I. Policy: Computer Aided Detection Technology

II. Purpose/Objective:
   To provide a policy of coverage regarding Computer Aided Detection Technology

III. Responsibility:
   A. Medical Directors
   B. Medical Management

IV. Required Definitions
   1. Attachment – a supporting document that is developed and maintained by the policy writer or department requiring/authoring the policy.
   2. Exhibit – a supporting document developed and maintained in a department other than the department requiring/authoring the policy.
   3. Devised – the date the policy was implemented.
   4. Revised – the date of every revision to the policy, including typographical and grammatical changes.
   5. Reviewed – the date documenting the annual review if the policy has no revisions necessary.

V. Additional Definitions
Medical Necessity or Medically Necessary means Covered Services rendered by a Health Care Provider that the Plan determines are:

   a. appropriate for the symptoms and diagnosis or treatment of the Member's condition, illness, disease or injury;
   b. provided for the diagnosis, and the direct care and treatment of the Member's condition, illness disease or injury;
   c. in accordance with current standards of good medical treatment practiced by the general medical community.
   d. not primarily for the convenience of the Member, or the Member's Health Care Provider; and
   e. the most appropriate source or level of service that can safely be provided to the Member. When applied to hospitalization, this further means that the Member requires acute care as an inpatient due to the nature of the services rendered or the Member's condition, and the Member cannot receive safe or adequate care as an outpatient.

Medicaid Business Segment
Medical Necessity shall mean a service or benefit that is compensable under the Medical Assistance Program and if it meets any one of the following standards:

   (i) The service or benefit will, or is reasonably expected to, prevent the onset of an illness, condition or disability.
   (ii) The service or benefit will, or is reasonably expected to, reduce or ameliorate the physical, mental or development effects of an illness, condition, injury or disability.
   (iii) The service or benefit will assist the Member to achieve or maintain maximum functional
capacity in performing daily activities, taking into account both the functional capacity of the Member and those functional capacities that are appropriate for members of the same age.

DESCRIPTION:
The computer-aided detection (CAD) system uses computerized algorithms to identify suspicious regions of interest on imaging studies. The CAD system is intended to be used only after a radiologist has completed an evaluation of the image. Although CAD is most often used in mammography, various new devices are now being developed for the detection of lesions in medical imaging including conventional radiology, CT, MRI and ultrasound studies.

INDICATIONS:
The use of computer aided detection in conjunction with a mammography and/or Breast MRI studies may be considered medically necessary when used to assist the radiologist in detecting potential abnormalities.

EXCLUSIONS:
The Plan does NOT provide coverage for the use of a computer-aided detection system in imaging studies other than mammography, including but not limited to X-rays, CT, MRI, and ultrasound studies. There is insufficient evidence in the peer-reviewed published medical literature regarding the effectiveness of the application of CAD technology to imaging studies other than mammography. It is considered unproven and NOT COVERED.

Note: A complete description of the process by which a given technology or service is evaluated and determined to be experimental, investigational or unproven is outlined in MP 15 - Experimental Investigational or Unproven Services or Treatment.

CODING ASSOCIATED WITH: Computer Aided Detection Technology

The following codes are included below for informational purposes and may not be all inclusive. Inclusion of a procedure or device code(s) does not constitute or imply coverage nor does it imply or guarantee provider reimbursement. Coverage is determined by the member specific benefit plan document and any applicable laws regarding coverage of specific services. Please note that per Medicare coverage rules, only specific CPT/HCPCS Codes may be covered for the Medicare Business Segment. Please consult the CMS website at www.cms.gov or the local Medicare Administrative Carrier (MAC) for more information on Medicare coverage and coding requirements.

HCPCS/CPT Codes:
0159T  Computer aided detection, including computer algorithm analysis of MRI image data for lesion detection/characterization, pharmacokinetic analysis, with further physical review for interpretation, breast MRI.
0174T  Computer-aided detection (CAD) (computer algorithm analysis of digital image data for lesion detection) with further physician review for interpretation and report, with or without digitization of film radiographic images, chest radiograph(s). Performed concurrent with primary interpretation. (List separately in addition to code for primary procedure)
0175T  Computer-aided detection (CAD) (computer algorithm analysis of digital image data for lesion detection) with further physician review for interpretation and report, with or without digitization of film radiographic images, chest radiograph(s). Performed remote from primary interpretation.
77065  Diagnostic mammography, including computer-aided detection (CAD) when performed; unilateral
77066  Diagnostic mammography, including computer-aided detection (CAD) when performed; bilateral
77067  Screening mammography, bilateral (2-view study of each breast), including computer-aided detection (CAD) when performed

LINE OF BUSINESS:
Eligibility and contract specific benefits, limitations and/or exclusions will apply. Coverage statements found in the line of business specific benefit document will supersede this policy. For Medicare, applicable LCD’s and NCD’s will supersede this policy. For PA Medicaid Business segment, this policy applies as written.

Gold Choice: Coverage will be in accordance with current CMS guidelines.

REFERENCES:


Dean JC, Ilvento CC. Improved cancer detection using computer-aided detection with diagnostic and screening mammography: Prospective Study of 104 Cancers.


This policy will be revised as necessary and reviewed no less than annually.

Devised: 09/2006

Reviewed: