



If a conflict arises between a Clinical Payment and Coding Policy ("CPCP") and any plan document under which a member is entitled to Covered Services, the plan document will govern. If a conflict arises between a CPCP and any provider contract pursuant to which a provider participates in and/or provides Covered Services to eligible member(s) and/or plans, the provider contract will govern. "Plan documents" include, but are not limited to, Certificates of Health Care Benefits, benefit booklets, Summary Plan Descriptions, and other coverage documents. BCBSNM may use reasonable discretion interpreting and applying this policy to services being delivered in a particular case. BCBSNM has full and final discretionary authority for their interpretation and application to the extent provided under any applicable plan documents.

Providers are responsible for submission of accurate documentation of services performed. Providers are expected to submit claims for services rendered using valid code combinations from Health Insurance Portability and Accountability Act ("HIPAA") approved code sets. Claims should be coded appropriately according to industry standard coding guidelines including, but not limited to: Uniform Billing ("UB") Editor, American Medical Association ("AMA"), Current Procedural Terminology ("CPT®"), CPT® Assistant, Healthcare Common Procedure Coding System ("HCPCS"), ICD-10 CM and PCS, National Drug Codes ("NDC"), Diagnosis Related Group ("DRG") guidelines, Centers for Medicare and Medicaid Services ("CMS") National Correct Coding Initiative ("NCCI") Policy Manual, CCI table edits and other CMS guidelines.

Claims are subject to the code edit protocols for services/procedures billed. Claim submissions are subject to claim review including but not limited to, any terms of benefit coverage, provider contract language, medical policies, clinical payment and coding policies as well as coding software logic. Upon request, the provider is urged to submit any additional documentation.

Diagnostic Testing of Influenza

Policy Number: CPCPLAB033

Version 1.0

Enterprise Clinical Payment and Coding Policy Committee Approval Date: July 5, 2023

Plan Effective Date: September 1, 2023

Description

BCBSNM has implemented certain lab management reimbursement criteria. Not all requirements apply to each product. Providers are urged to review Plan documents for eligible coverage for services rendered.

Reimbursement Information:

1. For diagnosis in patients who present in the outpatient setting with signs and symptoms consistent with influenza disease (See **NOTE 1**) when influenza activity has been documented in the community or geographic area, ONE, but NOT BOTH, of the following **may be reimbursable:**
 - a. One single rapid flu test—includes either a point-of-contact rapid nucleic acid amplification test (NAAT) or a rapid antigen test—OR

- b. One single traditional NAAT.
2. Viral culture testing for influenza in an outpatient setting **is not reimbursable**.
 3. In asymptomatic patients, outpatient influenza testing, including rapid antigen flu tests, rapid NAAT or RT-PCR tests, traditional RT-PCR tests, and viral culture testing **is not reimbursable**.
 4. Serology testing for influenza **is not reimbursable** under any circumstance.

Note 1: Typical Influenza Signs and Symptoms (CDC, 2020a)

- Fever: A 100.4°F or higher temperature or feeling feverish/chills AND one or more:
 - Cough
 - Sore throat
 - Headaches and/or body aches
 - Difficulty breathing or shortness of breath
 - Fatigue
 - Runny or stuffy nose

Procedure Codes

The following is not an all-encompassing code list. The inclusion of a code does not guarantee it is a covered service or eligible for reimbursement.

Codes
87804, 87400, 87501, 87502, 87503, 86710, 87275, 87276, 87631, , 87254

References:

