#### **A Consensus Letter**

#### to the HHS Office of Civil Rights and the Centers for Medicare and Medicaid Services on the Need to Finalize the Proposed Rule to Expand the Rights of Patients to Access their Test Results

October 26, 2012

The Honorable Kathleen Sebelius Secretary United States Department of Health and Human Services

William V. Corr
Deputy Secretary, Department of Health and Human Services

Leon Rodriguez
Director, Office of Civil Rights

Marilyn Tavenner Administrator, Centers for Medicare and Medicaid Services

Thomas R. Frieden
Director, Centers for Disease Control and Prevention

cc: Todd Park, United States Chief Technology Officer Farzad Mostashari, National Coordinator for Health Information Technology Joy Pritts, Chief Privacy Officer, Office of the National Coordinator for Health Information Technology Bryan Sivak, Chief Technology Officer, Department of Health and Human Services

Re: Support for the 2011 Proposed Rulemaking on the CLIA Program and HIPAA Privacy Rule; Patients' Access to Test Reports, RIN 0938-AQ38

Dear Secretary Sebelius, Director Rodriguez, Administrator Tavenner, and Director Frieden:

On September 14, 2011, your agencies put forward a proposed rulemaking, RIN 0938-AQ38, which would expand patients' right to access their health records by giving them the right to receive their test results directly from laboratories. We are writing to voice our whole-hearted support for that proposed rule and to encourage you to do all in your power to finalize it promptly, so that the current obstacles patients face in gaining access to their test results are removed as soon as possible.

<u>Background</u>. The 2003 HIPAA Privacy Rule gave individuals the crucial right to access their protected health information. The 2009 HITECH Act modernized and broadened patient access rights further by allowing individuals to obtain copies of their records in electronic format. **Unfortunately, however, these access rights have proved illusory when it comes to laboratory test results.** The reason is that the Privacy Rule created an exception<sup>1</sup> from access

\_

<sup>&</sup>lt;sup>1</sup> 45 CFR § 164.524(a)(iii)(A) (2011).

rights for protected health information maintained by a covered entity subject to the Clinical Laboratory Improvements Amendments of 1988 (CLIA). In addition, regulations issued by the Centers for Medicare and Medicaid Services (CMS) permit test results to be released only to authorized persons and the individual responsible for using the test results. "Authorized persons" is defined as "an individual authorized *under State law* to order tests or receive tests, or both [*emphasis added*]."<sup>2</sup>

Because only a few states expressly authorize labs to release test results directly to patients, this regulatory framework prevents patients in all but a few states from having direct access to copies of their test results. The combination of the HIPAA Privacy Rule, the CMS CLIA rule, and state laws thus puts test results in a uniquely restricted category compared to other health information, which greatly impairs patients' ability to see, save, use, and share their own test results.

The Department's Proposed Rule. Your proposed Rule would break through this regulatory barricade and grant individuals the right to receive their test results directly from laboratories in all 50 states. The proposed Rule would accomplish this by (a) specifying that, upon patient request, laboratories may provide access to completed test results that, using the lab's authentication process, can be identified as belonging to that patient, and (b) removing the exceptions for CLIA-certified and CLIA-exempt labs from the HIPAA right of access to one's protected health information.

Your proposed Rule explained that, according to the Health Information Technology Policy Committee, many stakeholders, including some laboratories, public health authorities, electronic health record vendors, health policy experts, health information exchanges, and providers, perceive that these CLIA barriers impede patient access to their records and prevent patients from taking a more active role in their personal health care decisions. You also explained that providing direct patient access to lab results would support our national commitments and goals regarding the widespread adoption of EHRs, robust health information exchange, and greater patient engagement in healthcare.

Our position. We fully support the proposed Rule. Our reasons include:

- First and foremost, granting patients direct and timely access to test results will
  improve clinical care and patient outcomes. Patients can respond faster and more
  appropriately when they learn their test results quickly. For example, it is not unusual
  that the appropriate response to a particular lab result is to make an appointment with
  a relevant specialist or take other actions. But difficulties in reaching the ordering
  doctor may unnecessarily delay appropriate next steps, as well as create unnecessary
  stress during the "phone tag" period.
- Even worse, some patients are being harmed by never learning of their lab results.
   Approximately 7% of clinically significant test results tests that would have a potential impact on clinical care are never reported to patients, potentially delaying

<sup>3</sup> 42 CFR § 493.1291 (2011).

<sup>&</sup>lt;sup>2</sup> 42 CFR § 493.2 (2011).

