

2.02.16	Ultrasonographic Measurement of Carotid Intima-Medial Thickness as an Assessment of Subclinical Atherosclerosis	
Section 2.0 Medicine	Effective Date September 30, 2014	
Subsection 2.02 Cardiology	Original Policy Date December 7, 2006	Next Review Date September 2015

Description

Ultrasonographic measurement of carotid intima-medial (or intimal-media) thickness (CIMT) refers to the use of B mode ultrasound to determine the thickness of the 2 innermost layers of the carotid artery wall, the intima and the media. Detection and monitoring of intima-medial thickening, which is a surrogate marker for atherosclerosis, may provide an opportunity to intervene earlier in atherogenic disease and/or monitor disease progression.

Related Policies

- Cardiac Computed Tomography (CT) and Coronary CT Angiography
- Coronary Heart Disease (CHD) - Assessment of Emerging Risk Factors

Policy

Ultrasonographic measurement of carotid artery intima-medial thickness (CIMT) as a technique of identifying subclinical atherosclerosis is considered **investigational** for use in the screening, diagnosis, or management of atherosclerotic disease.

Policy Guidelines

There is a category III CPT code specific to this testing:

- **0126T**: Common carotid intima-media thickness (IMT) study for evaluation of atherosclerotic burden or coronary heart disease risk factor assessment

It is possible that providers might incorrectly use CPT code 93880, which describes bilateral duplex scan of extracranial arteries. Checking the diagnosis code may help identify claims that are incorrectly coded (e.g., ICD-9 code V81.0 [special screening for cardiovascular disease]).

Ultrasonographic measurement of the carotid intima-medial thickness may be performed on participants in some clinical trials.

Benefit Application

Benefit determinations should be based in all cases on the applicable contract language. To the extent there are any conflicts between these guidelines and the contract language, the contract language will control. Please refer to the member's contract benefits in effect at the time of service to determine coverage or non-coverage of these services as it applies to an individual member.

Some state or federal mandates (e.g., Federal Employee Program (FEP)) prohibit Plans from denying Food and Drug Administration (FDA) - approved technologies as investigational. In these instances, plans may have to consider the coverage eligibility of FDA-approved technologies on the basis of medical necessity alone.

Rationale

Background

Coronary heart disease (CHD) accounts for 27% of all deaths in the U.S.(1) Established major risk factors for CHD have been identified by the National Cholesterol Education Program Expert Panel (NCEP). These risk factors include elevated serum levels of low density lipoprotein (LDL) cholesterol, total cholesterol, and reduced levels of high density lipoprotein (HDL) cholesterol. Other risk factors include a history of cigarette smoking, hypertension, family history of premature CHD, and age.

The third report of the NCEP Adult Treatment Panel (ATP III) establishes various treatment strategies to modify the risk of CHD, with emphasis on target goals of LDL cholesterol. Pathology studies have demonstrated that levels of traditional risk factors are associated with the extent and severity of atherosclerosis. ATP III recommends use of the Framingham criteria to further stratify those patients with 2 or more risk factors for more intensive lipid management.(2) However, at every level of risk factor exposure, there is substantial variation in the amount of atherosclerosis, presumably related to genetic susceptibility and the influence of other risk factors. Therefore, there has been interest in identifying a technique that can improve the ability to diagnose those at risk of developing CHD, as well as measure disease progression, particularly for those at intermediate risk.

The carotid arteries can be well-visualized by ultrasonography, and ultrasonographic measurement of the carotid artery intima-medial thickness (CIMT) has been investigated as a technique to identify and monitor subclinical atherosclerosis. B mode ultrasound is most commonly used to measure CIMT. The intima-medial thickness (IMT) is measured and averaged over several sites in each carotid artery. Imaging of the far wall of each common carotid artery yields more accurate and reproducible IMT measurements than imaging of the near wall. Two echogenic lines are produced, representing the lumen-intima interface and the media-adventitia interface. The distance between these 2 lines constitutes the IMT.

Regulatory Status

In February 2003, SonoCalc® (SonoMetric Health, LLC, Bountiful, UT) was cleared for marketing by the U.S. Food and Drug Administration (FDA) through the 510(k) process. FDA determined that this software was substantially equivalent to existing image display products for use in the automatic measurement of the IMT of the carotid artery from

images obtained from ultrasound systems. Subsequently, several other devices have been approved through the 510(k) process. Product code: LLZ.

