



Lab Compliance and Test Utilization: Prepare for 2026 and beyond

Andrew Fletcher, MD, MBA, CPE, CHCQM, FCAP

Danielle H. Tangorre, JD, MS

October 28, 2025

Agenda

Evolution of OIG Guidelines 1998, 2023, 2025

Order sets, requisitions, panels

Physician Ordering behaviors

OIG Resources and Processes

Test Utilization Monitoring



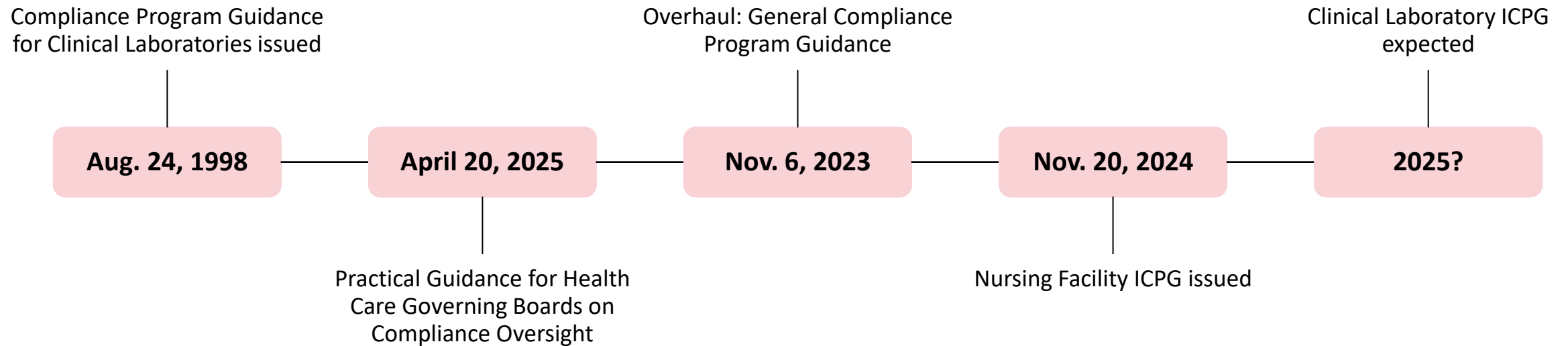
Length of Stay
Biofire Panels Wrong Testing Intervals
Tests Pending at Discharge
Readmissions
Duplicate Genetic Tests Obsolete Tests
Duplicate Test Orders Physician Favorites
Miscellaneous Reference Tests Order Sets
Repetitive Daily Tests
Paraneoplastic Panels
Wrong Reference Test Vitamin D Laboratory Formulary
Iatrogenic Anemia Wrong Methodology
Everything Ordered Stat
Inappropriate C-Diff Tests
Catheter Associated UTI Denials of Payment



GENERAL COMPLIANCE PROGRAM GUIDANCE



Timeline





Overview of General Compliance Guidance

Purpose of GCPG

GCPG provides voluntary best practices for healthcare compliance professionals to develop effective programs.

Key Compliance Elements

It emphasizes understanding federal laws, establishing strong infrastructure, and using OIG resources effectively.

Nonbinding Recommendations

The guidance offers nonbinding, risk mitigation recommendations using the term 'should' to guide healthcare entities.

Modernization and Accessibility

GCPG supports modernization in compliance and covers fraud enforcement, program elements, and organizational adaptations.



Seven Elements of Compliance Infrastructure

Written Policies and Procedures

Develop clear policies and procedures to demonstrate organizational commitment to compliance standards.

Compliance Oversight

Appoint compliance officers and committees to oversee the implementation of compliance programs effectively.

Training and Education

Provide comprehensive compliance training to employees to foster understanding and adherence.

Communication Channels

Establish open communication for reporting concerns and sharing compliance information transparently.

Monitoring and Auditing

Implement internal monitoring and auditing systems to detect and prevent compliance violations.

Enforcement and Discipline

Enforce standards through disciplinary actions to address and deter noncompliance effectively.

Response and Corrective Actions

Develop procedures to respond to offenses and initiate corrective actions promptly and effectively.



General ICPG

– What is it?

Health Care Fraud Enforcement and Other Standards: Overview

Compliance Program Infrastructure: The Seven Elements

Compliance Program Adaptations for Small and Large Entities

Other Compliance Considerations

OIG Resources and Processes



Compliance Programs: DOJ's Expectations

- **Justice Manual**
- **9-28.800 - Corporate Compliance Programs**

The adequacy of a corporation's compliance program, including its corporate culture, however, can have a direct and significant impact on the terms of any resolution with the Department. Prosecutors should evaluate a corporate compliance program as a factor in determining, *inter alia*, whether to charge the corporation, the terms of a corporate resolution, and the need for an independent compliance monitor. Prosecutors should evaluate the corporation's commitment to fostering a strong culture of compliance at all levels of the company. For example, as part of this evaluation, prosecutors should consider how the company has incentivized employee, executive, and director behavior, including through employee discipline, treatment of internal complaints of wrongdoing, and compensation plans, as part of its efforts to create an ethical and well-resourced compliance culture and organization.





Adaptations for Small and Large Entities

Small Entity Compliance

Small organizations combine roles and simplify procedures to maintain effective and manageable compliance with limited resources.

Large Entity Compliance

Larger entities implement formal structures like dedicated departments, detailed documentation, and specialized training programs.

Tailored Compliance Efforts

Compliance programs are tailored to operational scale, emphasizing integrity, accountability, and regulatory adherence.



COMPLIANCE GUIDANCE FOR CLINICAL LABORATORIES



Overview of Laboratory Compliance Guidance

Framework for Compliance

The OIG guidance provides a model framework to help laboratories comply with federal healthcare regulations effectively.

Scope of Application

Guidance applies to diverse labs including national, hospital-based, and regional facilities offering Medicare and Medicaid testing services.

Key Compliance Areas

Focus areas include fraud prevention, Anti-Kickback laws, Stark law issues, and other regulatory considerations.

Enhancing Healthcare Integrity

Adopting compliance plans helps reduce fraud and abuse, improving quality and trust in laboratory services nationwide.





Key Compliance Elements for Laboratories

Written Standards and Policies

Establish clear written standards addressing fraud risks like billing and marketing in laboratory operations.

Leadership and Oversight

Designate a chief compliance officer to oversee and manage the laboratory compliance program effectively.

Training and Education

Develop and deliver thorough education and training programs for all laboratory employees to ensure awareness.

Monitoring and Enforcement

Implement audits, evaluations, and disciplinary actions to monitor compliance and address violations promptly.



Order Sets

ED DYSPNEA (ASTHMA, COPD, PNA) ORDERS

Page 1 of 4

Form No. EB-1012 Date: _____

DIAGNOSTIC TESTS:

Cardiology:

- ☐ EKG STAT and then every 3 hours X 2
 - EKG STAT
 - EKG Timed every 3 hours for 6 hours

Laboratory:

- ☐ ABG STAT
- ☐ BASIC METABOLIC PANEL STAT
- ☐ BLOOD CULTURE X 2 from 2 different sites STAT
 - BLOOD CULTURE, STAT
 - BLOOD CULTURE, Timed different site
- ☐ BRAIN NATRIURETIC PEPTIDE (BNP) STAT
- ☐ CBC W DIFF STAT
- ☐ CBC WO DIFF STAT
- ☐ COMPREHENSIVE METABOLIC PANEL STAT
- ☐ CULTURE, RESPIRATORY (includes Gram Stain)
- ☐ D DIMER STAT
- ☐ DIGOXIN LEVEL STAT (if on DIGOXIN)
- ☐ HEPATIC FUNCTION PANEL (LFT) STAT
- ☐ LACTIC ACID (LACTATE) BLOOD STAT
- ☐ PT / INR STAT
- ☐ PTT STAT
- ☐ Troponin STAT in ED and then every 3 hours X 2
 - iSTAT Troponin and Serum Troponin STAT and then every 3 hours X 2
 - Perform: iSTAT Troponin STAT
 - Troponin STAT
 - Troponin Timed every 3 hours for 6 hours

When iSTAT Troponin is the only test needed:

- ☐ Perform: iSTAT Troponin STAT



Poll 1:

Does your lab have input into the creation and maintenance of all order sets used in your facility?