<sup>&</sup>lt;sup>4</sup> 45 CFR § 164.524 (2011).

or preventing important treatment decisions and causing harm.<sup>5</sup> Giving patients direct access to their results would help reduce the number of test results lost entirely.

- We do not think that patients' direct receipt of their own lab results will cause them to suffer undue emotional harm, particularly since a provider can communicate promptly to provide context and interpretation. Some health systems have, in fact, found the opposite to be true; Kaiser Permanente has shown that delivering lab results online directly to patients in a timely fashion improves provider/patient relationships. In fact, even the availability of clinical notes written by one's physician has been recently shown to have minimal negative effects and significant positive outcomes. The results from three different health systems showed that patients accessed notes frequently, a large majority reported clinically relevant benefits and minimal concerns, and doctors reported a negligible increase in workload. No doctors elected to stop sharing their notes with patients and 99% of patients wanted the practice to continue. <sup>7</sup>
- A common reason for requesting one's lab results is often, somewhat ironically, so that they can be handed directly to a specialist or a new provider, especially when the circumstances are urgent. Patients can only deliver what they possess. If patients routinely access and save their lab results, they'll be available quickly in emergencies. As stated recently by Lygeia Ricciardi, acting director of the Office of the National Coordinator's Office of Consumer eHealth, "We want people to think about being empowered with information before that crisis hits."
- The clinical consequences of timely, direct access to one's health information are significant. Todd Park, the federal Chief Technology Officer, recently explained, "When patients have timely access to their records, they can spot errors and omissions, which improves treatment outcomes and helps them avoid unnecessary procedures. Getting access to your own data isn't an abstract thing. It can literally make the difference between life and death."
- The proposed Rule would help save money for our overburdened health care system.
   When patients cannot easily obtain and save copies of lab results and procedures, and thus cannot quickly share them with other providers, expensive tests and procedures often must be unnecessarily repeated.

<sup>&</sup>lt;sup>5</sup> Casalino LP, Dunham D, Chin MH, et al. Frequency of Failure to Inform Patients of Clinically Significant Outpatient Test Results. *Arch Intern Med*. 2009;169(12):1123-1129.

<sup>&</sup>lt;sup>6</sup> Silvestre, A, Sue, V, and Allen, J, Electronic Health Records: If You Build It, Will They Come? The Kaiser Permanente Model Of Online Health Care, Health Affairs, March/April 2009 28:2334-344; doi:10.1377/hlthaff.2

<sup>&</sup>lt;sup>7</sup> Delbanco, Tom MD, Inviting Patients to Read Their Doctors' Notes: A Quasi-experimental Study and a Look Ahead, Annals of Internal Medicine, Oct. 2, 2012, <a href="http://annals.org/article.aspx?articleid=1363511">http://annals.org/article.aspx?articleid=1363511</a>.

<sup>8</sup> Sarasohn-Kahn, Jane, Health IT Promotion Goes Direct-to-Consumer, iHealthBeat, Sept. 11, 2012, <a href="http://www.ihealthbeat.org/perspectives/2012/health-it-promotion-goes-directtoconsumer.aspx">http://www.ihealthbeat.org/perspectives/2012/health-it-promotion-goes-directtoconsumer.aspx</a>.

<sup>9</sup> Burns, Ed, ONC looks to make Blue Button public, boost patient engagement, SearchHealthIT.com, Sept.

Burns, Ed, *ONC looks to make Blue Button public, boost patient engagement*, SearchHealthIT.com, Sept 12, 2012, <a href="http://searchhealthit.techtarget.com/news/2240163116/ONC-looks-to-make-Blue-Button-public-boost-patient-engagement">http://searchhealthit.techtarget.com/news/2240163116/ONC-looks-to-make-Blue-Button-public-boost-patient-engagement</a>

- Currently, an exciting development we are seeing in the technology space today is the
  plethora of consumer-engaging, patient-empowering apps that provide actionable
  information consumers can use to improve their health. Much of this tech activity has
  been spurred by our national investment in HIT and EHRs. However, the success of
  many of these creative solutions hinges on patients having meaningful, practical access
  to their health data. Keeping crucial lab results excluded from the information patients
  can access not only hurts them directly, but also will hurt them indirectly by impeding
  the development of useful tools that could enable them to manage their health more
  effectively.
- Finally, as your proposed Rule pointed out, allowing direct access to lab results is
  entirely consistent with our national emphasis on the importance of patients being
  more engaged in managing their health. This priority, which has been consistently
  pursued through HITECH, Meaningful Use incentives, Medicare improvements,
  veterans' health programs, and other national initiatives, is crucial. Your proposed Rule
  would fill a gaping hole in patients' ability to access, appropriately respond to, save,
  and share their health information.

