



To: UPHS Physicians and Staff
From: The Division of Precision and Computational Diagnostics (PCD)
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Date: February 13, 2020
Re: Tumor Mutational Burden: Center for Personalized Diagnostics (CPD)

The Center for Personalized Diagnostics (CPD) offers assays designed to detect genomic variants in oncology samples. The CPD is pleased to announce reporting of Tumor Mutational Burden (TMB), which provides an estimate of the number of mutations per megabase of genome (mutations/Mb). TMB will be included in Solid Tumor Panel reports starting **February 17, 2020**. TMB will automatically be provided in the final report for specimens submitted for testing on the Solid Tumor Panel. TMB is agnostic to both tissue-type and diagnosis and will be reported as a numerical value with an estimated confidence interval.

TMB is NOT available for any other CPD assay besides the Solid Tumor Panel. Note that specimens submitted for Solid Tumor Panel analysis which are ultimately reflexed to the Penn Precision Panel will NOT receive a TMB estimate.

If clinically warranted, results previously issued from the Solid Tumor Panel, v2 can be re-analyzed using the updated bioinformatics pipeline. To order re-analysis, please choose "CPD Prior Result Reanalysis" (REANCASE) in EPIC. Only cases previously successfully processed through the Solid Tumor Panel, v2 (analyzed at CPD from approximately October 2016 to present) are eligible for reprocessing. Please note that this will result in an additional charge to the patient and for cases reported prior to December 2018, copy number alterations may also be revised in the new report.

For additional information and questions: Call the Center for Personalized Diagnostics (215-615-3966) on weekdays during regular business hours or visit our website:

<http://pennmedicine.sitecoreauthoring.uphs.upenn.edu/departments-and-centers/center-for-personalized-diagnostics/gene-panels>