- Always
- Sometimes
- Never
- Not sure



Requisitions

PATIENT INFORMATION			
Last Name: _____		First Name: _____	
Street Address: _____		Apt#: _____	
City: _____	State: _____	Zip: _____	
Phone: _____	DOB: ____/____/____	SSN: _____	Gender: F ☐ M ☐
INSURANCE INFORMATION			
Insurance Name: _____			
Group#: _____		ID#: _____	
☐ Bill Medicare ☐ Bill Medicaid ☐ Bill Patient			
SPECIMEN INFORMATION			
Date Collected: ____/____/____		Time Collected: _____	
Fasting: ☐ Yes ☐ No		Fax Results to: _____	
☐ STAT			
ICD10 CODES			
DIAGNOSIS (ICD-10 Code)* It is the ordering party's responsibility to order only those tests medically necessary for the diagnosis and treatment of the patient.			
☐ E03.9 Hypothyroidism, unspecified ☐ E78.1 Pure hyperglycemia ☐ J31.0 Chronic rhinitis ☐ R53.81 Other malaise ☐ E05.1 Vitamin B12 deficiency anemia, unspecified ☐ E78.2 Mixed hyperlipidemia ☐ N42.9 Disorder of prostate, unspecified ☐ R79.89 Other specified abnormal ☐ E11.9 Type 2 diabetes mellitus w/o complications ☐ E78.49 Other hyperlipidemia ☐ N39.0 Urinary tract infection, site not specified findings of blood chemistry ☐ E53.8 Def of other specified B group vitamins ☐ I10 Essential (primary) hypertension ☐ R53.1 Weakness ☐ Z79.01 Long term (current) use ☐ E55.9 Vitamin D deficiency, unspecified ☐ I25.10 Atherosclerotic heart disease of native ☐ R73.09 Other abnormal glucose of anticoagulants ☐ E72.11 Homocystinuria coronary artery without angina pectoris ☐ R79.9 Ab. finding of blood chemistry, unspecified ☐ Z79.899 Other long term ☐ E78.01 Familial hypercholesterolemia ☐ J30.89 Other allergic rhinitis ☐ R97.8 Other abnormal tumor markers (current) drug therapy			
CUSTOM DIAGNOSTIC PROFILES (See back for Panel Description)			
☐ 110 Abdominal Pain Panel 1UC,1L,2SST,SC ☐ 114 Depression Screen 1L,1SST ☐ 22 Cardio Profile 3SST,3LT,1UC,1B ☐ 400 Male Weight Loss Panel 1UC,1LT ☐ 804 Allergy Profile 2SST ☐ 111 Diabetic Screen 1UC,1SST,1L ☐ VB Vitamin B Deficiency 1SST,2LT ☐ 113 Obesity Panel 1L,1SST ☐ 107 Anemia Screen 1L,1SST ☐ 77 Epstein-Barr Virus Screen 1L,1SST ☐ 1018 Heavy Metals RLB ☐ 115 STD Screening 1UC,2SST ☐ 116 Arthritis Eval/ Autoimmune DX Screening 2SST,1LT,1UC ☐ 101F Female Health Screen I 1L,3SST,1UC ☐ 1050 Heavy Metals, Urine UC ☐ 118 Systemic Lupus Erythematosus SST ☐ 100 Cardiac Risk Panel 1L,1SST ☐ 103 Female Hormone Screen 2SST ☐ 101M Male Health Screen I 1L,3SST,1UC ☐ 112 Thyroid Disorders 1L,1SST ☐ 399 Female Weight Loss Panel 2SST,1LT,1UC ☐ 102 Male Hormone Screen 2SST			
INDIVIDUAL DIAGNOSTIC TESTS			
☐ 503 AFP (Tumor Marker) SST ☐ 15 Comp Metabolic Panel SST ☐ 1472 Immunofixation (IFE), Urine UC ☐ 404 PTT B ☐ 1 Albumin (Alb) SST ☐ 1321 Cortisol SST ☐ 1470 Immunofixation (IFE), Serum SST ☐ 1351 PTH SST ☐ 2 Alkaline Phosphatase (ALP) SST ☐ 1322 C-Peptide SST ☐ 1377 Immunoglobulin A SST ☐ 1445 Quantiferon-TB Gold Plus GR ☐ 3 ALT (SGPT) SST ☐ 18 C-Reactive Protein (CRP) SST ☐ 1378 Immunoglobulin G SST ☐ 40 Renal Panel SST ☐ 4 Amylase Serum SST ☐ 17 Creatinine with eGFR SST ☐ 1379 Immunoglobulin M SST ☐ 412 Reticulocyte Count L ☐ 4 ANA w/ reflex Cascade SST ☐ 1326 Creatinine Urine UC ☐ 1337 Immunoglobulin E Total SST ☐ 1403 Reverse T3 SST ☐ 903 ANA Screen SST ☐ 14 Creatinine Kinase SST ☐ 1339 Insulin SST ☐ 934 Rheumatoid Factor SST ☐ 953 ANA Profile SST ☐ 1423 Cystatin C SST ☐ 30 Iron SST ☐ 935 RPR SST ☐ 1478 ANCA Profile SST ☐ 1330 DHEA-S04 SST ☐ 31 LDH SST ☐ 564 SHBG SST ☐ 1477 Anti-CCP SST ☐ 1459 Digoxin SST ☐ 1061 Lead RLB ☐ 517 T3 Free SST ☐ 1456 Anti-Müllerian Hormone (AMH) SST ☐ 1259 EPO Panel SST ☐ 523 LH SST ☐ 537 T3 Total SST ☐ 1461 Anti-Streptolysin O (ASO) Antibodies SST ☐ 407 ESR or Sedimentation Rate L ☐ 33 Lipase SST ☐ 540 T3 Uptake SST ☐ 932 Anti-TPO Ab SST ☐ 513 Estradiol SST ☐ 34 Lipid Panel SST ☐ 518 T4 Free SST ☐ 358 Anti-TG Ab SST ☐ 23 Fasting Blood Sugar G ☐ 1458 Lithium, Serum SST ☐ 532 T4 Total - Thyroxine SST ☐ 1904 Apolipoprotein A1 SST ☐ 514 Ferritin SST ☐ 1071 Lp(a)mass SST ☐ 328 TNG SST ☐ 1307 Apolipoprotein B SST ☐ 515 Folate SST ☐ 1241 Lp-PLA2 Activity Assay* SST ☐ 539 Testosterone Total SST ☐ 5 AST (SGOT) SST ☐ 1332 Fructosamine SST ☐ 1343 Lyme Screen Total w/Ref to IgG/IgM SST ☐ 1198 Testosterone Free SST ☐ 7 Basic Metabolic Panel SST ☐ 516 FSH SST ☐ 36 Magnesium Serum SST ☐ 43 TBIC SST ☐ 520 Beta HCG - Serum SST ☐ 24 GGT SST ☐ 1400 Methylmalonic Acid SST ☐ 44 Total Protein Serum SST ☐ 21 Bilirubin Direct (DBil) SST ☐ 25 Glucose Serum SST ☐ 1002 Microalbumin Urine UC ☐ 1355 Transferrin SST ☐ 42 Bilirubin Total (Tbil) SST ☐ 401 Glyco High A1C ☐ 1344 Microalbumin/Creatinine ratio UC ☐ 940 Treponema pallidum Ab Cascade SST ☐ 1032 BNP PL ☐ 1244 1,5-Anhydroglucitol (1,5-AG) SST ☐ 200 MMR + V IgG SST ☐ 1426 Trichomonas vaginalis, NAA UC ☐ 10 BUN / Creatinine Ratio SST ☐ 28 HDL SST ☐ 1483 Mononucleosis Test, Qual SST ☐ 45 Triglycerides (Trig) SST ☐ 9 BUN (Urea Nitrogen) SST ☐ 1466 High Fractionation Cascade L ☐ 1465 Myoglobin SST ☐ 538 TSH (High Sensitivity) SST ☐ 947 Chlamydia trachomatis, NAA UC ☐ 963 Hs-Pyruvate SST ☐ 1162 Non-GTN Cytology, Urine UC ☐ 1451 TSI SST ☐ 1425 Chlamydia/Gonorrhea, NAA SST ☐ 29 Hepatic Function Panel SST ☐ 948 Neisseria gonorrhoeae, NAA UC ☐ 47 Uric Acid Serum SST ☐ 1319 Complement C3 SST ☐ 543 Hepatitis A IgM SST ☐ 1457 NT-proBNP SST ☐ 51 Uric Acid, Urine UC ☐ 484 Complement C4 SST ☐ 521 Hepatitis A Total Ab SST ☐ 1004 Occult Blood FECEES ☐ 1005 Urinalysis Complete UC ☐ 1310 CA 15.3 SST ☐ 548 Hepatitis B Core IgM Ab SST ☐ 37 Phosphorus Serum SST ☐ 1460 Valproic Acid SST ☐ 1361 CA - 19.9 SST ☐ 544 Hepatitis B Core Ab SST ☐ 701 Potassium, Plasma GREEN ☐ 1414 Vitamin A PL ☐ 505 CA - 125 SST ☐ 1384 Hepatitis Be Ag SST ☐ 1464 Prolactin SST ☐ 1406 Vitamin B1 PL ☐ 1454 CA 27.29 SST ☐ 1385 Hepatitis Be Ab SST ☐ 525 Progesterone Total SST ☐ 1408 Vitamin B2 PL ☐ 1314 Cardio C - Reactive Protein SST ☐ 546 Hepatitis Be Ag SST ☐ 526 Prolactin SST ☐ 1409 Vitamin B5 PL ☐ 405 CBC (w/ diff & platelet count) L ☐ 547 Hepatitis C Total Ab SST ☐ 1467 Protein Electrophoresis, Serum SST ☐ 1404 Vitamin B6 PL ☐ 507 CEA SST ☐ 108 Hepatitis Profile SST ☐ 1468 Protein Electrophoresis, Urine UC ☐ 541 Vitamin B12 SST ☐ 565 Celiac Disease Panel SST ☐ 1381 Hb 1/2 SST ☐ 501 PSA Free SST ☐ 1421 Vitamin C GR ☐ 13 Cholesterol SST ☐ 522 Homocysteine SST ☐ 528 PSA Total SST ☐ 4 Vitamin D, 25 Hydroxy SST ☐ 1452 CK-MB SST ☐ 1044 Hb 1/2 Ab SST ☐ 527 PSA Total & Free SST ☐ 1076 1,25 Dihydroxy Vitamin D SST ☐ 1401 Coenzyme Q10 PL ☐ 609 IGF-1 SST ☐ 403 PT/INR B ☐ 1405 Vitamin E SST			

*Note: The provided ICD-10 codes are listed as a convenience. Ordering practitioners should report the diagnosis code that best describes the reason for performing the test, regardless of whether the code is listed above or not.