Thank you for issuing this proposed Rule and for considering our comments. We urge you to finalize it quickly. Further delays will not only continue to frustrate and harm patients but also are inimical to our national commitment to patient engagement and a more efficient and effective health system.

The list of the 637 individuals and organizations signing this consensus letter is attached.

	First	Last Name ( )	Position	Organization/Affiliation
		Last Name (and professional	(Optional)	(Optional)
	Name	credentials, if	(Optional)	(Optional)
		applicable)		
1.	Andrea	Ability	Board Member, Ovarian	Caring Together
1.			Cancer Survivor	
2.	Carter	Adamson	Co-Founder	Rdio
3.	Brian	Ahier	President	Gorge Health Connect, Inc
4.	Carolyn	Aldigé	President, Founder	Prevent Cancer Foundation
5.	Marc	Alexander	CEO and Co-Founder and	PROVITAL, Inc. and Stanford
٦.			Postdoc	Genetics
6.	Nancy	Amato	Community Manager	Social Code
7.	Michael	Amie	Student	Portland State University
8.	Margaret	Anderson	RN manager	Nathan Littauer
9.	Bonnie	Anderson	CEO, Co-Founder	Veracyte, Inc.
10.	Misha	Angrist (PhD)	Assistant Professor of the	Duke University Institute for
10.			Practice	Genome Sciences & Policy
11.	Diana	Autin	Executive Co-Director	Statewide Patient Advocacy
11.				Network of NJ, Family Voices NJ
12.	Michael	Avery	Support Analyst	PDS Tech, Inc.
13.	Linda	Avey	CEO	Curious, Inc.
14.	Florence	Bailes	Speaker Manager	O'Reilly Media
1 -	Ileana	Balcu	Communications Lead	Society for Participatory
15.				Medicine
16.	Karen	Ball	President, CEO	Sturge-Weber Foundation
17.	Ayeh	Bandeh-Ahmadi	Ph.D. Candidate	University of Maryland
10	Jessica	Barker	Director of Government	The Mesothelioma Applied
18.			Affairs	Research Foundation
	Daniel C.	Barth-Jones (MPH,	Assistant Professor of	Mailman School of Public Health
10		PhD)	Clinical Epidemiology	Columbia University
19.			Department of	
			Epidemiology	
20.	Jim	Beall	President	Beall F. P.
	Christine	Bechtel (MA)	Vice President	National Partnership for Women
21.				& Families
22.	Patricia	Beggiato	Fundraising & Advocacy	The Mastocytosis Society
23.	Tyler	Bell	Director of Product	Factual
24	Carla	Berg	Forum Founder	ParticipatoryMedicine.org
24.		_		(@s4pm)
25.	Michael	Bernstein	Founder	Urbsly
26.	Mate	Bestek	Owner	Activis
27.	Greg	Biggers	CEO	Genomera
28.	Amanda	Bishop	Founder	Stop ChartChasing
29.	Gina	Blaber	VP Conferences	O'Reilly Media, Inc.
<b>2</b> J .	J.114	2.480	VI COMETENCES	- Mainy Micula, Mic.

