

## National Survey of Precision Medicine in Cancer Treatment

Understanding provider experiences to inform the future of cancer care

A survey of the



In collaboration with the

NATIONAL HUMAN GENOME RESEARCH INSTITUTE, NIH and the AMERICAN CANCER SOCIETY

## Who is eligible for this survey?

This survey is intended for oncologists who have treated or evaluated patients with cancer, including hematologic malignancies and solid tumors. Have you treated or evaluated cancer patients in the past 12 months?

- ☐ I have treated or evaluated cancer patients in the past 12 months [Continue]
- ☐ I have NOT treated or evaluated cancer patients in the past 12 months

> [Please return blank survey in the envelope provided].

Sı	ECTION A: Your P	ATIENT	Populat	ΓΙΟΝ				
	questionnaire focuses on treatment and solid tumors.	l evaluation of μ	patients with cancer	including hematol	ogic malignancies			
For e	each question, please fill in one box	or write in an a	answer as requested	d				
<b>A</b> 1.	1. On average, how many unique patients do you see for evaluation or treatment each month? Your best estimatis fine.							
	Total unique patients per	month						
A2.	Of the total patients you see for evalua estimate is fine.	tion or treatme	nt each month, how	many are cancer p	patients? Your best			
	Unique cancer patients pe	r month						
A3.	On average, how many patients with neach month? By metastatic, we mean cancer that has come back after a periestimate is fine.	cancer that ha	s spread to other pa	arts of the body. By	recurrent, we mea			
<b>A4</b> .	On average, how many unique patient each month?	·	ving cancers do you	ı see for evaluation	or treatment			
	(Please check one box in each row.)	None ▼	1-10 patients per month	11-25 patients per month	26+ patients per month ▼			
	a. Breast cancer							
	b. Colorectal cancer							
	c. Glioma							
	d. Gynecological cancer							
	e. Hematological cancer							
	f. Lung cancer							
	g. Melanoma							
	h. Stomach (Gastric) cancer							
	i. Other Solid Tumor							

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Sı	ECTION B: GENOMIC TES	STING					
chro alter	section asks about your use of genomic testing, we mosomal mutations and multi-marker tumor partiations, or expression that may provide clinically acts for tumor tissue, not tests for germline or inherite	nel testing for motionable information	ultiple genes a ation. When re	assessed for mu	itations,		
<b>B1.</b> For each of the following tests, how confident are you in your ability to determine whether the test is clinical appropriate for a patient?							
		Not at all confident	A little confident	Moderately confident	Very confident		
	(Please check one box in each row.)				<b>V</b>		
	<ul> <li>a. Commercially available multi-marker tumor panels (e.g., FoundationOne, Oncotype DX)</li> </ul>						
	<ul> <li>b. Non-commercial tumor panel performed at an academic medical center</li> </ul>						
	c. Whole genome or exome sequencing						
	d. Tests for individual genes or chromosomal alterations (e.g., KRAS for colorectal cancer)						
B2.	For each of the following tests, how confident are <b>decisions</b> about patient treatment and managem	ent?	•		et to <b>guide</b>		
	(Please check one box in each row.)	Not at all confident	A little confident ▼	Moderately confident	Very confident ▼		
	a. Commercially available multi-marker tumor panels (e.g., FoundationOne, Oncotype DX)						
	b. Non-commercial tumor panel performed at an academic medical center						
	c. Whole genome or exome sequencing						
	d. Tests for individual genes or chromosomal alterations (e.g., KRAS for colorectal cancer)						
B3.	For each of the following tests, how confident are <b>procedures</b> to a patient?	you in your abili	ty to explain <b>th</b>	ne testing purp	ose and		
	procedures to a patient:	Not at all confident	A little confident	Moderately confident	Very confident		
	(Please check one box in each row.)	▼	▼	▼	▼		
	Commercially available multi-marker tumor panels (e.g., FoundationOne, Oncotype DX)						
	<ul> <li>b. Non-commercial tumor panel performed at an academic medical center</li> </ul>						
	c. Whole genome or exome sequencing						
	d. Tests for individual genes or chromosomal alterations (e.g., KRAS for colorectal cancer)						
B4.	In the past 12 months, when you or your staff distheir families, how often did you discuss the likely  Never Rarely Sometimes Often Did not discuss genomic testing with patie	costs of the tes	ting and relate		cancer patients		
_		-					
_ 5 _	821469601	3					

## **SECTION C: MULTI-MARKER TUMOR PANEL TESTING**

Section C focuses on your use of and experience with **multi-marker tumor panels**. For this survey, a multi-marker tumor panel is defined as a test that allows multiple genes to be assessed for mutations, alterations, or expression that may provide clinically actionable information. When responding, please only consider tests for tumor tissue, not tests for germline or inherited cancer predisposition.

**C1.** How of many of your cancer patients received the following multi-marker tumor panels within the **past 12 months**? Please include tests that were ordered by other physicians and tests performed by pathology.

	Not familiar with this test	Familiar with this test, but not used in the past 12 months	1-10 patients in the past 12 months	11+ patients in the past 12 months
(Please check one box in each row.)	<b>*</b>	<b>*</b>	<b></b>	<b>*</b>
a. Breast Cancer Index <sup>SM</sup> (BioTheranostics)				
b. CancerSELECT® or CancerComplete® (Personal Gene Diagnostics [PGDx])				
c. Caris Molecular Intelligence® or Target Now™ (Caris Life Sciences®)				
d. CGI Complete™ (Cancer Genetics Incorporated [CGI])				
e. FoundationOne® (Foundation Medicine®)				
f. FoundationOne® Heme (Foundation Medicine®)				
g. FoundationACT™(Foundation Medicine®)				
h. GPS Cancer™ (NantOmics)				
i. Guardant360™ (Guardant Health)				
j. Mammaprint® (Agendia®)				
k. myPlan® Lung Cancer (Myriad®)				
<ol> <li>OmniSeq Comprehensive<sup>SM</sup> (OmniSeq®)</li> </ol>				
m. Oncotype DX® Breast (Genomic Health®)				
n. Oncotype DX® Colon (Genomic Health®)				
o. OnkoSight™ Tumor Panels (GenPath Diagnostics)				
p. Prosigna® (NanoString Technologies®)				
q. Solid Tumor Mutation Panel (ARUP® Laboratories)				
Non-commercial tumor panel performed at an academic medical center				
s. Other (Please specify):				

The next section asks additional questions about multi-marker tumor panels. For these questions, please <b>exclude</b> Oncotype DX testing.							
C2.	In the <b>past 12 months</b> , for what percentage Oncotype DX testing, did you use the resul						
	% [If 0, go to Question D1, p	age 7]					
C3.	3. In the past 12 months, how often did you use the results from multi-marker tumor panels, excluding Oncotype DX testing, to guide care decisions when treating the following types of patients?  Did not						
		Did not see these					
	(Please check one box in each row.)	patients •	Never ▼	Rarely T	Sometimes	Often ▼	
	a. Patients with an initial diagnosis of cancer						
l	b. Patients with advanced refractory disease						
	c. Patients with rare cancers						
	d. Patients with cancers of unknown origins						
	e. Patients for whom there is an FDA- approved therapy associated with a companion diagnostic						
	f. Patients in specific clinical trials that have a companion molecular test						
C4.	In the <b>past 12 months</b> , how often have you Oncotype DX testing, for the following purp		sults from mul	ti-marker tur	•	luding	
	(Please check one box in each row.)		Never ▼	Rarely	Sometimes <b>T</b>	Often ▼	
	(Please check one box in each row.) a. To guide the use of FDA-approved drugs		Never ▼	Rarely	Sometimes ▼	Often ▼	
	·	d drugs for an	<b>V</b>	<b>V</b>		<b>▼</b>	
	<ul><li>a. To guide the use of FDA-approved drugs</li><li>b. To help decide whether to use FDA-approved</li></ul>	d drugs for an		<b>V</b>			
	<ul><li>a. To guide the use of FDA-approved drugs</li><li>b. To help decide whether to use FDA-approved off-label use</li></ul>	d drugs for an					
	<ul><li>a. To guide the use of FDA-approved drugs</li><li>b. To help decide whether to use FDA-approved off-label use</li><li>c. To provide diagnostic information</li></ul>						
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> </ul>	s results of mu	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □				
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the Oncotype DX testing, how often did you expenses</li> </ul>	s results of mu	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □				
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the</li> </ul>	e results of mu perience the f	ulti-marker turfollowing?	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	contact of the second s	
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the Oncotype DX testing, how often did you ex</li> <li>(Please check one box in each row.)</li> <li>a. The test results assisted in making a diagnos</li> <li>b. The test results helped to inform my treatment</li> </ul>	results of muperience the f	ulti-marker turfollowing?	mor panels for	or your patients  Sometimes	contact of the second s	
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the Oncotype DX testing, how often did you ex</li> <li>(Please check one box in each row.)</li> <li>a. The test results assisted in making a diagnos</li> </ul>	results of muperience the f	ulti-marker turfollowing?	mor panels for Rarely	or your patients  Sometimes	contact of the second s	
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the Oncotype DX testing, how often did you expected by the control of the</li></ul>	e results of muperience the finitesistes is the control of the con	ulti-marker turfollowing?	mor panels for Rarely	or your patients  Sometimes  U	often	
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the Oncotype DX testing, how often did you ex</li> <li>(Please check one box in each row.)</li> <li>a. The test results assisted in making a diagnos</li> <li>b. The test results helped to inform my treatment recommendations</li> <li>c. The test results confirmed eligibility for a clinic</li> </ul>	e results of muperience the finite cal trial on on prognosiseir families in	ulti-marker turfollowing?	mor panels fo	or your patients  Sometimes  U	often	
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the Oncotype DX testing, how often did you expected by the control of the</li></ul>	e results of muperience the finite cal trial on on prognosiseir families in sions	ulti-marker turfollowing?	mor panels fo	or your patients  Sometimes  I	often	
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the Oncotype DX testing, how often did you expected by the order of the control of the co</li></ul>	e results of muperience the finite cal trial on on prognosiseir families in sions	ulti-marker turfollowing?	mor panels fo	or your patients  Sometimes  I	often	
C5.	<ul> <li>a. To guide the use of FDA-approved drugs</li> <li>b. To help decide whether to use FDA-approved off-label use</li> <li>c. To provide diagnostic information</li> <li>d. To provide prognostic information</li> <li>e. To determine patient eligibility for clinical trial</li> <li>In the past 12 months, when you used the Oncotype DX testing, how often did you ex</li> <li>(Please check one box in each row.)</li> <li>a. The test results assisted in making a diagnos</li> <li>b. The test results helped to inform my treatment recommendations</li> <li>c. The test results confirmed eligibility for a clinical</li> <li>d. The test results provided important information</li> <li>e. The test results were helpful to patients or the understanding their disease and making decision.</li> <li>f. The test results were conclusive, but not action</li> </ul>	e results of muperience the finite cal trial on on prognosiseir families in sions	ulti-marker turfollowing?	mor panels for Rarely	Sometimes  Output  Out	often	