Literature Review

Evaluation of a diagnostic technology typically focuses on the following 3 parameters: (1) technical performance; (2) diagnostic parameters (sensitivity, specificity, positive and negative predictive value); and (3) demonstration of clinical utility; the diagnostic information can be used to improve patient outcomes.

The literature on the use of carotid intima-media thickness (IMT) for cardiac risk stratification consists of numerous cohort studies and systematic reviews of these cohort studies. The following review includes the largest prospective cohort studies and the most important systematic reviews of these studies.

Diagnostic Utility

Systematic reviews. In a 2012 meta-analysis, the USE Intima-Media Thickness (USE-IMT) collaboration, investigators sought to determine whether common CIMT measurements could assist in estimating the 10-year risk of first-time myocardial infarction (MI) or first-time stroke when added to the Framingham Risk Score.(3) Using individual data for 45,828 patients from 14 population-based cohort studies, Den Ruijter et al. found risk of first-time MI or stroke was related positively to both the Framingham Risk Score and the adjusted common CIMT. The mean common CIMT was 0.73 mm and increased in every cohort with patient age during a median follow-up of 11 years. For every 0.1 mm difference in common CIMT, the hazard ratio (HR) for risk of MI or stroke, which occurred in 4007 patients, was 1.12 (95% confidence interval [CI], 1.09 to 1.14) for women and 1.08 (95% CI, 1.05 to 1.11) for men. However, adding common CIMT measurements to the Framingham Risk Score did not improve risk prediction and resulted in reclassification of risk in only 6.6% of patients. The added value of mean common CIMT in reclassifying risk was only 0.8% (95% CI, 0.1% to 1.6%) and did not differ between men and women. The c-statistic of the Framingham Risk Score model with and without CIMT was similar (0.759; 95% CI, 0.752 to 0.766; and 0.757; 95% CI, 0.749 to 0.764), suggesting the addition of CIMT in risk assessment offered limited benefit.

A 2013 meta-analysis of 15 articles by van den Oord et al. found similar results on the added value of CIMT.(4) Six cohort studies totaling 32,299 patients were evaluated to examine the value of CIMT added to traditional cardiovascular risk factors. While a CIMT increase of 0.1mm was predictive for MI (HR=1.15; 95% CI, 1.12 to 1.18) and for stroke (HR=1.17; 95% CI, 1.15 to 1.21), the addition of CIMT did not statistically significantly increase risk prediction over traditional cardiovascular risk factors (p=0.8).

In a 2012 meta-analysis of individual participant data pooled from 16 studies with a total of 36,984 patients, Lorenz et al. examined CIMT progression from 2 ultrasound screenings taken 2 to 7 years apart (median, 4 years).(5) Patients were followed for a mean of 7 years, during which time 1339 strokes, 1519 MI, and 2028 combined end points (MI, stroke, vascular death) occurred. The mean CIMT of the 2 ultrasound results was predictive of cardiovascular risk using the combined end point (adjusted HR=1.16; 95% CI, 1.10 to 1.22). In sensitivity analyses, no associations were found between cardiovascular risk and individual CIMT progression regardless of CIMT definition, end point, and adjustments. As an example, for the combined end points, an increase of 1 SD in mean common CIMT progression resulted in an overall estimated HR of 0.97 (95% CI, 0.94 to 1.00) when adjusted for age, sex, and mean common CIMT, and HR was 0.98 (95% CI, 0.95 to 1.01) when adjusted for vascular risk factors. These data confirm that CIMT is a predictor of cardiovascular risk, but do not demonstrate that changes in CIMT over time are predictive of future events.

In a 2012 systematic review of subclinical atherosclerosis imaging techniques, Peters et al. reviewed 12 studies on CIMT that examined reclassification of risk.(6) For the impact on the primary outcome of cardiovascular events, when CIMT was added to the prediction model, the range of increase in the c-statistic was 0.00 to 0.03 on a scale of 0 to 1.0. Net reclassification improvement with CIMT was reported in 5 of the studies included in the review and ranged from -1.4% to 12%.