Additional Tests: _____

PHYSICIAN SIGNATURE _____ DATE: ____/____/____

001-BL-08/25



Panels

PANEL DESCRIPTION				
Any of the tests listed in test combinations/panels may be ordered individually.				
100 CARDIAC RISK PANEL BNP Triglycerides Cholesterol HDL LDL Direct Apolipoprotein A-1 & B hsCRP Homocysteine Lp-PLA2 Activity Assay* Creatinine Kinase Lp (a) mass	VB-Vitamin B Deficiency Vitamin B12 Vitamin B2 Vitamin B3 Vitamin B5 Vitamin B6 Vitamin B1	**804 ALLERGY CARE PROFILE T1 Maple T22 Pecan T3 Birch T6 Mountain Cedar T7 Oak T8 Elm W10 Lamb's Quarters W14 Rough Pigweed W18 Sheep Sorrel W1 Common Ragweed W20 Nettle W6 Mugwort W9 English Plantain F1 Egg White F105 Chocolate F13 Peanut F14 Soybean F17 Hazelnut F2 Milk F20 Almond		
101 HEALTH SCREEN I MALE 101M CBC Basic Metabolic Panel Lipid Panel Homocysteine Hepatic Panel Transferrin TIBC Vitamin B12, Folate TSH, T4, T3 GGT Magnesium Ferritin Vitamin D - 25 OH Uric Acid Urinalysis Complete PSA Total Testosterone Total Lp-PLA2 Activity Assay*		FEMALE 101F CBC Basic Metabolic Panel Lipid Panel Homocysteine Hepatic Panel Transferrin TIBC Vitamin B12, Folate TSH, T4, T3 GGT Magnesium Ferritin Vitamin D - 25 OH Uric Acid Urinalysis Complete Lp-PLA2 Activity Assay*		**ADDITIONAL ALLERGENS AVAILABLE FOR MORE INFORMATION AND ORDER PLEASE CALL SMA LAB (877)697-6252
102 MALE HORMONE SCREEN Testosterone Total Testosterone Free Estradiol Progesterone DHEA-SO4 SHBG Prolactin PSA Total	103 FEMALE HORMONE SCREEN FSH LH Prolactin Progesterone Estradiol Testosterone Total SHBG DHEA-SO4	Zz CARDIO PROFILE Lipid Panel Apo A1, Apo B Lp-PLA2* Hs-CRP BNP Insulin Vitamin D-25 OH Homocysteine Ferritin Folate Magnesium, serum Creatinine Kinase Fibrinogen Lp(a) mass Uric Acid MPO Coenzyme Q10 F2-Isoprostanne/Creatinine Aspirin Works NMR profile	110 ABDOMINAL PAIN PANEL CBC (w/diff & platelet count) Basic Metabolic Panel Hepatic Function Panel Amylase Serum Lipase Hepatitis Panel Occult Blood, Stool Card H.Pylori IgG ESR or Sedimentation Rate C-Reactive Protein (CRP) Urinalysis Complete (dipstick and microscopic) CA - 19.9 AFP (Tumor Marker) CEA	112 THYROID DISORDERS CBC with differential BMP Hepatic Function Panel Lipid Panel TSH T4 Free TT3 Creatinine Kinase Anti-TPO Ab Anti-TG Ab
399 FEMALE WEIGHT LOSS PANEL Estradiol Progesterone TSH Free T4 Free T3 Total Testosterone DHEA-SO4 Glucose Triglycerides Total Cholesterol LDL (low-density lipoprotein) HDL (high-density lipoprotein) C-reactive Protein Liver Function Kidney Function Complete Blood Cell Counts Homocysteine Hepatitis C Urinalysis Complete	400 MALE WEIGHT LOSS PANEL Total Testosterone Estradiol DHEA-SO4 TSH Free T4 Free T3 Glucose Triglycerides Total Cholesterol LDL (low-density lipoprotein) HDL (high-density lipoprotein) C-reactive Protein Liver Function Kidney Function Complete Blood Cell Counts PSA (prostate-specific antigen) Homocysteine Hepatitis C Urinalysis Complete	1050 HEAVY METALS, URINE Aluminum Arsenic Cadmium Chromium Cobalt Copper Lead Manganese Mercury Thallium Zinc	77 EPSTEIN-BARR VIRUS SCREEN EBV VCA IgM EBV VCA IgG EBV to Early Antigen EBV to Nuclear Antigen-1 ESR (Sedimentation Rate) Syphilis Ab Cascading Reflex	1016 HEAVY METALS (RLB) Aluminum Arsenic Barium Beryllium Cadmium Cobalt Copper Manganese Molybdenum Nickel Lead Antimony Selenium Tin Thallium Tungsten Zinc Mercury
118 Systemic Lupus Erythematosus Profile ANA PROFILE, MFIA Complement C3 Complement C4 Rheumatoid Factor	1478 ANCA Profile Anti-MPO ANTI-PR3 ANTI-GMB	111 DIABETIC SCREEN CBC (w/diff & platelet count) Basic Metabolic Panel Hepatic Function Panel Glyco Hgb A1c Lipid Profile Microalbumin Urine Urinalysis Complete (dipstick and microscopic) Fructosamine Glyco Mark		
113 OBESITY PANEL CBC (w/diff & platelet count) BMP Hepatic Function Panel TSH Free T4 Lipid Panel Insulin Glyco Hgb A1c				
107 ANEMIA SCREEN CBC Vitamin B12 & Folate Ferritin Methylmalonic Acid TIBC Reticulocyte Count				
114 DEPRESSION SCREEN CBC (w/diff & platelet count) Basic Metabolic Panel Hepatic Function Panel TSH (High Sensitivity) Vitamin B12 Folate Vitamin D, 25 Hydroxy				
115 STD SCREENING Hepatitis Panel HIV1/2 Syphilis Ab Cascading Reflex HSV 1/2 Ab CT/NG, NAA Urine Trichomonal Infection				
116 ARTHRITIS EVAL/ AUTOIMMUNE DX SCREENING ESR or Sedimentation Rate C-Reactive Protein Rheumatoid Factor ANA Profile CBC (w/diff & platelet count) Comp Metabolic Panel Lyme Screen IgG/ IgM Complement C3 Complement C4 Syphilis Ab Cascading Reflex CT/NG, NAA				
SPECIMEN TYPE KEY SST = Serum Separator L = Lavender Top UC = Urine Cup R = Red Top (No Barrier) G = Grey Top WT = White Top (PPT Tube) RLB = Royal Blue SC= Stool Card PL= Plasma Lavender B=Blue Top GR=Green Top				