- AAP. (2021). *Red Book® 2021-2024: Report of the Committee on Infectious Diseases, 32nd Edition*. <https://redbook.solutions.aap.org/Book.aspx?bookid=2591>
- Abraham, M. K., Perkins, J., Vilke, G. M., & Coyne, C. J. (2016). Influenza in the Emergency Department: Vaccination, Diagnosis, and Treatment: Clinical Practice Paper Approved by American Academy of Emergency Medicine Clinical Guidelines Committee. *J Emerg Med*, 50(3), 536-542. <https://doi.org/10.1016/j.jemermed.2015.10.013>
- Antoniol, S., Fidouh, N., Ghazali, A., Ichou, H., Bouzid, D., Kenway, P., Choquet, C., Visseaux, B., & Casalino, E. (2018). Diagnostic performances of the Xpert® Flu PCR test and the OSOM® immunochromatographic rapid test for influenza A and B virus among adult patients in the Emergency Department. *J Clin Virol*, 99-100, 5-9. <https://doi.org/10.1016/j.jcv.2017.12.005>
- Azar, M. M., & Landry, M. L. (2018). Detection of Influenza A and B Viruses and Respiratory Syncytial Virus by Use of Clinical Laboratory Improvement Amendments of 1988 (CLIA)-Waived Point-of-Care Assays: a Paradigm Shift to Molecular Tests. *J Clin Microbiol*, 56(7). <https://doi.org/10.1128/jcm.00367-18>
- Brankston, G., Gitterman, L., Hirji, Z., Lemieux, C., & Gardam, M. (2007). Transmission of influenza A in human beings. *Lancet Infect Dis*, 7(4), 257-265. [https://doi.org/10.1016/s1473-3099\(07\)70029-4](https://doi.org/10.1016/s1473-3099(07)70029-4)

Call, S. A., Vollenweider, M. A., Hornung, C. A., Simel, D. L., & McKinney, W. P. (2005). Does this patient have influenza? *Jama*, 293(8), 987-997. <https://doi.org/10.1001/jama.293.8.987>

CDC. (2017). *Rapid Influenza Diagnostic Tests*.
https://www.cdc.gov/flu/professionals/diagnosis/clinician_guidance_ridt.htm

CDC. (2019, 03/04/2019). *Influenza virus testing in investigational outbreaks in institutional or other closed settings*. Centers for Disease Control and Prevention.
<https://www.cdc.gov/flu/professionals/diagnosis/guide-virus-diagnostic-tests.htm>

CDC. (2020a, 08/31/2020). *Algorithm to Assist in Medical Office Telephone Evaluation of Patients with Possible Influenza*. Centers for Disease Control and Prevention. Retrieved 07/08/2022 from <https://www.cdc.gov/flu/professionals/antivirals/office-evaluation.htm>

CDC. (2020b, September 1). *Guide for considering influenza testing when influenza viruses are circulating in the community*. Centers for Disease Control and Prevention.
<https://www.cdc.gov/flu/professionals/diagnosis/consider-influenza-testing.htm>

Chartrand, C., Leeflang, M. M., Minion, J., Brewer, T., & Pai, M. (2012). Accuracy of rapid influenza diagnostic tests: a meta-analysis. *Ann Intern Med*, 156(7), 500-511.
<https://doi.org/10.7326/0003-4819-156-7-201204030-00403>

CMS. (2018, 01/04/2018). *TESTS GRANTED WAIVED STATUS UNDER CLIA*. Centers for Medicare & Medicaid Services. Retrieved 07/24/2018 from <https://www.cms.gov/Regulations-and-Guidance/Legislation/CLIA/Downloads/waivetbl.pdf>

Cooper, N. J., Sutton, A. J., Abrams, K. R., Wailoo, A., Turner, D., & Nicholson, K. G. (2003). Effectiveness of neuraminidase inhibitors in treatment and prevention of influenza A and B: systematic review and meta-analyses of randomised controlled trials. *Bmj*, 326(7401), 1235.
<https://doi.org/10.1136/bmj.326.7401.1235>

Cowling, B. J., Chan, K. H., Fang, V. J., Lau, L. L., So, H. C., Fung, R. O., Ma, E. S., Kwong, A. S., Chan, C. W., Tsui, W. W., Ngai, H. Y., Chu, D. W., Lee, P. W., Chiu, M. C., Leung, G. M., & Peiris, J. S. (2010). Comparative epidemiology of pandemic and seasonal influenza A in households. *N Engl J Med*, 362(23), 2175-2184. <https://doi.org/10.1056/NEJMoa0911530>

Cox, N. J., & Subbarao, K. (1999). Influenza. *Lancet*, 354(9186), 1277-1282.
[https://doi.org/10.1016/s0140-6736\(99\)01241-6](https://doi.org/10.1016/s0140-6736(99)01241-6)

Dobson, J., Whitley, R. J., Pocock, S., & Monto, A. S. (2015). Oseltamivir treatment for influenza in adults: a meta-analysis of randomised controlled trials. *Lancet*, 385(9979), 1729-1737.
[https://doi.org/10.1016/s0140-6736\(14\)62449-1](https://doi.org/10.1016/s0140-6736(14)62449-1)

Dolin, R. (1976). Influenza: current concepts. *Am Fam Physician*, 14(3), 72-77.