Recent studies have found including carotid plaques in CIMT increases the predictive value of cardiovascular risk over CIMT assessed only in plaque-free sites.(7-10) However, the meta-analysis by Lorenz et al. found no difference in the main results between studies that included CIMT with carotid plaque and plaque-free CIMT.(5) The systematic review by Peters et al. found adding carotid plaque to the traditional CIMT model increased the c-statistic from 0.01 to 0.06.(6)

In 2010, Mookadam et al. conducted a systematic review of the role of CIMT in predicting individual cardiovascular event risk and as a tool in assessing therapeutic interventions.(11) The authors concluded that CIMT is an independent risk factor for cardiovascular events and may be useful in determining treatment when there is uncertainty regarding the approach or patient reluctance. However, further studies are needed to identify the best approaches to screening and interventions to prevent progression of atherosclerosis.

Prospective cohort studies. In the Atherosclerosis Risk in Communities (ARIC) study, the authors evaluated risk factors associated with increased CIMT in 15,800 subjects.(12) CIMT had a graded relationship with increasing quartiles of plasma total cholesterol, low-density lipoprotein (LDL) cholesterol, and triglycerides. CIMT was then also correlated with the incidence of CHD in a subgroup of patients enrolled in the trial after 4 to 7 years of follow-up.(13) Among the 12,841 subjects studied, there were 290 incident events. The HR rate for men and women, adjusted for age and gender, comparing extreme CIMT (i.e., ≥ 1 mm) to nonextreme CIMT (i.e., < 1 mm) was 5.07 for women and 1.85 for men. The strength of the relationship was reduced by including major coronary heart disease (CHD) risk factors but remained elevated for higher measurements of CIMT. The authors concluded that mean CIMT is a noninvasive predictor of future CHD incidence.

The Rotterdam study was a prospective cohort study that started in 1989 and recruited 7983 men and women aged 55 years and older. The main objective of the Rotterdam study was to investigate the prevalence and incidence of risk factors for chronic diseases, including cardiovascular disease, in elderly people. One aspect of the study sought to determine whether progression of atherosclerosis in asymptomatic elderly subjects is a prelude to cardiovascular events. Measurements of CIMT were used to assess the progression of atherosclerosis. Increasing CIMT was associated with increasing risks of stroke and MI.(14) O'Leary et al. performed CIMT in 4476 asymptomatic subjects aged 65 years or older without clinical cardiovascular disease.(15) The incidence of cardiovascular events correlated with measurements of CIMT; this association remained significant after adjustment for traditional risk factors. The authors concluded that increases in CIMT are directly associated with an increased risk of MI and stroke in older adults without a history of cardiovascular disease.

The Carotid Atherosclerosis Progression Study (CAPS) was a longitudinal study of 4904 subjects. All subjects received a baseline CIMT measurement, as well as traditional risk factor analysis, and were followed over a 10-year period (mean follow-up, 8.5 years; range, 7.1-10.0 years). Adverse outcome events were MI in 73 patients (1.5%), angina or MI in 271 patients (5.5%), and death in 72 subjects (1.5%). Lorenz et al. have recently published a retrospective review of the data from CAPS.(16) The authors modeled the predictive value of CIMT on the cardiovascular adverse events within that decade.

Because the thresholds of CIMT measurements that would lead to reclassification of risk are unknown, the authors used 24 different models of reclassification and 5 statistical tests. Each model compares the predictive value of traditional risk factors alone with those risk factors with the addition of CIMT. The authors were unable to find significance in the reclassification models with the addition of CIMT measurements. They concluded that this retrospective analysis does not support the use of CIMT as a clinically useful risk classification tool when used in conjunction with traditional risk factor analysis.

Several other studies have, in fact, used CIMT measurements as outcome measures. In this setting, serial measurements of CIMT are performed, as opposed to a single measure. For example, the Asymptomatic Carotid Artery Progression Study (ACAPS) was designed to evaluate the role of lovastatin (an HMG-CoA reductase inhibitor, i.e., a statin drug) in patients asymptomatic for cardiovascular disease and with LDL cholesterol levels at or below the limits established by the National Cholesterol Education Program.(17,18) A total of 919 asymptomatic men and women were randomly assigned to receive various combinations of lovastatin, warfarin, and placebo over a 3-year period. The principal outcome measurement was the progression of CIMT, tested at 6 sites in both carotid arteries. Lovastatin treatment was associated with a reduction in the progression of mean maximum CIMT. The Monitored Atherosclerosis Regression Study also included measurements of CIMT every 6 months for 4 years in a subset of enrolled subjects.(19) The authors concluded that lipid-lowering therapy resulted in a regression of CIMT.

CIMT is frequently used in the research setting but application or widespread use is uncertain. In the Multi-Ethnic Study of Atherosclerosis (MESA) trial, an ongoing cohort study of atherosclerosis,(20) CIMT was found to be a modestly better predictor of stroke but a worse predictor of CHD than coronary artery calcium score at a median follow-up of 3.9 years among 6698 adults asymptomatic at baseline. In a 2010 article from MESA, CIMT results in 4792 healthy, nondiabetic adults who were not on lipid-lowering medications were compared in 6 different lipid groups, including normolipemia and several types of common dyslipidemias.(21) The mean CIMT values were increased only for the combined hyperlipidemia (defined as any high-density lipoprotein [HDL]-C level, LDL-cholesterol [C] ≥ 160 and triglyceride ≥ 150) and simple hypercholesterolemia (defined as any HDL-C level, LDL-C ≥ 160 and triglyceride < 150) groups. In another MESA report, in 2011, on 6760 patients with elevated high-sensitivity C-reactive protein (hsCRP) as defined by the JUPITER study, CIMT increases correlated with obesity but only mildly with hsCRP.(22) In the Bogalusa Heart Study of 991 subjects, obesity along with overweight and elevated metabolic risk were also associated with increased CIMT.(23) In this study population, 41% of patients were found to have increased CHD risk. In the CARDIA study, clotting factor VII was associated with increases in CIMT in 1254 subjects.(24) CIMT is also used as a surrogate outcome measure in atherosclerosis treatment research studies.(25)

In 2010, Raiko et al. compared cardiovascular disease risk-scoring tools for identification of CHD risk to CIMT results in 2204 healthy adults, aged 24 to 39 years, from the Cardiovascular Risk in Young Finns study.(26) The cardiovascular disease risk scoring tools evaluated included the Framingham, Reynolds Risk Score, Systematic Coronary Risk Evaluation (SCORE), PROCAM, and Finrisk cardiovascular risk scores. In this population-based follow-up study, the authors found all of the cardiovascular disease risk scores performed equally in being able to predict subclinical atherosclerosis, as measured by high CIMT 6 years later.

Section Summary

Evidence from large, prospective cohort studies has established that CIMT is an independent risk factor for cardiovascular disease. However, systematic reviews have concluded that the ability of CIMT to reclassify patients into clinically relevant categories

is modest and may not be clinically important. The uncertainty around the ability to reclassify patients into clinically relevant categories limits the potential for CIMT to improve health outcomes.

Clinical Utility

In a 2011 study by Johnson et al., 355 patients, aged 40 years with 1 or more cardiovascular disease risk factors, received carotid ultrasound screenings to prospectively determine whether abnormal results would change physician and patient behaviors.(27) Results were considered abnormal (when CIMT was greater than the 75th percentile or the presence of carotid plaque) in 266 patients. Self-reported questionnaires were completed before the carotid ultrasound, immediately after the ultrasound, and 30 days later to determine behavioral changes. Physician behavior in prescribing aspirin and cholesterol medication changed significantly ($p < 0.001$ and $p < 0.001$, respectively) after identification of abnormal carotid ultrasound results. Abnormal ultrasound results predicted reduced dietary sodium (odds ratio [OR], 1.45; $p = 0.002$) and increased fiber intake (OR=1.55; $p = 0.022$) in patients but no other significant changes. Health outcomes were not evaluated in this study, and the short-term follow-up limits interpretation of results.

The evidence on reclassification of cardiovascular risk offers a potential indirect chain of evidence to improve outcomes. If a measure is able to reclassify patients into risk categories that have different treatment approaches, then clinical management changes may occur that lead to improved outcomes. Because the ability to reclassify patients into clinically relevant categories with CIMT is modest at best, the clinical utility of this measure for reclassification is uncertain.

Section Summary

There is no direct evidence on the clinical utility of measuring CIMT for cardiac risk stratification. The available evidence on reclassification into clinically relevant categories does not support that the use of CIMT will improve health outcomes.