Panels

399 FEMALE WEIGHT LOSS PANEL

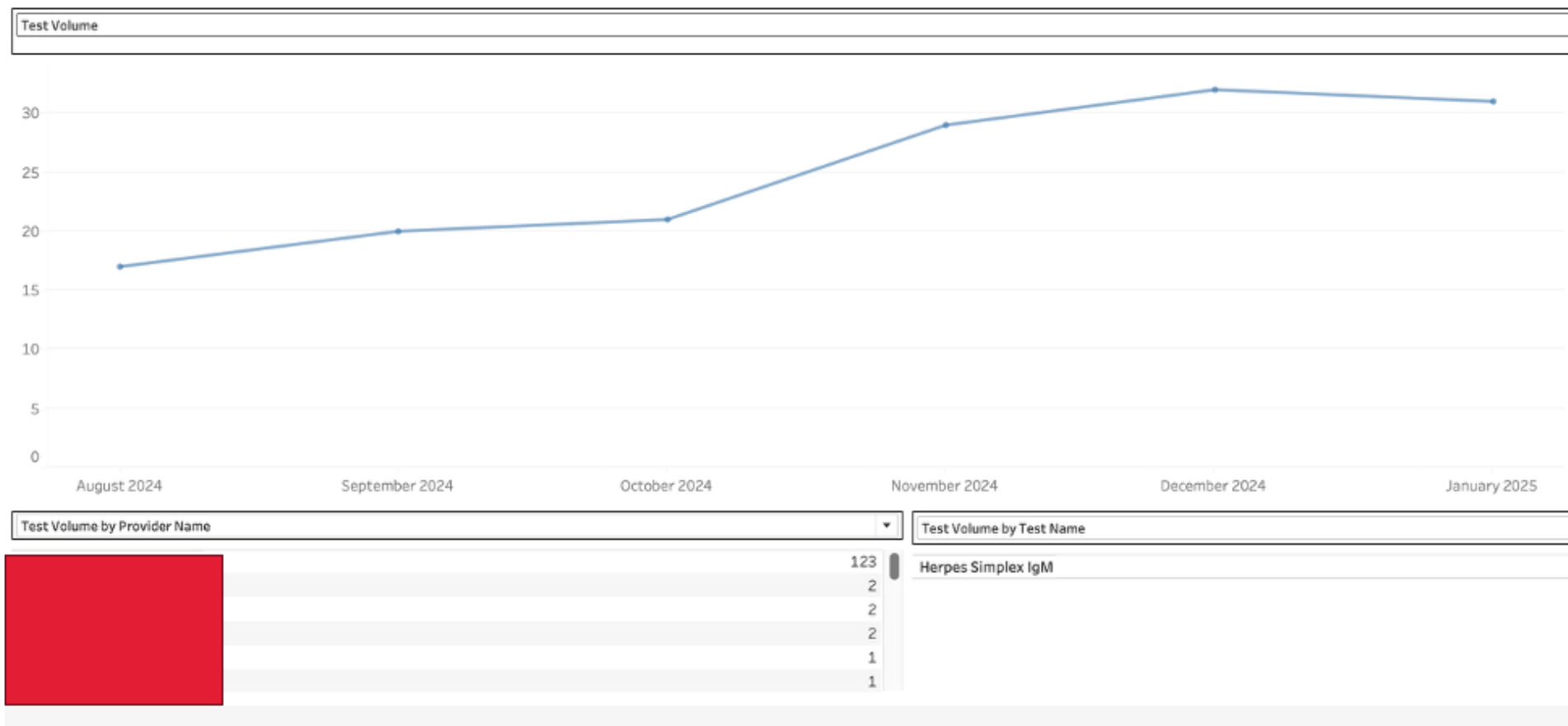
Estradiol
Progesterone
TSH
Free T4
Free T3
Total Testosterone
DHEA SO4
Glucose
Triglycerides
Total Cholesterol
LDL (low-density lipoprotein)
HDL (high-density lipoprotein)
C-reactive Protein
Liver Function
Kidney Function
Complete Blood Cell Counts
Homocysteine
Hepatitis C
Urinalysis Complete

400 MALE WEIGHT LOSS PANEL

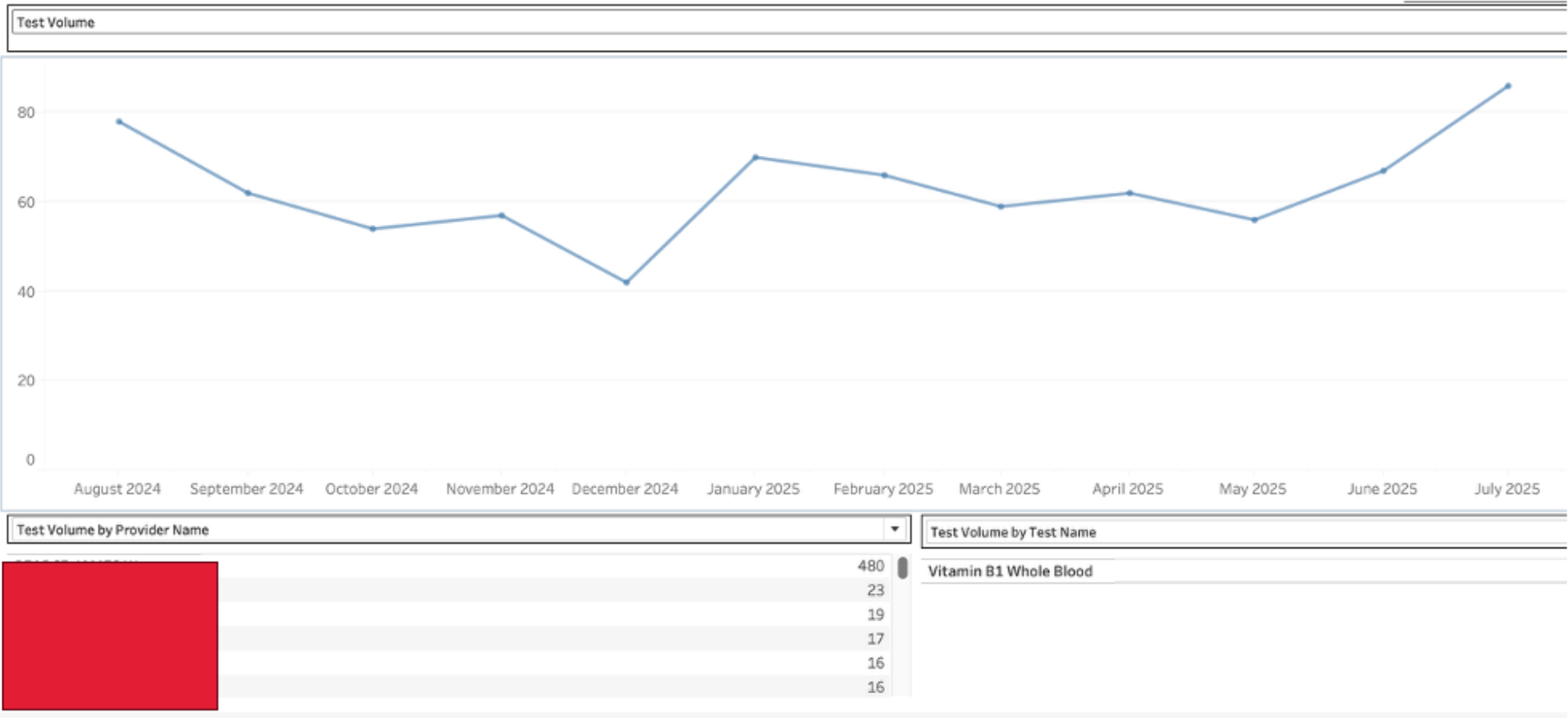
Total Testosterone
Estradiol
DHEA SO4
TSH
Free T4
Free T3
Glucose
Triglycerides
Total Cholesterol
LDL (low-density lipoprotein)
HDL (high-density lipoprotein)
C-reactive Protein
Liver Function
Kidney Function
Complete Blood Cell Counts
PSA (prostate-specific antigen)
Homocysteine
Hepatitis C
Urinalysis Complete



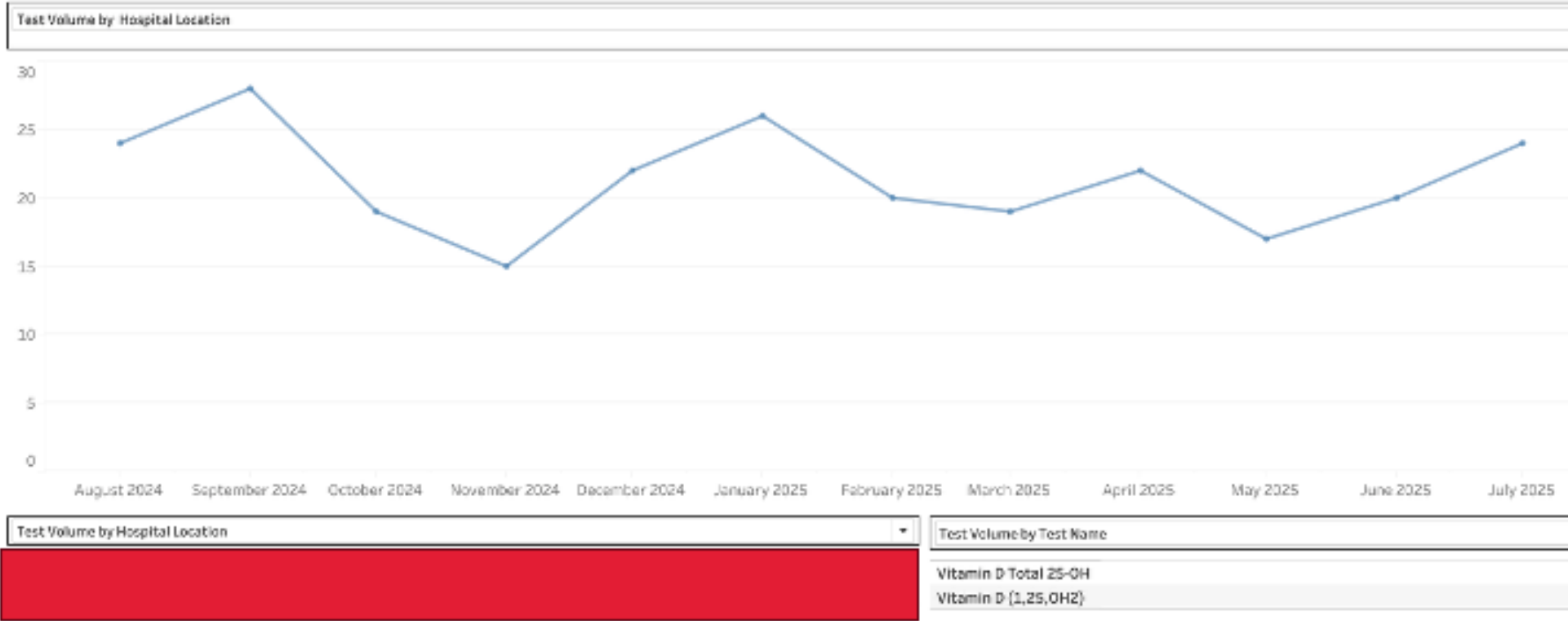
Physician Ordering Behavior



Physician Ordering Behavior



Physician Ordering Behavior (LCD)



