

# C-Reactive Protein; High Sensitivity (hsCRP)

LCD ID L34272

## Original ICD-9 LCD ID

L30591

## LCD Title

Pathology and Laboratory: C-Reactive Protein; High Sensitivity (hsCRP)

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## CMS National Coverage Policy

- Title XVIII of the Social Security Act, Section 1833 (e). This section states that no payment shall be made to any provider for any claims that lack the necessary information to process the claim.
- Title XVIII of the Social Security Act, Section 1861(s)(3). This section outlines coverage for clinical diagnostic laboratory tests.
- Title XVIII of the Social Security Act, Section 1862(a)(1)(A). This section allows coverage and payment for only those services that are considered to be reasonable and medically necessary, i.e., reasonable and necessary are those tests used in the diagnosis and management of illness or injury or to improve the function of a malformed body part.
- Title XVIII of the Social Security Act, Section 1862(a)(7). This section excludes routine physical examinations.
- Medicare Program Integrity Manual (Pub. 100-08), Chapter 13. Local Coverage Determinations.

## Coverage Guidance

### Coverage Indications, Limitations, and/or Medical Necessity

#### Indications

CRP (C-Reactive Protein) is an inflammatory marker that has been studied to determine its role in screening, detecting and monitoring of many disease processes. Cardiovascular disease has been shown to involve an inflammatory process that may be correlated to various inflammatory markers including CRP, specifically hsCRP (high sensitivity).

### Limitations

There is no current literature to support the use of hsCRP in the monitoring of coronary artery disease. Also, hsCRP is not covered as a screening tool. **Therefore, hsCRP (CPT 86141) is a noncovered service.**

#### Bill Type Codes:

Contractors may specify Bill Types to help providers identify those Bill Types typically used to report this service. Absence of a Bill Type does not guarantee that the policy does not apply to that Bill Type. Complete absence of all Bill Types indicates that coverage is not influenced by Bill Type and the policy should be assumed to apply equally to all claims.  
N/A

#### Revenue Codes:

Contractors may specify Revenue Codes to help providers identify those Revenue Codes typically used to report this service. In most instances Revenue Codes are purely advisory; unless specified in the policy services reported under other Revenue Codes are equally subject to this coverage determination. Complete absence of all Revenue Codes indicates that coverage is not influenced by Revenue Code and the policy should be assumed to apply equally to all Revenue Codes.

N/A

#### CPT/HCPCS Codes

Group 1 Paragraph: N/A

#### Group 1 Codes:

86141	C-reactive protein hs
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#### ICD-10 Codes that Support Medical Necessity

#### Group 1 Codes:

ICD-10 CODE	DESCRIPTION
XX000	Not Applicable

## General Information

### Associated Information

NA

### Sources of Information and Basis for Decision

- Beattie M et al. C-Reactive Protein and Ischemia in Users and Nonusers of Beta-Blockers and Statins Data from the Heart and Soul Study. *Circulation* 2003; 107(2):245-50.
- Kushner I et al. Is High-Sensitivity C-Reactive Protein an Effective Screening Test for Cardiovascular Risk? *Arch Intern Med* 2002; 162(8):867-9.
- Nissen et al. Statin therapy, LDL Cholesterol, C-reactive Protein, and Coronary Artery Disease. *N Engl J Med* 2005; 352(1):29-38.
- Pearson T et al. Markers of Inflammation and Cardiovascular Disease: Application to Clinical and Public Health Practice: A Statement for Healthcare Professionals from the Centers for Disease Control and Prevention and the American Heart Association. *Circulation* 2003; 107(3):499-511.
- Ridker P. Clinical Application of C-Reactive Protein for Cardiovascular Disease Detection and Prevention. *Circulation* 2003; 107(3):363-9.
- Smith S Jr et al. CDC/AHA Workshop on Markers of Inflammation and Cardiovascular Disease: Application to Clinical and Public Health Practice: Report from the Clinical Practice Discussion Group. *Circulation* 2004; 110(25):e550-3.
- Verma S et al. C-Reactive Protein Comes of Age. *Nat Clin Pract Cardiovasc Med* 2005; 2(1):29-36; Quiz 58.
- Yeh E et al. Coming of Age of C-Reactive Protein: Using Inflammation Markers in Cardiology. *Circulation* 2003; 107(3):370-1.
- Consultation with representatives to the Carrier Advisory Committees and other Medicare Contractors.
- Other Medicare Contractor's LCDs.