Dolin, R. (2022a, 04/01/2022). *Seasonal influenza in adults: Clinical manifestations and diagnosis*. <https://www.uptodate.com/contents/seasonal-influenza-in-adults-clinical-manifestations-and-diagnosis>

Dolin, R. (2022b, 04/01/2022). *Seasonal influenza in adults: Transmission, clinical manifestations, and complications*. <https://www.uptodate.com/contents/seasonal-influenza-in-adults-transmission-clinical-manifestations-and-complications>

Harper, S. A., Bradley, J. S., Englund, J. A., File, T. M., Gravenstein, S., Hayden, F. G., McGeer, A. J., Neuzil, K. M., Pavia, A. T., Tapper, M. L., Uyeki, T. M., & Zimmerman, R. K. (2009). Seasonal influenza in adults and children--diagnosis, treatment, chemoprophylaxis, and institutional outbreak management: clinical practice guidelines of the Infectious Diseases Society of America. *Clin Infect Dis*, 48(8), 1003-1032. <https://doi.org/10.1086/598513>

Hayden, F. G., Osterhaus, A. D., Treanor, J. J., Fleming, D. M., Aoki, F. Y., Nicholson, K. G., Bohnen, A. M., Hirst, H. M., Keene, O., & Wightman, K. (1997). Efficacy and safety of the neuraminidase inhibitor zanamivir in the treatment of influenza virus infections. GG167 Influenza Study Group. *N Engl J Med*, 337(13), 874-880. <https://doi.org/10.1056/nejm199709253371302>

Hazelton, B., Gray, T., Ho, J., Ratnamohan, V. M., Dwyer, D. E., & Kok, J. (2015). Detection of influenza A and B with the Alere i Influenza A & B: a novel isothermal nucleic acid amplification assay. *Influenza Other Respir Viruses*, 9(3), 151-154. <https://doi.org/10.1111/irv.12303>

Heneghan, C. J., Onakpoya, I., Thompson, M., Spencer, E. A., Jones, M., & Jefferson, T. (2014). Zanamivir for influenza in adults and children: systematic review of clinical study reports and summary of regulatory comments. *Bmj*, 348, g2547. <https://doi.org/10.1136/bmj.g2547>

Hurt, A. C., Alexander, R., Hibbert, J., Deed, N., & Barr, I. G. (2007). Performance of six influenza rapid tests in detecting human influenza in clinical specimens. *J Clin Virol*, 39(2), 132-135. <https://doi.org/10.1016/j.jcv.2007.03.002>

Ikenaga, M., Kosowska-Shick, K., Gotoh, K., Hidaka, H., Koga, H., Masunaga, K., Nagai, K., Tsumura, N., Appelbaum, P. C., & Matsuishi, T. (2008). Genotypes of macrolide-resistant pneumococci from children in southwestern Japan: raised incidence of strains that have both erm(B) and mef(A) with serotype 6B clones. *Diagn Microbiol Infect Dis*, 62(1), 16-22. <https://doi.org/10.1016/j.diagmicrobio.2007.10.013>

Jefferson, T., Jones, M., Doshi, P., Spencer, E. A., Onakpoya, I., & Heneghan, C. J. (2014). Oseltamivir for influenza in adults and children: systematic review of clinical study reports and summary of regulatory comments. *Bmj*, 348, g2545. <https://doi.org/10.1136/bmj.g2545>

Kanwar, N., Michael, J., Doran, K., Montgomery, E., & Selvarangan, R. (2020). Comparison of the ID Now Influenza A & B 2, Cobas Influenza A/B, and Xpert Xpress Flu Point-of-Care Nucleic Acid Amplification Tests for Influenza A/B Virus Detection in Children. *J Clin Microbiol*, 58(3). <https://doi.org/10.1128/jcm.01611-19>

Kilbourne, E. D., & Loge, J. P. (1950). Influenza A prime: a clinical study of an epidemic caused by a new strain of virus. *Ann Intern Med*, 33(2), 371-379.