Ongoing and Unpublished Clinical Trials

A search of online database ClinicalTrials.gov on June 16, 2014, identified 2 open, randomized, controlled trials (RCT). In the VIP-VIZA (visualization of asymptomatic atherosclerotic disease for optimum cardiovascular [CV] prevention) RCT, the benefits of incorporating carotid ultrasound results into a CV disease prevention program will be studied (NCT01849575). Estimated study enrollment is 3200 subjects. After 1 and 3 years, CV risk factors, medication usage, and lifestyle will be evaluated. After 5 years, CV morbidity and mortality will be evaluated until the year 2020. The IMPRESS Study (NCT01330602) will randomly stratify 1310 subjects with an intermediate risk of cardiovascular events and a family history of premature atherosclerosis to either a disease management program with intensive pharmacologic and behavioral interventions for primary prevention or usual health care management. The study will evaluate whether the disease management program is effective and whether changes in CIMT over 3 years can determine atherosclerotic status and future cardiovascular events. Estimated completion date for this study is December 2013.

Summary

Ultrasonographic measurement of carotid intima-medial (or intimal-media) thickness (CIMT) refers to the use of B mode ultrasound to determine the thickness of the 2 innermost layers of the carotid artery wall, the intima and the media. Detection and monitoring of intima-medial thickening, which is a surrogate marker for atherosclerosis,

may provide an opportunity to intervene earlier in atherogenic disease and/or monitor disease progression.

Some studies correlate increased CIMT with many other commonly used markers for risk of coronary heart disease (CHD) and with risk for future cardiovascular events. While a 2012 meta-analysis of individual participant data by Lorenz et al. found that CIMT was associated with increased cardiovascular events, CIMT progression over time was not associated with increased cardiovascular event risk. In a systematic review by Petersen et al.,⁽⁶⁾ the added predictive value of CIMT was modest, and the ability to reclassify patients into clinically relevant categories was not demonstrated. The results from these studies and others demonstrate the predictive value of CIMT is uncertain, and the predictive ability for any level of population risk cannot be determined with precision.

In addition, available studies do not define how the use of CIMT in clinical practice improves outcomes. There appears to be no scientific literature that directly and experimentally tests the hypothesis that measurement of CIMT results in improved patient outcomes and no specific guidance on how measurements of CIMT should be incorporated into risk assessment and risk management. The existing data are insufficient to determine the impact of this technology on net health outcome. Therefore, CIMT is considered investigational for use in the screening, diagnosis, or management of atherosclerotic disease.

Practice Guidelines and Position Statements

A 2013 guideline on the assessment of cardiovascular risk from the American College of Cardiology and the American Heart Association (ACC/AHA) does not recommend CIMT for routine risk assessment of a first atherosclerotic cardiovascular disease event. (Grade N, not recommendation for or against) ACC/AHA Class III: no benefit, LOE: B. (based on new evidence during ACC/AHA update of evidence).⁽²⁸⁾ This differs from the previous 2010 version of the ACC/AHA guidelines for assessment of cardiovascular risk,⁽²⁹⁾ which indicated CIMT might be reasonable for assessing cardiovascular risk in intermediate risk asymptomatic adults.

In October 2009, the U.S. Preventive Services Task Force (USPSTF) published a systematic review of CIMT within the scope of a larger recommendation statement entitled "Using Nontraditional Risk Factors in Coronary Heart Disease Risk Assessment."⁽³⁰⁾ On the basis of 1 fair- and 2 good-quality studies, USPSTF states that CIMT, independently of Framingham risk factors, predicts CHD in asymptomatic patients. These studies were longitudinal, population-based studies conducted in the U.S. and the Netherlands. USPSTF reviewed the Atherosclerosis Risk in Communities (ARIC) study and concluded that CIMT measurement can result in risk prediction that is modestly improved, particularly in adult men. However, the review cautions that the studies that did show an association were all done in a research setting, and therefore one cannot draw conclusions on the applicability of CIMT to the intermediate-risk population at large. The studies which USPSTF referenced are further detailed within this policy.

The Summary of Recommendation specific to CIMT is stated as:

"The U.S. Preventive Services Task Force (USPSTF) concludes that the current evidence is insufficient to assess the balance of benefits and harms of using ... [CIMT] ... to screen asymptomatic men and women with no history of CHD to prevent CHD events." USPSTF identifies the following research need: "The predictive value...of carotid IMT ... should be examined in conjunction with traditional Framingham risk factors for predicting CHD events and death."