C6.	In the past 12 months, when you ordered or requested excluding Oncotype DX testing, how often did you exp				or your patien	its,
	(Please check one box in each row.)	Never	Rarely	Sometime	es Often	Don't Know
	The recommended drugs based on test results were not covered by insurance					
	<ul> <li>b. Inadequate reimbursement was paid to physician or hospital</li> </ul>					
	c. Uncertainty as to whether the test was indicated for patient's clinical situation					
	<ul> <li>d. Long wait to receive tests results that caused a delay in making patient care decisions</li> </ul>					
	Patient reluctance because of concern that hereditary genetic abnormalities might be found					
	<ul> <li>f. Results indicated an inherited cancer predisposition (e.g., BRCA1/2 mutation)</li> </ul>					
C7.	In the <b>past 12 months</b> , how important was each of the tumor panels to make <b>treatment decisions</b> for your categories (Please check one box in each row.)	_	nts? all /	•	ion to use mo	Very important
	a. Availability of guidelines (e.g., ASCO, NCCN) for the test			$\dot{\Box}$		
	b. Your familiarity with guidelines (e.g., ASCO, NCCN) for the test					
	c. Your formal education or training (e.g., residency/fellowship, CME, lecture or symposia) on the test					
	d. Past experience with the test					
	e. FDA approval of the test for the patient population being tested					
	f. Information about the test from test suppliers or company representatives					
C8.	In the <b>past 12 months</b> , how important was each of the tumor panels to make <b>treatment decisions</b> for your ca	ıncer patiei	nts?			
	(Please check one box in each row.)	Not at a importa		A little nportant	Somewhat important	Very important ▼
	a. Performance characteristic of the test (e.g., positive predictive value, sensitivity, specificity)					
	b. Prevalence of genetic alterations among patients with a specific type of cancer					
	c. Ability of the test to predict clinical benefit of specific treatments					
	d. Ability of the test to predict toxicity of specific treatments					
	e. Ability of the test to provide prognostic information					
	f. Ability of the test to provide diagnostic information (e.g., for a cancer of unknown primary)					

				cicion to use	معادمه المادمة
C9.	In the <b>past 12 months</b> , how important was each of the fortumor panels to make <b>treatment decisions</b> for your can			cision to use i	nuiu-marker
	tumor panels to make treatment decisions for your carr	Not at all	A little	Somewhat	Very
	(Places shock one boy in each row)	important	important	important	important
	(Please check one box in each row.)  a. Patient or family preferences				
	b. Test is covered by patient's insurance		П		
	c. Treatment is covered by patient's insurance				
	d. Patient out-of-pocket expenses for testing				
	e. Patient out-of-pocket expenses for treatment				
		_			_
C10.	In the <b>past 12 months</b> , what percentage of your cancer marker tumor panels? Please include when a family men				
	Your best estimate is fine.				
	%				
	SOTION DI MOYO ON MILLE				
Se	ection D: More on Multi-	wake	riun	nor Pa	ineis
			er i un	nor Pa	ineis
	nave just a few more questions about multi-maker tumor put in the <b>past 12 months</b> , did you rely on any of the follow	panels.			
Weh	nave just a few more questions about multi-maker tumor p	panels.			
Weh	nave just a few more questions about multi-maker tumor put in the <b>past 12 months</b> , did you rely on any of the follow	panels. ing to learn a	bout using a		
Weh	nave just a few more questions about multi-maker tumor purely on any of the following for cancer patients?	panels. ing to learn a	bout using a		
Weh	nave just a few more questions about multi-maker tumor purely on any of the following for cancer patients?  (Please check one box in each row.)	panels. ing to learn a	bout using a		
Weh	In the <b>past 12 months</b> , did you rely on any of the follow for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)	panels. ing to learn a	bout using a		
Weh	In the <b>past 12 months</b> , did you rely on any of the follow for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)  b. National or international experts	oanels. ing to learn a  Yes  □	bout using a		
Weh	In the past 12 months, did you rely on any of the following for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)  b. National or international experts  c. Testing laboratories or pathologists	oanels. ing to learn a  Yes  □	bout using a		
Weh	In the past 12 months, did you rely on any of the following for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)  b. National or international experts  c. Testing laboratories or pathologists  d. Test manufacturers or drug company representatives or webs	oanels. ing to learn a  Yes  □	bout using a		
Weh	In the past 12 months, did you rely on any of the following for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)  b. National or international experts  c. Testing laboratories or pathologists  d. Test manufacturers or drug company representatives or webse. FDA package inserts	oanels. ing to learn a  Yes  □	bout using a		
Weh	In the past 12 months, did you rely on any of the following for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)  b. National or international experts  c. Testing laboratories or pathologists  d. Test manufacturers or drug company representatives or well e. FDA package inserts  f. Scientific meetings or conferences	oanels. ing to learn a  Yes  □	bout using a		
Weh	In the past 12 months, did you rely on any of the following for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)  b. National or international experts  c. Testing laboratories or pathologists  d. Test manufacturers or drug company representatives or well e. FDA package inserts  f. Scientific meetings or conferences  g. Peer-reviewed medical literature	oanels. ing to learn a  Yes  □	bout using a		
Weh	In the past 12 months, did you rely on any of the following for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)  b. National or international experts  c. Testing laboratories or pathologists  d. Test manufacturers or drug company representatives or well.  e. FDA package inserts  f. Scientific meetings or conferences  g. Peer-reviewed medical literature  h. Medical professional societies such as ASCO or NCCN	oanels.  Yes  Obsites  Obsites	bout using a		
Weh	In the past 12 months, did you rely on any of the follow for cancer patients?  (Please check one box in each row.)  a. Informal networks (e.g., colleagues)  b. National or international experts  c. Testing laboratories or pathologists  d. Test manufacturers or drug company representatives or web  e. FDA package inserts  f. Scientific meetings or conferences  g. Peer-reviewed medical literature  h. Medical professional societies such as ASCO or NCCN  i. Government (e.g., NIH) websites or materials	oanels.  Yes  Obsites  Obsites	bout using a		