Physician Ordering Behavior

Medicare Local Coverage Determination Policy

Coverage Policy

L37535: Vitamin D Assay Testing

CPT: 82306, 82652

Revision Effective Date: 10/01/2021

Coverage Indications, Limitations, and/or Medical Necessity

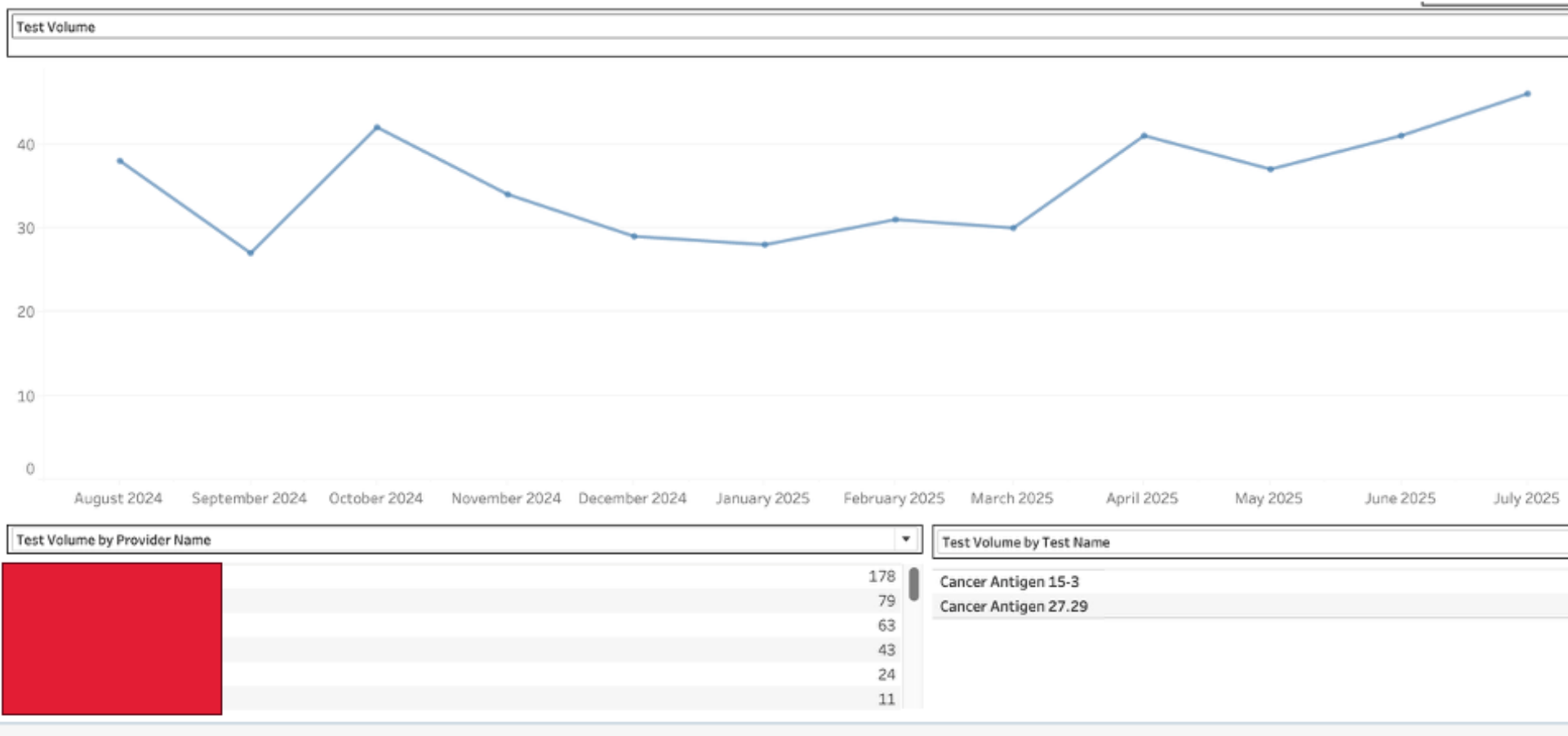
Hypovitaminosis D may result from inadequate intake, insufficient sunlight, malabsorption, liver, kidney and genetic disease. It results in the inadequate mineralization of bone. The CDC reported approximately 300,000 hip fractures, 60,000 fall-related deaths and 33 billion dollars in health care expenditures in 2014. This LCD identifies the indications and limitations of Medicare coverage for Vitamin D; 25 hydroxy and Vitamin D; 1, 25 dihydroxy laboratory assays in the medical management of patients.

Limitations

- Both assays of vitamin D need not be performed for each of the above conditions.



Physician Ordering Behavior (LCD)



Physician Ordering Behavior



***Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)***

190.29 - Tumor Antigen by Immunoassay CA 15-3/CA 27.29

Description

Immunoassay determinations of the serum levels of certain proteins or carbohydrates serve as tumor markers. When elevated, serum concentration of markers may reflect tumor size & grade. This policy specifically addresses the following tumor antigens: CA 15-3 and CA 27.29

Indications

Multiple tumor markers are available for monitoring the response of certain malignancies to therapy and assessing whether a residual tumor exists post-surgical therapy. CA 15-3 is often medically necessary to aid in the management of patients with breast cancer. Serial testing must be used in conjunction with other clinical methods for monitoring breast cancer. For monitoring, if medically necessary, **use consistently either CA 15-3 or CA 27.29, not both.** CA 27.29 is equivalent to CA 15-3 in its usage in management of patients with breast cancer.





<https://criticalvalues.org/news/item/2023/01/05/office-of-inspector-general-laboratory-stewardship-is-mandatory>

OFFICE OF INSPECTOR GENERAL:
**Laboratory Stewardship
is Mandatory**

By Andrew Fletcher, MD, MBA, CPE, CHCQM





Medical Necessity and Billing Practices

Accurate Coding Requirements

Laboratories must use correct CPT/HCPCS and ICD-9CM codes matching ordered and performed tests to ensure compliance.

Physician Documentation

Requisition forms should require ordering providers to document medical necessity including diagnosis codes for each ordered test.

Compliance and Monitoring

Laboratories should monitor test utilization data and provide notices to ordering providers to prevent fraud and billing errors.



Risk Assessments, Auditing and Monitoring



Risk Assessment

OIG Voluntary Compliance Guidance

program and should be conducted at least annually.



Tip

Entities that want to conduct compliance risk assessments more often should ensure that they dedicate the necessary time and resources for each compliance risk assessment they perform during the year.

A formal compliance risk assessment process should pull information about risks from a variety of external and internal sources, evaluate and prioritize them, and then decide which risks to address and how to address them. The Compliance Committee should be responsible for conducting and implementing the compliance risk assessment. The Compliance Committee may find it helpful to have compliance, audit, **quality**, and risk management functions coordinate to conduct a joint risk assessment to maximize the use of entity resources and reduce the number and potential redundancy of such assessments. With this information, the Compliance Committee can work with the compliance officer to prioritize resources and develop the compliance work plan, including audits and monitoring of identified risks based on priority. (Some entity functions, such as audit, may need to perform additional risk assessments to satisfy other requirements, such as fulfilling federal grant, contract, and other award obligations under 45 CFR § 75.303, for example.)

CIA Example Requirement

F. Risk Assessment and Internal Review Process. Within 90 days after the Effective Date, [redacted] shall develop and implement a centralized annual risk assessment and internal review process to identify and address the Anti-Kickback Statute and Stark Law risks associated with Arrangements and Precision's participation in the Federal health care programs, including but not limited to the risks associated with the submission of claims for items and services furnished to Medicare and Medicaid program beneficiaries. The Compliance Committee shall be responsible for implementation and oversight of the risk assessment and internal review process.

13

Corporate Integrity Agreement –

The risk assessment and internal review process shall be conducted at least annually and shall require [redacted] to: (1) identify and prioritize risks; (2) develop work plans or audit plans (as appropriate) related to the identified risk areas; (3) implement the work plans and audit plans; (4) develop corrective action plans in response to the results of any internal audits performed; and (5) track the implementation of the work plans and any corrective action plans and assess the effectiveness of such plans.



Know and Understand Your Data

57

Entities should consider using data analytics, i.e., analyzing its data, to identify compliance risk areas. All entities, regardless of size, should have access to the data they generate, either directly or through a third party, such as a billing contractor. Data analytics efforts may range from simple to complex depending on an entity's volume of data as well as the entity's data analytics capabilities and resources.