The American Society of Echocardiography Consensus Statement⁽³¹⁾ endorsed by the Society for Vascular Medicine, states that CIMT is a feature of arterial wall aging “that is not synonymous with atherosclerosis, particularly in the absence of plaque.” The statement recommends measurement of both CIMT and carotid plaque by ultrasound “for refining CVD risk assessment in patients at intermediate cardiovascular disease risk (Framingham Risk Score 6–20%) without established CHD, peripheral arterial disease, cerebrovascular disease, diabetes mellitus, or abdominal aortic aneurysm.” However, the authors acknowledge that, “More research is needed to determine whether improved risk prediction observed with CIMT or carotid plaque imaging translates into improved patient outcomes.” The ATP III does not recommend using “emerging risk factors” in the assessment of persons for primary prevention. It does state that “emerging risk factors” may be useful in certain patient-centered circumstances.⁽²⁾

Medicare National Coverage

No national coverage determination (NCD) was identified. In the absence of an NCD, coverage decisions are left to the discretion of local Medicare carriers.

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Documentation Required for Clinical Review

- No records required

Coding

This Policy relates only to the services or supplies described herein. Benefits may vary according to benefit design; therefore, contract language should be reviewed before applying the terms of the Policy. Inclusion or exclusion of a procedure, diagnosis or device code(s) does not constitute or imply member coverage or provider reimbursement.

IE

The following services are considered investigational and therefore not covered for any indication.

Type	Code	Description
CPT®	0126T	Common carotid intima-media thickness (IMT) study for evaluation of atherosclerotic burden or coronary heart disease risk factor assessment
	93880	Duplex scan of extracranial arteries; complete bilateral study
HCPC	None	
ICD-9 Procedure	None	
ICD-10 Procedure	<i>For dates of service on or after 10/01/2015</i>	
	B345ZZZ	Ultrasonography of Bilateral Common Carotid

		Arteries
ICD-9 Diagnosis	All Diagnoses	
ICD-10 Diagnosis	<i>For dates of service on or after 10/01/2015</i>	
	All Diagnoses	

Policy History

This section provides a chronological history of the activities, updates and changes that have occurred with this Medical Policy.

Effective Date	Action	Reason
12/7/2006	New Policy Adoption	Medical Policy Committee
4/2/2010	Policy revision without position change Coding update	Medical Policy Committee
8/6/2013	Policy revision without position change. Policy placed on No Further Routine Literature Review and Update status.	Medical Policy Committee
9/30/2014	Policy title change from Carotid Intima-Media Thickness Measurement Policy revision without position change	Medical Policy Committee

Definitions of Decision Determinations

Medically Necessary: A treatment, procedure or drug is medically necessary only when it has been established as safe and effective for the particular symptoms or diagnosis, is not investigational or experimental, is not being provided primarily for the convenience of the patient or the provider, and is provided at the most appropriate level to treat the condition.

Investigational/Experimental: A treatment, procedure or drug is investigational when it has not been recognized as safe and effective for use in treating the particular condition in accordance with generally accepted professional medical standards. This includes services where approval by the federal or state governmental is required prior to use, but has not yet been granted.

Split Evaluation: Blue Shield of California / Blue Shield of California Life & Health Insurance Company (Blue Shield) policy review can result in a Split Evaluation, where a treatment, procedure or drug will be considered to be investigational for certain indications or conditions, but will be deemed safe and effective for other indications or conditions, and therefore potentially medically necessary in those instances.

Prior Authorization Requirements

This service (or procedure) is considered **medically necessary** in certain instances and **investigational** in others (refer to policy for details).

For instances when the indication is **medically necessary**, clinical evidence is required to determine **medical necessity**.

For instances when the indication is **investigational**, you may submit additional information to the Prior Authorization Department.

Within five days before the actual date of service, the Provider MUST confirm with Blue Shield that the member's health plan coverage is still in effect. Blue Shield reserves the right to revoke an authorization prior to services being rendered based on cancellation of the member's eligibility. Final determination of benefits will be made after review of the claim for limitations or exclusions.

Questions regarding the applicability of this policy should also be directed to the Prior Authorization Department. Please call 1-800-541-6652 or visit the Provider Portal www.blueshieldca.com/provider.

The materials provided to you are guidelines used by this plan to authorize, modify, or deny care for persons with similar illness or conditions. Specific care and treatment may vary depending on individual need and the benefits covered under your contract. These Policies are subject to change as new information becomes available.