D2.	In the <b>past 12 months</b> , did you refer any of y marker tumor panel?	our canc	er patier	nts to another location or provider for a multi-
	- ☐ Yes			
	☐ No → Go to <b>Question D4</b>			
$\forall$				
D3.	In the <b>past 12 months</b> , did you refer any of y panel?	our canc	er patier	nts to any of the following for a multi-marker tumor
	paner:	Yes	No	
	(Please check one box in each row.)	▼	▼	
	a. Academic medical center			
	b. Oncologist outside your practice			
	c. Clinical trial			
D4.	In the <b>past 12 months</b> , how many of your camulti-marker tumor test that was not ordered			sented with results from a commercially available
		unougn	you or y	produce.
_				
	1-10 patients			
	11-25 patients			
L	26+ patients			
$\downarrow$				
D5.	In the past 12 months, when patients preser	nted with	commer	cially available multi-marker tumor testing results
	that you did not order, did you take any of the			
		Yes	No	
	(Please check one box in each row.)	_	_	
	a. Consulted with your local Tumor Board		Ш	
	b. Consulted with a pathologist			
	c. Ordered additional single gene tests			
	d. Ordered additional multi-marker tumor tests			
	e. Referred to a cancer center			
	f. Used results to guide patient care decisions	П	П	
	g. Enrolled patient in a clinical trial	П	_	
	g. Enrolled patient in a clinical that	Ш	Ш	

	The next question is about the times during the <b>past</b> tumor panel for a cancer patient. When this occurred,		•		a main-me
	(Please check one box in each row.)	Never	Rarely ▼	Sometimes	Often •
	a. Multi-marker testing was not relevant for the patient				
	b. Used tests for individual genes, rather than multi- marker tumor panels				
	c. Not enough evidence of utility				
	d. Multi-marker panels were not available in my practice				
	e. Test was not covered by patient's insurance				
	f. Out-of-pocket costs for tests were too expensive for the patient				
	g. Provider reimbursement for tests was insufficient				
	h. Lack of personnel or resources to interpret test results				
	i. Uncertainty regarding informed consent procedures				
	j. Difficulty obtaining sufficient tissue for testing				
	k. Insufficient time to order tests or review results				
	I. Patient's or patient's family preferences				
<b>'</b> .	In the <b>past 12 months</b> , how often, if at all, were the for families in the decision-making process for multi-mark (Please check one box in each row.)			g your cancer par	tients or the
	a. Difficulty getting patient/family to understand the				
	purpose of the test	П			
	b. Difficulty getting patient/family to understand	ш			
	<u> </u>				
	<ul><li>b. Difficulty getting patient/family to understand treatment options</li><li>c. Lack of educational materials to share with</li></ul>				

