

Neuropsychological testing **does not meet the definition of medical necessity** for uncomplicated cases of attention deficit disorder with or without hyperactivity (ADD / ADHD). ADD / ADHD is considered complicated when there is strong evidence of a possible underlying neurological disorder.

Neuropsychological testing **does not meet the definition of medical necessity** when performed for the following:

- Individuals with ongoing substance abuse problems, currently intoxicated at the time of the testing, or are less than 10 days post-detox
- Self-administered or self-scored inventories, or screening tests of cognitive function
- Educational purposes without a medical diagnosis

**BILLING/CODING INFORMATION:**

**CPT Coding:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>96116</td>
<td>Neurobehavioral status exam (clinical assessment of thinking, reasoning and judgment, [eg, acquired knowledge, attention, language, memory,</td>
</tr>
<tr>
<td></td>
<td>planning and problem solving, and visual spatial abilities]), by physician or other qualified health care professional, both face-to-face time</td>
</tr>
<tr>
<td></td>
<td>with the patient and time interpreting test results and preparing the report; first hour</td>
</tr>
<tr>
<td>96121</td>
<td>Neurobehavioral status exam (clinical assessment of thinking, reasoning and judgment, [eg, acquired knowledge, attention, language, memory, planning</td>
</tr>
<tr>
<td></td>
<td>and problem solving, and visual spatial abilities]), by physician or other qualified health care professional, both face-to-face time with the</td>
</tr>
<tr>
<td></td>
<td>patient and time interpreting test results and preparing the report; each additional hour (List separately in addition to code for primary procedure)</td>
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<tr>
<td>96132</td>
<td>Neuropsychological testing evaluation services by physician or other qualified health care professional, including integration of patient data,</td>
</tr>
<tr>
<td></td>
<td>interpretation of standardized test results &amp; clinical data, clinical decision making, treatment planning &amp; report, &amp; interactive feedback to the</td>
</tr>
<tr>
<td></td>
<td>patient, family member(s) or caregiver(s), when performed; first hour</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
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<tr>
<td>------</td>
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</tr>
<tr>
<td>96133</td>
<td>Neuropsychological testing evaluation services by physician or other qualified health care professional, including integration of patient data, interpretation of standardized test results &amp; clinical data, clinical decision making, treatment planning &amp; report, &amp; interactive feedback to the patient, family member(s) or caregiver(s), when performed; each additional hour (List separately in addition to code for primary procedure)</td>
</tr>
<tr>
<td>96136</td>
<td>Psychological or neuropsychological test administration and scoring by physician or other qualified health care professional, two or more tests, any method; first 30 minutes</td>
</tr>
<tr>
<td>96137</td>
<td>Psychological or neuropsychological test administration and scoring by physician or other qualified health care professional, two or more tests, any method; each additional 30 minutes (list separately in addition to code for primary procedure)</td>
</tr>
<tr>
<td>96138</td>
<td>Psychological or neuropsychological test administration and scoring by technician, two or more tests, any method; first 30 minutes</td>
</tr>
<tr>
<td>96139</td>
<td>Psychological or neuropsychological test administration and scoring by by technician, two or more tests, any method; each additional 30 minutes [List separately in addition to code for primary procedure]</td>
</tr>
<tr>
<td>96146</td>
<td>Psychological or neuropsychological test administration, with single automated, standardized instrument via electronic platform, with automated result only</td>
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</tbody>
</table>

**REIMBURSEMENT INFORMATION:**
Refer to section entitled [POSITION STATEMENT](#).

**PROGRAM EXCEPTIONS:**

**Federal Employee Program (FEP):** Follow FEP guidelines.

**State Account Organization (SAO):** Follow SAO guidelines.

**Medicare Advantage products:**

The following Local Coverage Determination (LCD) was reviewed on the last guideline reviewed date: Psychological and Neuropsychological Tests (L34520), located at fcso.com.

**DEFINITIONS:**

**Cognitive:** of, relating to, or being conscious; intellectual activity (as thinking, reasoning, remembering, imagining, or learning words).

**Cognitive therapy:** psychotherapy that emphasizes the substitution of desirable patterns of thinking for undesirable ones (e.g., for depression).

**Neurocognitive:** of relating to, or involving the central nervous system and cognitive abilities.

**Neurogenic:** originating in nervous tissue; induced, controlled, or modified by nervous factors; disordered because of abnormally altered neural relations.

**Pathognomonic:** distinctively characteristic of a particular disease or condition (i.e., when the patient's attitudes are pathognomonic of one of the classical psychoneuroses).
Psychogenic: originating in the mind or in mental or emotional conflict.

**RELATED GUIDELINES:**

None applicable.

**OTHER:**

None applicable.

**REFERENCES:**


15. Edebol H, Helldin L, Norlander T. Objective Measures of Behavior Manifestations in Adult ADHD and Differentiation from Participants with Bipolar II Disorder, Borderline Personality Disorder, Participants with Disconfirmed ADHD as Well as Normative Participants. Clinical Practice And Epidemiology In Mental Health, 8, 134-143.


17. First Coast Services Options, Inc. (FCSO). Local Coverage Determination (LCD): Psychological and Neuropsychological Tests (L34520) (10/01/15) (revised 07/01/20).

18. Florida Medicare Part B Local Coverage Determination. LCD for Therapy and Rehabilitation Services (L29289) (Retired 09/30/15).


27. HAYES Medical Technology Directory; Neuropsychological Assessment for Dementia (07/31/97; updated 02/24/03)

28. HAYES Medical Technology Directory; Neuropsychological Assessment for Traumatic Brain Injury (07/31/97; updated 02/24/03)

29. HAYES Medical Technology Directory; Neuropsychological Assessment for Infectious Disease Sequelae (11/28/97; updated 02/24/03)


42. Seidman, Larry J; Tasman: Psychiatry, 1st ed. WB Saunders Company, 1997


COMMITTEE APPROVAL:
This Medical Coverage Guideline (MCG) was approved by the Florida Blue Medical Policy & Coverage Committee on 09/24/20.

GUIDELINE UPDATE INFORMATION:

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>09/15/01</td>
<td>Medical Coverage Guideline Reformatted and Revised.</td>
</tr>
<tr>
<td>09/15/03</td>
<td>Reviewed; no changes in coverage.</td>
</tr>
<tr>
<td>01/01/06</td>
<td>HCPCS coding update consisting of the deletion of 96117 and the addition of 96118, 96119 and 96120.</td>
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<tr>
<td>05/15/07</td>
<td>Medical Policy Archived (No longer Active).</td>
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<tr>
<td>01/15/10</td>
<td>Guideline revised and reformatted. Returned to active status.</td>
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<tr>
<td>11/15/12</td>
<td>Revision; added a coverage statement for neurologically complicated Attention Deficit Disorder with or without hyperactivity (ADD/ADHD); updated references and reformatted guideline.</td>
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<tr>
<td>05/11/14</td>
<td>Revision: Program Exceptions section updated.</td>
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<tr>
<td>01/01/18</td>
<td>Revision: deleted repeat testing in 12 months restriction; revised Billing/Coding Information section; reformatted guideline.</td>
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<tr>
<td>01/01/19</td>
<td>Annual CPT/HCPCS coding update. Added 96132, 96133, 96136, 96137, 96138, 96139, 96146. Revised descriptor 96116. Deleted 96118, 96119, 96120. Reformatted Position Statement section.</td>
</tr>
<tr>
<td>03/15/20</td>
<td>Added code 96121.</td>
</tr>
<tr>
<td>10/15/20</td>
<td>Scheduled review. Revised description. Maintained position statement and updated references.</td>
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</tbody>
</table>