30.	Christine	Blouch	Professor	ICD User Group
31.	Drina	Boban		WellnessFX
32.	Jason	Bobe	Executive Director	PersonalGenomes.org
33.	Thomas	Bognanno	President, CEO	Community Health Charities of America
34.	Richard	Bookman	Faculty	University of Miami
35.	William R. ("Bill)	Braithwaite (MD, PhD, FACMI, FHL7)	Consultant	Health Information Privacy and Strategy
36.	Jeff	Brandt	Mobile Health Consultant	
37.	Kathy	Brill (Med, MPS)	Executive Director	Parent to Parent USA
38.	Juliana	Brixey	Assistant Professor	UTHealth University of Texas Health Science Center at Houston
39.	Andrew	Broman		Morgridge Institute for Research
40.	Apryl	Brown		Detroit Medical Reserve Corps
41.	Christine	Brown	Executive Director	National PKU Alliance
42.	Ted	Brown (MD, PhD, FACMG)	Director	Institute for Basic Research in Developmental Disabilities
43.	Clyde	Bryant		Pierpont Syndrome
44.	Kathleen	Buckley	President	Team Sanfilippo Foundation
45.	Wylie	Burke (MD, PhD)	Professor Chair	Department of Bioethics and Humanities University of Washington
46.	Hayman	Buwan	Resident Physician	McMaster University
47.	Hugo	Campos	Cardiac Patient, Patient Advocate	ICD User Group
48.	Kenneth	Carter	Co-Founder, Chairman	Noble Life Science, Inc.
49.	Joleen	Chambers	Patient Advocate	FiDA Failed Implant Device Alliance
50.	Steven	Chapkin	Vice President, Sales & Business Development	Dossia Service Corporation
51.	Robert	Chase (JD)		Law Offices of Robert S. Chase
52.	Grace	Chen	Member	Caring Together
53.	Thomas	Cheng	Board Member	Cooley's Anemia Foundation
54.	Panha	Chheng	CEO	Personiform
55.	Aneesh	Chopra (MPP)	Senior Advisor	The Advisory Board Company
56.	Joe	Christensen	President	Blaze Streaming Media, LLC.
57.	George	Church (PhD)	Professor Founder President	Harvard Medical School Personal Genome Projec PersonalGenomes.org
58.	Priscilla	Ciccariello	Co-President	Coalition of Heritable Disorders of Connective Tissues
59.	Gina	Cioffi	National Executive Director	Cooley's Anemia Foundation

60.	Marianne	Clancy	Executive Director	HHT Foundation International
61	Kathleen	Clark	Attorney, Founder,	Servant Lawyership
61.			Author	
62.	Michelle	Cleveland	Administrative Officer	STHL
63.	Hugh	Cline	Professor	Teachers College, Columbia
03.				University
64.	Amy	Clugston	Founder, President	Syndromes Without a Name
04.				USA
65.	Eli	Cochran	Project Manager	University of California, Berkeley
66.	Matthew	Cockerill	Managing Director	BioMed Central
67.	Monica	Coenraads	Executive Director	Rett Syndrome Research Trust
68.	Amy	Colberg	Director of Governmental	Brain Injury Association of
00.			Affairs	America
69.	Christy	Collins	President	M-CM Network
70.	Brenda	Conger		Cardio-Facio Cutaneous
				International
71.	Rhonda	Connolly	President	Children's PKU Network
72.	Jacomo	Corbo	Chief Scientist	QuantumBlack
73.	Bev	Corwin	Consultant	Consultant
74.	Andy	Cosgrove		Icosystem
75.	Paul	Courtney	Biomedical Informaticist	Dana-Farber Cancer Institute
76.	Pierre-Yves	Couteau	VP	Catch.com
77.	Mike	Critelli	President and CEO	Dossia Service Corporation
78.	John	Crutcher	President, Board of	RISE: A Community Service
			Directors	Partnership
79.	Donna	Cryer (JD)	President, CEO	American Liver Foundation
80.	Jonathan	Darer (MD)	Chief Innovation Officer	Geisinger Health System
81.	Frank	Davis	President	Spastic Paraplegia Foundation
82.	e-Patient	deBronkart	Co-Founder, Board	Society for Participatory
	Dave		Member, Past Co-Chair	Medicine
83.	Anne	Degheest	Managing director	Medstars
84.	Mary-	DeGrazia-DiTucci	President, Patient	Association of Gastrointestinal
	Angela		Founder	Motility Disorders, Inc.
85.	Nathan	DiNiro	Program Manager	SW Houston ACO
86.	Alexandra	Drane	Co-founder, Chief	Eliza
			Visionary Officer	
87.	Billie	Duncan-Smith		CADASIL Together We Have
				Hope
88.	Karen	Durant (RN, BSN)	President	The NOMID Alliance
89.	Esther	Dyson	Principal	EDventure Holdings
90.	Diane	Edquist Dorman	Vice President of Public	National Organization for Rare
			Policy	Disorders
91.	Naras	Eechambadi	Senior Vice President and	CSG International
			General Manager	