Kux, L. (2017). *Microbiology Devices; Reclassification of Influenza Virus Antigen Detection Test Systems Intended for Use Directly With Clinical Specimens*. (FDA-2014-N-0440). Washington, D.C.: Federal Register Retrieved from <https://www.gpo.gov/fdsys/pkg/FR-2017-01-12/pdf/2017-00199.pdf>

Lee, J. J., Verbakel, J. Y., Goyder, C. R., Ananthakumar, T., Tan, P. S., Turner, P. J., Hayward, G., & Van den Bruel, A. (2019). The Clinical Utility of Point-of-Care Tests for Influenza in Ambulatory Care: A Systematic Review and Meta-analysis. *Clin Infect Dis*, 69(1), 24-33. <https://doi.org/10.1093/cid/ciy837>

Ling, L., Kaplan, S. E., Lopez, J. C., Stiles, J., Lu, X., & Tang, Y. W. (2018). Parallel Validation of Three Molecular Devices for Simultaneous Detection and Identification of Influenza A and B and Respiratory Syncytial Viruses. *J Clin Microbiol*, 56(3). <https://doi.org/10.1128/jcm.01691-17>

Loeb, M., Singh, P. K., Fox, J., Russell, M. L., Pabbaraju, K., Zarra, D., Wong, S., Neupane, B., Singh, P., Webby, R., & Fonseca, K. (2012). Longitudinal study of influenza molecular viral shedding in Hutterite communities. *J Infect Dis*, 206(7), 1078-1084. <https://doi.org/10.1093/infdis/jis450>

Lopez Roa, P., Catalan, P., Giannella, M., Garcia de Viedma, D., Sandonis, V., & Bouza, E. (2011). Comparison of real-time RT-PCR, shell vial culture, and conventional cell culture for the detection of the pandemic influenza A (H1N1) in hospitalized patients. *Diagn Microbiol Infect Dis*, 69(4), 428-431. <https://doi.org/10.1016/j.diagmicrobio.2010.11.007>

Melchers, W. J. G., Kuijpers, J., Sickler, J. J., & Rahamat-Langendoen, J. (2017). Lab-in-a-tube: Real-time molecular point-of-care diagnostics for influenza A and B using the cobas(R) Liat(R) system. *J Med Virol*, 89(8), 1382-1386. <https://doi.org/10.1002/jmv.24796>

Miller, J. M., Binnicker, M. J., Campbell, S., Carroll, K. C., Chapin, K. C., Gilligan, P. H., Gonzalez, M. D., Jerris, R. C., Kehl, S. C., Patel, R., Pritt, B. S., Richter, S. S., Robinson-Dunn, B., Schwartzman, J. D., Snyder, J. W., Telford, I. I. I. S., Theel, E. S., Thomson, J. R. B., Weinstein, M. P., & Yao, J. D. (2018). A Guide to Utilization of the Microbiology Laboratory for Diagnosis of Infectious Diseases: 2018 Update by the Infectious Diseases Society of America and the American Society for Microbiology. *Clinical Infectious Diseases*, ciy381-ci381. <https://doi.org/10.1093/cid/ciy381>

Moesker, F. M., van Kampen, J. J. A., Aron, G., Schutten, M., van de Vijver, D., Koopmans, M. P. G., Osterhaus, A., & Fraaij, P. L. A. (2016). Diagnostic performance of influenza viruses and RSV rapid antigen detection tests in children in tertiary care. *J Clin Virol*, 79, 12-17. <https://doi.org/10.1016/j.jcv.2016.03.022>

Mubareka, S., Lowen, A. C., Steel, J., Coates, A. L., Garcia-Sastre, A., & Palese, P. (2009). Transmission of influenza virus via aerosols and fomites in the guinea pig model. *J Infect Dis*, 199(6), 858-865.