All entities should be able to compare standard metrics of their health care operations internally to determine whether there are any outliers in any particular area of focus. Entities may use commonly available spreadsheet software to analyze their data. Other software programs that entities already use, such as billing software and electronic health records, may also have components that allow entities to analyze the data they contain. Larger entities or those with more capabilities or resources should run more sophisticated data analytics processes to assess any compliance risks presented by their operations. Analyzing data allows entities to identify possible risk areas by highlighting outliers or other data trends indicating potential noncompliance.

Between compliance risk assessments, the compliance officer should continue to scan for unidentified or new risks, by, for example, monitoring for legal and regulatory changes, enforcement actions and OIG work plan developments, and new entity acquisitions, strategies, or initiatives, and evaluating audits and investigation results. When the compliance officer or the Compliance Committee identifies a new risk, the risk should be assessed with the same methods used in the compliance risk assessment. Based on this information, the Compliance Committee can decide whether and how to address the newly identified risk.

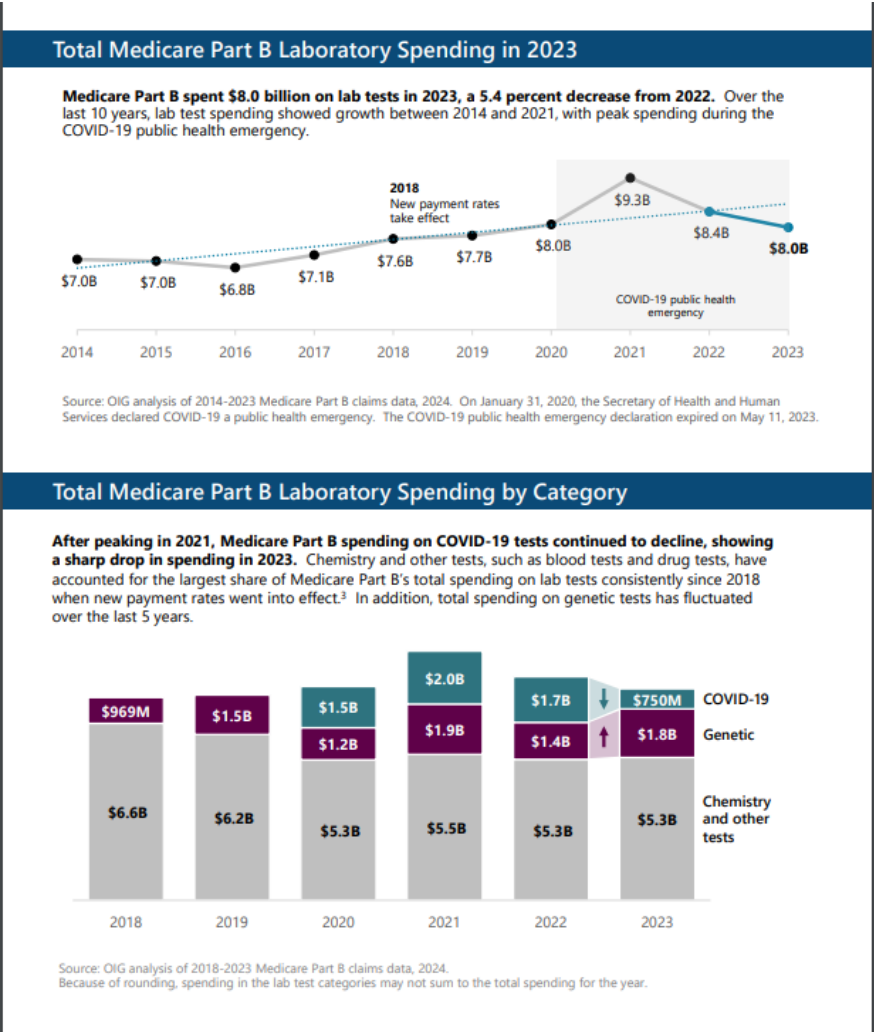


RAT-STATS - Statistical Software

REFERENCED IN VOLUNTARY ICPG

“ASSISTS THE USER IN SELECTING RANDOM SAMPLES AND ESTIMATING IMPROPER PAYMENTS.”





OIG Report Cont.

	Test Description (Procedure Code)	2023 payment rate	2023 volume (millions)	Volume change from 2022	2023 spending (millions)
1	Blood test, comprehensive group of blood chemicals (80053)	\$10.56	38.6	0%	\$405.1
2	Blood test, lipids (cholesterol and triglycerides) (80061)	\$13.39	25.3	-1% ↓	\$332.3
3	Blood test, thyroid stimulating hormone (TSH) (84443)	\$16.80	19.2	0%	\$316.0
4	Genetic test: Gene analysis (colorectal cancer) (81528)	\$508.87	0.6	13% ↑	\$301.0
5	Detection test by nucleic acid for organism, amplified probe technique (87798)	\$35.09	8.5	32% ↑	\$292.4
6	Complete blood cell count (red cells, white blood cells, platelets), automated (85025)	\$7.77	36.5	-1% ↓	\$282.3
7	Vitamin D-3 level (82306)	\$29.60	8.7	-2% ↓	\$250.9
8	Hemoglobin A1C level (83036)	\$9.71	18.4	0%	\$176.0
9	Genetic test: Test for detecting genes associated with cancer (81455)	\$2,919.60	0.05	59% ↑	\$145.2
10	Drug test(s), definitive, 22 or more drug class(es) (G0483)	\$246.92	0.6	-13% ↓	\$145.1
11	Testing for presence of drug, by chemistry analyzers (80307)	\$62.14	2.1	-8% ↓	\$129.1
12	COVID-19 test: Infectious agent detection by nucleic acid (DNA or RNA); severe acute (U0003)	\$75.00	1.6	-83% ↓	\$115.0
13	Drug test(s), definitive, 15-21 drug class(es) (G0482)	\$198.74	0.6	-9% ↓	\$110.5
14	Genetic test: Gene analysis of 55-74 genes associated with solid organ cancer in cell-free (0242U)	\$5,000.00	0.02	31% ↑	\$104.8
15	COVID-19 test: Detection test by multiplex amplified probe technique for severe acute (87637)	\$142.63	0.7	New to top 25	\$103.6
16	Parathormone (parathyroid hormone) level (83970)	\$41.28	2.6	1% ↑	\$103.1
17	Genetic test: Test for detecting genes associated with breast cancer (81519)	\$3,873.00	0.03	2% ↑	\$94.7
18	Cyanocobalamin (vitamin B-12) level (82607)	\$15.08	6.2	5% ↑	\$91.9
19	COVID-19 test: Respiratory infectious agent detection by RNA for severe acute respiratory (0241U)	\$142.63	0.6	-1% ↓	\$79.9
20	Blood test, basic group of blood chemicals (calcium, total) (80048)	\$8.46	9.3	-4% ↓	\$79.4
21	Drug test(s), definitive, 1-7 drug class(es) (G0480)	\$114.43	0.7	-4% ↓	\$77.8
22	COVID-19 test: Amplified DNA or RNA probe detection of severe acute respiratory syndrome (87635)	\$51.31	1.5	-17% ↓	\$76.4
23	PSA (prostate specific antigen) measurement, total (84153)	\$18.39	4.2	0%	\$76.2
24	Genetic test: mRNA gene expression analysis of 22 genes in prostate tumor tissue (81542)	\$3,873.00	0.02	New to top 25	\$71.7
25	Drug test(s), definitive, 8-14 drug class(es) (G0481)	\$156.59	0.5	New to top 25	\$70.5
Total Medicare Part B spending on the top 25 lab tests in 2023: \$4.0 billion					

Sources: OIG analysis of 2022–2023 spending on lab tests in Medicare Part B, 2024. Payment rates are from the 2023 CLFS. CPT copyright



Internal Auditing & Monitoring

1998 Guidance: Audit laboratory's compliance with laws governing kickbacks arrangements, physician self-referral prohibition, coding and billing, claim submission, medical necessity and marketing¹

2. Auditing and Monitoring

The Compliance Committee should include in the compliance work plan a schedule of audits to be conducted based on risks identified by the annual risk assessment. The Compliance Committee also should ensure that the compliance officer has the capacity to perform or oversee additional audits based on risks identified throughout the year, for example, as part of an investigation into an overpayment that uncovers a potential systemic issue. The audits may be conducted by internal or external auditors who have expertise in Federal and State health care statutes, regulations, and Federal health care program requirements.



Tip

Medicare requires, as a condition of payment, that items and services be medically reasonable and necessary. Therefore, entities should ensure that any claims reviews and audits include a review of the medical necessity of the item or service by an appropriately credentialed clinician. Entities that do not include clinical review of medical necessity in their claims audits may fail to identify important compliance concerns relating to medical necessity.



Poll 2:

Do you currently monitor your tests on a periodic basis to review medical necessity and test utilization?

- Yes
- No
- Not sure



Healthcare Fraud – Considerations for Test Utilization

- Nature of items or services provided: Are the items and services actually needed and rendered, commercially reasonable, and necessary to achieve a legitimate business purpose?
- Federal program impact: (a) Does the remuneration have the potential to affect costs to any of the Federal health care programs or their beneficiaries? (b) Could the remuneration lead to overutilization or inappropriate utilization?



