

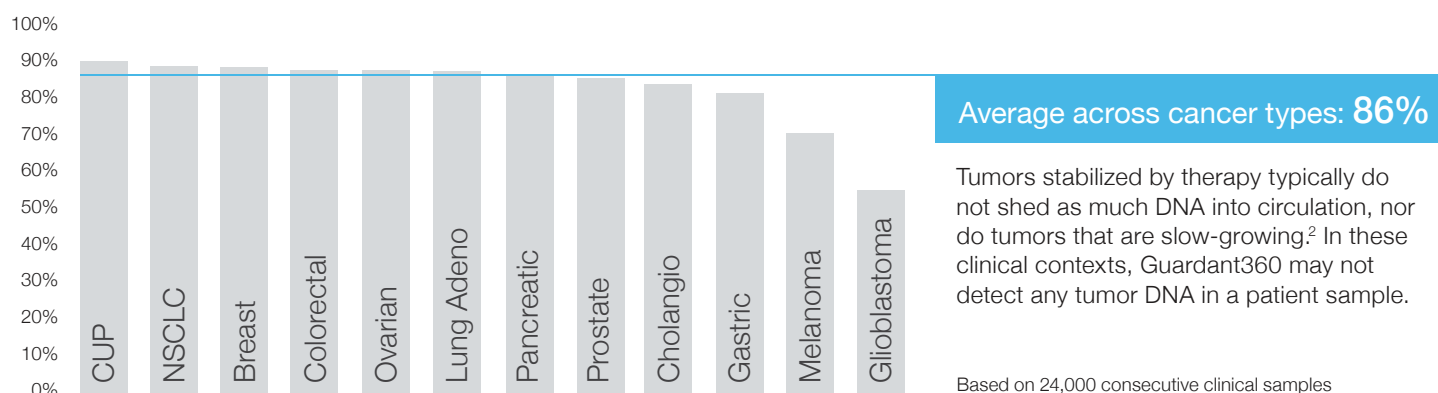
## GUARDANT360 COVERS ALTERATIONS IN OVER 70 GENES RELEVANT TO MULTIPLE SOLID TUMORS INCLUDING MSI-HIGH

Point Mutations (SNVs) and Deletion Variants (Indels) (74 Genes)							Amplifications (18 Genes)		Fusions (6 Genes)
AKT1	ALK	APC	AR	ARAF	ARID1A	ATM	AR	BRAF	<b>ALK</b>
<b>BRAF</b>	BRCA1	BRCA2	CCND1	CCND2	CCNE1	CDH1	CCND1	CCND2	FGFR2
CDK4	CDK6	CDK12	CDKN2A	CTNNB1	DDR2	<b>EGFR</b>	CCNE1	CDK4	FGFR3
<b>ERBB2</b>	ESR1	EZH2	FBXW7	FGFR1	FGFR2	FGFR3	CDK6	EGFR	<b>NTRK1</b>
GATA3	GNA11	GNAQ	GNAS	HNF1A	HRAS	IDH1	ERBB2	FGFR1	<b>RET</b>
IDH2	JAK2	JAK3	KIT	KRAS	MAP2K1	MAP2K2	FGFR2	KIT	<b>ROS1</b>
MAPK1	MAPK3	<b>MET</b>	MLH1	MPL	MTOR	MYC	KRAS	<b>MET</b>	
NF1	NFE2L2	NOTCH1	NPM1	NRAS	NTRK1	NTRK3	MYC	PDGFRA	
PDGFRA	PIK3CA	PTEN	PTPN11	RAF1	RB1	<b>RET</b>	PIK3CA	RAF1	
RHEB	RHOA	RIT1	ROS1	SMAD4	SMO	STK11			
TERT <sup>†</sup>	TP53	TSC1	VHL						

Critical or all exons\* completely sequenced and all four major classes of alterations

NSCLC guideline-recommended genes shown in **bold** / \*Exons selected to maximize detection of known somatic mutations / <sup>†</sup> Includes TERT promoter region

## ctDNA DETECTION RATE BY CANCER TYPE WITH THE GUARDANT360 ASSAY<sup>1</sup>



CUP : Carcinoma of Unknown Primary  
 NSCLC : Non-small Cell Lung Cancer  
 Lung Adeno : Lung Adenocarcinoma  
 Cholangio : Cholangiocarcinoma

REFERENCES: 1. Zill et al. 2018 Clin Cancer Res / 2. Holdenrieder et al. Clin Cancer Res 2004; Bettgeowda, et al. Sci Transl Med 2014