Nicholson, K. G. (1992). Clinical features of influenza. *Semin Respir Infect*, 7(1), 26-37.

Nicholson, K. G., Aoki, F. Y., Osterhaus, A. D., Trottier, S., Carewicz, O., Mercier, C. H., Rode, A., Kinnersley, N., & Ward, P. (2000). Efficacy and safety of oseltamivir in treatment of acute influenza: a randomised controlled trial. Neuraminidase Inhibitor Flu Treatment Investigator Group. *Lancet*, 355(9218), 1845-1850.

NIH. (2017, April 10). *Influenza Diagnosis*. <https://www.niaid.nih.gov/diseases-conditions/influenza-diagnosis>

Ryu, S. W., Lee, J. H., Kim, J., Jang, M. A., Nam, J. H., Byoun, M. S., & Lim, C. S. (2016). Comparison of two new generation influenza rapid diagnostic tests with instrument-based digital readout systems for influenza virus detection. *Br J Biomed Sci*, 73(3), 115-120. <https://doi.org/10.1080/09674845.2016.1189026>

Ryu, S. W., Suh, I. B., Ryu, S. M., Shin, K. S., Kim, H. S., Kim, J., Uh, Y., Yoon, K. J., & Lee, J. H. (2018). Comparison of three rapid influenza diagnostic tests with digital readout systems and

one conventional rapid influenza diagnostic test. *J Clin Lab Anal*, 32(2).
<https://doi.org/10.1002/jcla.22234>

Sato, Y., Nirasawa, S., Saeki, M., Yakuwa, Y., Ono, M., Kobayashi, R., Nakafuri, H., Murai, R., Fujiya, Y., Kuronuma, K., & Takahashi, S. (2022). Comparative study of rapid antigen testing and two nucleic acid amplification tests for influenza virus detection. *J Infect Chemother*, 28(7), 1033-1036. <https://doi.org/10.1016/j.jiac.2022.04.009>

Sintchenko, V., Gilbert, G. L., Coiera, E., & Dwyer, D. (2002). Treat or test first? Decision analysis of empirical antiviral treatment of influenza virus infection versus treatment based on rapid test results. *J Clin Virol*, 25(1), 15-21.

Uyeki, T. M., Bernstein, H. H., Bradley, J. S., Englund, J. A., File, T. M., Jr., Fry, A. M., Gravenstein, S., Hayden, F. G., Harper, S. A., Hirshon, J. M., Ison, M. G., Johnston, B. L., Knight, S. L., McGeer, A., Riley, L. E., Wolfe, C. R., Alexander, P. E., & Pavia, A. T. (2018). Clinical Practice Guidelines by the Infectious Diseases Society of America: 2018 Update on Diagnosis, Treatment, Chemoprophylaxis, and Institutional Outbreak Management of Seasonal Influenza. *Clinical Infectious Diseases*, 68(6), e1-e47. <https://doi.org/10.1093/cid/ciy866>

Yoon, J., Yun, S. G., Nam, J., Choi, S. H., & Lim, C. S. (2017). The use of saliva specimens for detection of influenza A and B viruses by rapid influenza diagnostic tests. *J Virol Methods*, 243, 15-19. <https://doi.org/10.1016/j.jviromet.2017.01.013>

Young, S., Illescas, P., Nicasio, J., & Sickler, J. J. (2017). Diagnostic accuracy of the real-time PCR cobas((R)) Liat((R)) Influenza A/B assay and the Alere i Influenza A&B NEAR isothermal nucleic acid amplification assay for the detection of influenza using adult nasopharyngeal specimens. *J Clin Virol*, 94, 86-90. <https://doi.org/10.1016/j.jcv.2017.07.012>

Zachary, K. C. (2022, 06/29/2022). *Seasonal influenza in nonpregnant adults: Treatment*. <https://www.uptodate.com/contents/seasonal-influenza-in-nonpregnant-adults-treatment>

Policy Update History:

7/5/2023	Document updated with literature review. Reimbursement information revised for clarity. References revised.
11/1/2022	New policy