Healthcare Fraud – Considerations for Test Utilization

- Clinical decision making. (a) Does the arrangement or practice have the potential to interfere with, or skew, clinical decision making? (b) Does the arrangement or practice raise patient safety or quality of care concerns? (c) Could the payment structure lead to cherry-picking healthy patients or lemon-dropping patients with chronic or other potentially costly conditions to save on costs?
- Steering. Does the arrangement or practice raise concerns related to steering patients or health care entities to a particular item or service, or steering to a particular health care entity to provide, supply, or furnish items or services?



1998 ICPG – “Test Utilization Monitoring”

- “There are many methods by which a laboratory may determine excessive utilization of laboratory services”
 - Hire an outside consultant to analyze patterns of utilization and investigate any potential problems or aberrancies
- Analyze test utilization data by CPT or HCPCS code for the top 30 tests performed each year
 - “We believe that if a test’s utilization grows more than 10 percent, the laboratory should undertake a reasonable inquiry to ascertain the cause of such growth”
- Increase in utilization caused by physician ignorance or misunderstanding not acceptable

45076 Federal Register / Vol. 63, No. 163 / Monday, August 24, 1998 / Notices

Written comments and recommendations concerning the proposed information collection should be sent within 30 days of this notice to: Laura Oliven, Human Resources and Housing Branch, Office of Management and Budget, New Executive Office Building, Room 10235, Washington, D.C. 20503.

Dated: August 17, 1998.

Jane Harrison,
Director, Division of Policy Review and Coordination.
[FR Doc. 98-22575 Filed 8-21-98; 8:45 am]
BILLING CODE 4160-15-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Health Resources and Services Administration
Advisory Council; Notice of Meeting

In accordance with section 10(a)(2) of the Federal Advisory Committee Act (Pub. L. 92-463), announcement is made of the following National Advisory body scheduled to meet during the month of September 1998.

Name: National Advisory Committee on Rural Health.
Date and Time: September 13, 1998; 5:00 p.m.-6:30 p.m.; September 14-15, 1998; 8:30 a.m.-5:00 p.m.; September 16, 1998; 8:30 p.m.-11:30 a.m.
Place: Holiday Inn, Georgetown, 2101 Wisconsin Avenue, Washington, DC 20007.
Phone: (202) 338-4600. FAX: (202) 333-6113.

The meeting is open to the public. Agenda: A special session will be conducted on Sunday, September 13, for orientation of new members who were just appointed. Monday will include a panel discussion of "Rural Researchers' Access to National Health Survey Data," a presentation and discussion of the new guidelines for designating HPSAs, and a report on "Critical Access Hospitals." Tuesday will include legislative, telehealth, and regulatory updates. A presentation and discussion on the "National Bipartisan Commission on the Future of Medicare" will be followed by a discussion of Department interests and priorities for FY 1999. Agenda items are subject to change as priorities dictate.

Anyone requiring information regarding the subject Committee should contact Ms. Arlene A. Granderson, Office, or Rural Health Policy, Health Resources and Services Administration, Room 9-05, Parklawn Building, Rockville, Maryland 20857; telephone (301) 443-0835; FAX (301) 443-2803. Persons interested in attending any portion of the meeting or having questions regarding the meeting should contact Ms. Arlene Granderson or Ms. Lilly Sinetana, Office of Rural Health Policy, Health Resources and Services Administration, telephone (301) 443-0835.

Dated: August 17, 1998.

Jane M. Harrison,
Director, Division of Policy Review and Coordination.
[FR Doc. 98-22576 Filed 8-21-98; 8:45 am]
BILLING CODE 4160-15-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Office of Inspector General
Publication of OIG Compliance Program Guidance for Clinical Laboratories

AGENCY: Office of Inspector General (OIG), HHS.

ACTION: Notice.

SUMMARY: This Federal Register notice sets forth the OIG's recently-issued Compliance Program Guidance for Clinical Laboratories. The OIG had previously developed and published a model compliance plan for the clinical laboratory industry on March 3, 1997. This Compliance Program Guidance for Clinical Laboratories is intended to be more consistent with compliance program guidances issued by the OIG with respect to the hospital industry and to home health agencies, and serves to clarify various aspects of the original model plan. As with previously-issued compliance program guidances, we believe that the development of this guidance for clinical laboratories will continue as a positive step towards promoting a higher level of ethical and lawful conduct throughout the entire health care community.

FOR FURTHER INFORMATION CONTACT: Christine Saxonis, Office of Counsel to the Inspector General, (202) 619-2078.

SUPPLEMENTARY INFORMATION: As part of a major initiative to engage the private health care community in combating fraud and abuse, the OIG developed and published in the Federal Register a model compliance plan for the clinical laboratories (62 FR 9435; March 3, 1997). The compliance plan was intended to provide clear guidance to that aspect of the clinical laboratory industry that was interested in reducing fraud and abuse within their organizations. Since that issuance, the OIG has developed and issued specific compliance program guidance for the hospital industry and for home health agencies.

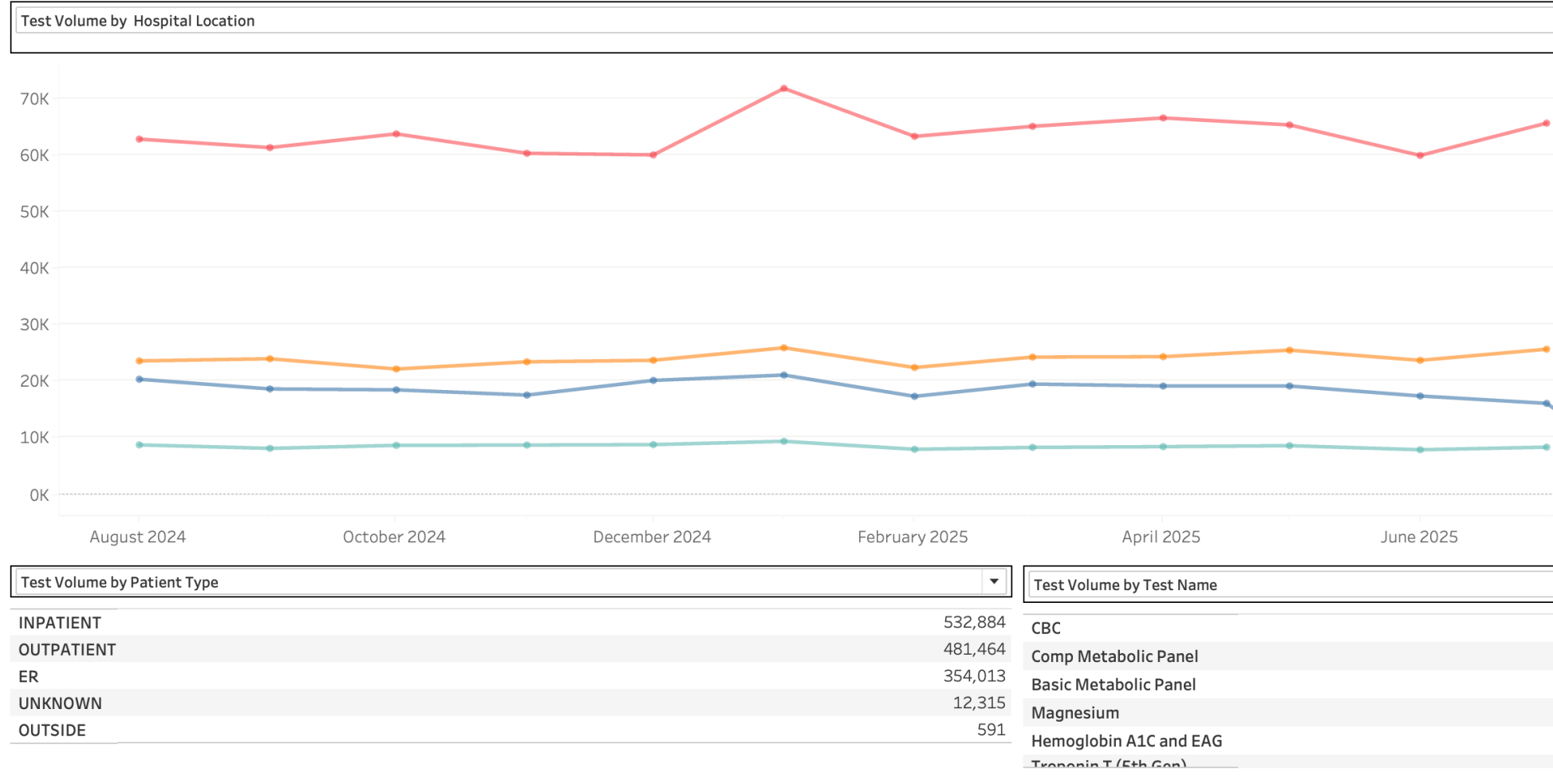
This compliance program guidance is intended to refine and build on the original model guidance plan for clinical laboratories. In developing an effective compliance program, the OIG has identified 7 fundamental elements. They are:

- Implementing written policies, procedures and standards of conduct;
- Designing a compliance officer and compliance committee;
- Conducting effective training and education;
- Developing effective lines of communication;
- Enforcing standards through well-publicized disciplinary guidelines;
- Conducting internal monitoring and auditing; and
- Responding promptly to detected offenses and developing corrective action.