## SECTION E: ABOUT YOU AND YOUR PRACTICE The next set of questions will help us to better **E6.** In the past 12 months what percentage of your understand you and your primary medical practice. By patients were Medicare, Medicaid, and selfprimary medical practice we mean the site where you pay/uninsured? see most of your cancer patients. % Medicare **E1.** Is your primary practice a ... % Medicaid ☐ Solo practice % Self-pay/uninsured ☐ Single specialty group Multi-specialty group **E7.** In which of the following practice settings do you Other see patients for treatment or evaluation? (Please check all that apply) **E2.** Including yourself, how many full- and part-time physicians are in your primary practice? Academic medical center or medical school Number medical school ☐ Community hospital **E3.** How would you characterize your primary practice? Office-based Urban ☐ HMO or integrated healthcare system Suburban □ Other Rural **E8.** Is your primary practice affiliated with an academic **E4.** Does your primary practice provide care for institution such as a medical school or teaching patients living in rural areas as part of an outreach hospital? Do not include where your practice only or visiting clinician arrangement? has admissions privileges. ☐ Yes Yes ☐ No No **E5.** Does your primary practice have the following Lastly, we have just a few more questions about you and genomic testing services? your background. Don't know Yes No **E9.** What is your primary specialty? Please think about (Please check one box in each row.) $\blacksquare$ the one specialty in which you spend most of your time. П п On-site pathology Contracts with outside testing П laboratories to perform tests П ☐ Hematology not available on-site ☐ Hematology/oncology П On-site genetic counselors ☐ Other Internal policies or protocols for use of genomic and biomarker **E10.** Do you hold a faculty appointment or do you have testing a teaching assignment at a medical school or An EMR that alerts providers when hospital? a genomic test is recommended П for a particular patient or before ☐ Yes ordering a particular drug П No Genomic/Molecular Tumor board

E11. During a typical month, approximately what percentage of your professional time do you spend in the following activities?  We Providing patient care  Teaching  E12. Have you received any formal training (e.g., instruction during residency/fellowship, professional lectures or seminars, symposiums, conferences, CMEs) in use of genomic testing?  Yes  No	E13. Which of these best describes your ethnicity?  (Choose one)  Hispanic or Latino Not Hispanic or Non-Latino  E14. Which of these best describes your race?  (Choose one or more)  American Indian or Alaska Native Asian Black or African American Native Hawaiian or Other Pacific Islander White
valuable to us. The information you have information that could identify you will not please return this questionnaire in the end back to 1-80.	te this questionnaire. Your contribution is ve provided will be kept private and any ot be associated directly with the results.  closed postage-paid return envelope or fax 00-647-9659.  ease email us at <a href="mailto:PrecisionMedicine@rti.org">PrecisionMedicine@rti.org</a> at 1-866-590-7469.
Collection of this information is authorized by The Public Health Service protected by The Privacy Act of 1974. Participation is voluntary, and the at any time. Refusal to participate will not affect your benefits in any wa extent provided by law. Names and other identifiers will not appear in a study participants and reported as summaries. You are being contacted genomic testing results are used to inform cancer treatment.  Public reporting burden for this collection of information is estimated to instructions, searching existing data sources, gathering and maintaining information. An agency may not conduct or sponsor, and a person is no currently valid OMB control number. Send comments regarding this burincluding suggestions for reducing this burden to: NIH, Project Clearand 7974, ATTN: PRA (0925-0739). Do not return the completed form to this	ere are no penalties for not participating or withdrawing from the study by. The information collected in this study will be kept private to the any report of the study. Information provided will be combined for all d by mail to complete this instrument so that we can understand how average 20 minutes per response, including the time for reviewing the data needed, and completing and reviewing the collection of trequired to respond to, a collection of information unless it displays a riden estimate or any other aspect of this collection of information, be Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-
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