		1		
	Robert	Ellis	Director of Operations &	Consumers' CHECKBOOK /
92.			Online Information	Center for the Study of Services
			Resources	
93.	Paul	Elsass (MSM)	Wellness Business,	Healthy Achievers, a Boon
93.			Development Manager	Group Company
94.	Gail	Embt	CEO	Kinergy Health
95.	Dwight	Epps	Director	Katsujinken Foundation
96.	Bettina	Experton	President	Humetrix
97.	Roseanne	Fallin	Web producer	O'Reilly Media
	Andrew	Faucett (MS)	Director of Policy &	Geisinger Health System
98.			Education, Genomic	
			Medicine Institute	
99.	Laurie	Fenton	President, CEO	Lung Cancer Alliance
100.	Heather	Ferguson	Executive Director	Lymphedema Advocacy Group
101.	J Tod	Fetherling	Chairman	Stratasan
102.	Muriel	Finkel		Amyloidosis Support Groups,
102.				Inc.
103.	Hagen	Finley	Sales Engineer	EMC
104.	Alexey	Fomenkov (PhD)	Visiting Scientist	New England Biolabs
105.	Ann	Fonfa	President	Annie Appleseed Project
	Peg	Ford	Research Advocate	Ovarian Cancer Advocacy
106.			Chair	Alliance
			Partner Member	Ovarian Cancer National Alliance
	Lara	Fournier (MS,	Project Manager,	OHSU Knight Cancer Institute
107.		CCRP)	Bioinformatics Shared	
			Resource	
	Gregory	Fowler (PhD)	Affiliate Associate	Oregon Health and Science
108.			Professor Department of	University
100.			Public Health and	
			Preventive Medicine	
109.	Tamara	Frazier	Attorney	Fish and Robertson
110.	John	Freedman (MD,	Principal	Freedman Healthcare LLC
		MBA)		
111.	Jeff	French	Designer	WellnessFX
112.	Stephen H.	Friend (MD, PhD)	President	Sage Bionetworks
113.	Christina	Galanis	Executive Director	Southern Tier HealthLink
114.	Terry	Gardiner	Owner	theTEAMcompany.com
115.	Justin	Gatewood	Attending Physician	MedStar Health
116.	Bruce	Gaughran	President	The Kennedy's Disease
				Association
117.	Brent	Gendleman	President and CEO	5AM Solutions
118.	Marianne	Genetti	Executive Director	In Need of Diagnosis, Inc.

	Alejandra	Gepp (MA, Ed, HD)	Associate Director,	National Council of La Raza
119.			Institute for Hispanic	
			Health	
120.	Carole	Gibson Morton	Chair	Alpha-1 Advocacy Alliance
121.	Kamal	Gill	Product Engineer	ClearCare Inc.
122.	Louise	Glasgow	Producer	Chispa Productions
123.	Marie	Godrey (PhD)		Genetics Department, The Johns
123.				Hopkins University
124.		Goldman	Founding President	Ovarian Cancer National Alliance
125.	Ghananeel	Gondhali	Principal	Saama Technologies
126.	Alan	Greene (MD, FAAP)	Founder	DrGreene.com
127.	Bastian	Greshake	Co-Founder	openSNP
128.	Kirsten	Griffin	Project Coordinator,	Southern Tier HealthLink
120.			Provider Relations	
129.	Adrian	Gropper (MD)	Principal	HealthURL
130.	Avram	Grossman	President/CEO	E-Novative, Inc.
131.	William	Gunn	Head of Academic	Mendeley
131.			Outreach	
132.	Helge	Gunther	Retired business owner	Cytran
133.	Chris	Hafner-Eaton (PhD,	Health Science Policy	National Institutes of Health
155.		MPH, NDc)	Analyst, Science Writer	
134.		Halamka	Chief Information Officer	Beth Israel Deaconess
135.	Julia	Hallisy	Founder and President	The Empowered Patient
133.				Coalition
	Rebekah	Hamilton (PhD, RN)	Associate Professor	Women, Children and Family
136.				Nursing, College of Nursing,
		_		Rush University
137.		Hammond	СТО	Narrative Science
138.		Harlow (JD, MPH)	Principal	The Harlow Group LLC
139.	Mark	Harmel	MPH Student	USC
140.	Helen	Haskell	President	Mothers Against Medical Error
141.	Don	Haut	Vice President	The Medroves Co.
142.	•	Healy	Founder & CEO	Health Team LLC
143.	Diane	Heditsian	Chief Executive Officer, Creative Officer	deClarity bioCommunications
144.	Chris	Hempel	Founder	Addi and Cassi Fund
145.	James	Hendler	Professor	Rpi
	Mike	Hendrickson	Vice President, Content	O'Reilly Media, Inc.
146.			Strategy	
147.	Karen	Herzog	Co-Founder & Executive	Sophia's Garden Foundation
14/.			Director	
	Jamie	Heywood	Co-Founder, Chairman,	Patients Like Me
148.			Founder, Former CEO	ALS Therapy Development
				Institute