The development of this new Compliance Program Guidance for Clinical Laboratories has been enhanced



Test Utilization Monitoring



Medical Necessity & Test Utilization Monitoring

L. Testing Monitoring

██████████ shall create and maintain a report of all orders for Testing by Ordering Providers (Testing Report). The Testing Report shall include at least the following information: (a) specific type of testing ordered, (b) patient's name, (c) Ordering Provider name (d) date the testing was ordered, and (e) reason the testing was ordered (including relevant diagnosis code). Order/requisition forms shall be modified to capture all information required for the Testing Report.

On a monthly basis, the Compliance Officer shall review the Testing Report with the Medical Director (Monthly Testing Review) to determine whether, by Ordering Provider: (a) the entries contain the required information and (b) the Ordering Provider does not exhibit patterns and practices that may be inconsistent with standards for the medical reasonableness and necessity of the testing ordered. The Compliance Officer shall prepare a written summary of the findings of each Monthly Testing Review that describes the methodology used to perform the Monthly Testing Review and the results of the Monthly Testing Review.

On a quarterly basis, the Compliance Officer, Medical Director, and Compliance Committee shall review the Testing Report to identify trends or outlier Ordering Providers for further review (Quarterly Testing Review), including but not limited to: (a) providers whose testing frequency, patterns, or practices appear to be beyond what is medically reasonable and

17

Corporate Integrity Agreement –
██



Written comments and recommendations concerning the proposed information collection should be sent within 30 days of this notice to: Laura Oliven, Human Resources and Housing Branch, Office of Management and Budget, New Executive Office Building, Room 10235, Washington, D.C. 20503.

Dated: August 17, 1998.

Jane Harrison,
Director, Division of Policy Review and Coordination.

[FR Doc. 98-22575 Filed 8-21-98; 8:45 am]
BILLING CODE 4160-15-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Health Resources and Services Administration

Advisory Council; Notice of Meeting

In accordance with section 10(a)(2) of the Federal Advisory Committee Act (Pub. L. 92-463), announcement is made of the following National Advisory body scheduled to meet during the month of September 1998.

Name: National Advisory Council on the National Health Service Corps (NHSC).

Date and Time: September 9, 1998; 6:00 p.m.-9:00 p.m.; September 10-12, 1998; 9:00 a.m.-5:00 p.m.; September 13, 1998; 8:00 a.m.-11:00 a.m.

Place: Sheraton National Hotel, 900 South Orme Street, Arlington, VA 22204, (703) 521-1900.

The meeting is open to the public. **Agenda:** Items will include, but not be limited to: In preparation for the year 2000 reauthorization the National Advisory Council has developed a draft position paper, "The National Health Service Corps for the 21st Century." Reactions, suggestions and criticisms to this paper will be heard from public and private partners and other interested organizations on September 10-12. Copies of the draft paper will be available at the meeting. Other agenda items include updates on the NHSC program.

For further information, call Ms. Eve Morrow at (301) 594-4144.

Agenda items are subject to change as priorities dictate.

Dated: August 17, 1998.

Jane M. Harrison,
Director, Division of Policy Review and Coordination.

[FR Doc. 98-22574 Filed 8-21-98; 8:45 am]
BILLING CODE 4160-15-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Health Resources and Services Administration

Advisory Council; Notice of Meeting

In accordance with section 10(a) (2) of the Federal Advisory Committee Act (Pub. L. 92-463), announcement is made of the following National Advisory body scheduled to meet during the month of September 1998.

Name: National Advisory Committee on Rural Health.

Date and Time: September 13, 1998; 5:00 p.m.-8:30 p.m.; September 14-15, 1998; 8:30 a.m.-5:00 p.m.; September 16, 1998; 8:30 p.m.-11:30 a.m.

Place: Holiday Inn, Georgetown, 2101 Wisconsin Avenue, Washington, DC 20007, Phone: (202) 338-4600, FAX: (202) 333-6113.

The meeting is open to the public. **Agenda:** A special session will be conducted on Sunday, September 13, for orientation of new members who were just appointed. Monday will include a panel discussion of "Rural Researchers' Access to National Health Survey Data," a presentation and discussion of the new guidelines for designating HPSAs, and a report on "Critical Access Hospitals." Tuesday will include legislative, telehealth, and regulatory updates. A presentation and discussion on the "National Bipartisan Commission on the Future of Medicare" will be followed by a discussion of Department interests and priorities for FY 1999. Agenda items are subject to change as priorities dictate.

Anyone requiring information regarding the subject Committee should contact Ms. Arlene A. Granderson, Office, or Rural Health Policy, Health Resources and Services Administration, Room 9-05, Parklawn Building, Rockville, Maryland 20857; telephone (301) 443-0835, FAX (301) 443-2803. Persons interested in attending any portion of the meeting or having questions regarding the meeting should contact Ms. Arlene Granderson or Ms. Lilly Smetana, Office of Rural Health Policy, Health Resources and Services Administration, telephone (301) 443-0835.

Dated: August 17, 1998.

Jane M. Harrison,
Director, Division of Policy Review and Coordination.

[FR Doc. 98-22576 Filed 8-21-98; 8:45 am]
BILLING CODE 4160-15-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Office of Inspector General

Publication of OIG Compliance Program Guidance for Clinical Laboratories

AGENCY: Office of Inspector General (OIG), HHS.

ACTION: Notice.

SUMMARY: This **Federal Register** notice sets forth the OIG's recently-issued Compliance Program Guidance for Clinical Laboratories. The OIG had previously developed and published a model compliance plan for the clinical laboratory industry on March 3, 1997. This Compliance Program Guidance for Clinical Laboratories is intended to be more consistent with compliance program guidances issued by the OIG with respect to the hospital industry and to home health agencies, and serves to clarify various aspects of the original model plan. As with previously-issued compliance program guidances, we believe that the development of this guidance for clinical laboratories will continue as a positive step towards promoting a higher level of ethical and lawful conduct throughout the entire health care community.

FOR FURTHER INFORMATION CONTACT: Christine Saxonis, Office of Counsel to the Inspector General, (202) 619-2078.

SUPPLEMENTARY INFORMATION: As part of a major initiative to engage the private health care community in combating fraud and abuse, the OIG developed and published in the **Federal Register** a model compliance plan for the clinical laboratories (62 FR 9435; March 3, 1997). The compliance plan was intended to provide clear guidance to that aspect of the clinical laboratory industry that was interested in reducing fraud and abuse within their organizations. Since that issuance, the OIG has developed and issued specific compliance program guidance for the hospital industry and for home health agencies.

This compliance program guidance is intended to refine and build on the original model guidance plan for clinical laboratories. In developing an effective compliance program, the OIG has identified 7 fundamental elements. They are:

- Implementing written policies, procedures and standards of conduct;
- Designing a compliance officer and compliance committee;
- Conducting effective training and education;
- Developing effective lines of communication;
- Enforcing standards through well-publicized disciplinary guidelines;
- Conducting internal monitoring and auditing; and
- Responding promptly to detected offenses and developing corrective action.

The development of this new Compliance Program Guidance for Clinical Laboratories has been enhanced



FEDERAL REGISTER

The Daily Journal of the United States Government



Page 45081

Reliance on Standing Orders

- Have led too often to abusive practices
- Compliance program requires the lab to periodically monitor standing orders
- Fixed term of validity and must be renewed at their expiration





[Justice.gov](#) > [Office of Public Affairs](#) > [News](#) > [Press Releases](#) > [REDACTED] To Pay \$22 Million To Settle Claims Involving Medically Unnecessary Laboratory Tests and Fraudulent Billing Practices



This is archived content from the U.S. Department of Justice website. The information here may be outdated and links may no longer function. Please contact webmaster@usdoj.gov if you have any questions about the archive site.

PRESS RELEASE

[REDACTED] to Pay \$22 Million to Settle Claims Involving Medically Unnecessary Laboratory Tests and Fraudulent Billing Practices





PRESS RELEASE

[REDACTED] Clinic Agrees to Pay \$2.8 Million to Resolve Claims of Overbilling for Diagnostic Tests



Medical Necessity and Enforcement Actions

- Reference laboratory and its owners and officers entered into a settlement agreement to pay more than \$1.2 million to resolve allegations that they submitted false and fraudulent claims for medically unnecessary urine drug tests. Lab accepted tests from sober homes for “residential monitoring” and submitted claims for “medically unnecessary duplicative urine drug testing”.
- “[Lab] routinely performed more expensive CBC with WBC differential tests when, in fact, medical providers had ordered less expensive CBC with no WBC differential tests and then billed federal healthcare programs for the more expensive and medically unnecessary tests.”



Key Takeaways



Questions?



Andrew Fletcher, MD, MBA,
CPE, CHCQM, FCAP
Eutilogic

Andrew.fletcher@eutilogic.com



Danielle H. Tangorre, Esq
(JD/MS)

Partner, Robinson + Cole
dtangorre@rc.com