149.	Robert	Hillmann	Director	Cinergy
150.	Marc	Hodosh	Co-Creator, President	TEDMED, Hodosh Productions
151.	Maggie	Hoffman	Director	Project Delivery of Chronic Care
152.	Kim	Hollander	Executive Director	Oxalosis & Hyperoxaluria Foundation
153.	Pablos	Holman	Hacker	Intellectual Ventures Lab
154.	Kent	Horvath	Medical Student	New Jersey Medical School
155.	Gilberte	Houbart	Director, Media and Product Design	Delta Capital Partners
156.	Erich	Huang	Director, Cancer Research	Sage Bionetworks
157.	Graham	Hughes	Chief Medical Officer	SAS Institute
158.	Karina	Hughes		Genentech
159.	Kevin	Hughes (MD, FACS)	Surgical Director	Breast Cancer Screening, Massachusetts General Hospital
160.	Jason	Jacobs	Co-Founder, CEO	FitnessKeeper
161.	Leila	Jamal	Genetic Counselor	Kennedy Krieger Institute
162.	Lauren	James	Attorney	Wittie, Letsche & Waldo, LLP
163.	George	Jesien (PhD)	Executive Director	Association of University Centers on Disabilities
164.	Susan	Kahn		National Tay-Sachs & Allied Disease Association
165.	Vicki	Kalabokes	CEO	National Alopecia Areata Foundation
166.	Rachel	Kalmar	Founder	Sensored
167.	Peter	Kapitein	President	Inspire2Live
168.	George	Kassabgi	Co-Founder	Keas.com
169.	Jeffrey	Kaufman	Executive Director	Adenoid Cystic Carcinoma Research Foundation
170.	James	Kean	CEO	WellnessFX
171.	Chris	Keene	Vice President	VMware
172.	Donald	Kemper	Founder, CEO	Healthwise
173.	Carole	Kenner (PhD, RN, FAAN)	Dean, Professor	Northeastern University School of Nursing
174.	Howard	Keziah	Owner	SalesLore LLC
175.	Murdoc	Khaleghi	Medical Director	WellnessFX
176.	lya	Khalil	Executive Vice President and Co-Founder	GNS Healthcare
177.	Thelma	King Thiel	CEO	Hepatitis Foundation International
178.	Stephen	Kingsmore (MB, ChB, BAO, DSc, FRCPath)	Director	Center for Pediatric Genomic Medicine, Children's Mercy Hospitals and Clinics
179.	Crystal	Kithcart	Database Coordinator	Southern Tier HealthLink

180.	Shelly	Kramer	Owner	V3 integrated Marketing
101	Chitra	Krishnan (MHS)	Executive Director	The Transverse Myelitis
181.				Association
102	Sarah	Krüg	President, Executive	Society for Participatory
182.			Director	Medicine, CANCER101
183.	Gretchen	Kubacky, Psy.D.	Health Psychologist	Gretchen Kubacky, Psy.D., Inc.
184.	Vince	Kuraitis	Principal	Better Health Technologies, LLC
185.	Jessica	Ladd	Executive Director	Sexual Health Innovations
186.	David	Lansky (PhD)	President, CEO	Pacific Business Group on Health
187.	David	LaPlante	CMO	Chrysallis
188.	Alice	Lara	President, CEO	Sudden Arrhythmia Death
100.				Syndrome Foundation
189.	Jon	Lebkowsky	CEO	Polycot Associates
190.	David	Ledbetter (PhD)	Executive Vice President	Geisinger Health System
			and co-founder	
191.	Connie	Lee (Psy. D.)	Founder	Angioma Alliance
192.	Deb	Lee Gould (MEd)	Director	FOD Family Support Group
193.	Rigby	Leighton		R Leighton, LLC
194.	Susan	Levin	President	Lung Cancer Circle of Hope
195.	Howard	Liebers (MPH)	Founder, CEO	MarbleRoad
196.	David	Lindeman (PhD)	Director	Center for Technology and Aging
197.	Mike	Liveright	System Administrator	Wematter.com
198.	Michele	Lloyd-Puryear (MD, PhD)	Special Advisor	National Institutes of Health
199.	Susan	Lomas	President	Phelan-McDermid Syndrome
199.				Foundation
200.	William	Long	Founder	PatientsChoose
201.	Martha	Lopez-Anderson	Chair, Board of Directors	Parent Heart Watch
202.	Rob	Lord	Founder & CEO	Pioneers of the Imminently
202.				Feasible
203.	Susan	Love (MD)	President	Dr. Susan Love Research
				Foundation
204.	Yasmin	Lucero	Statistician	Signal to Noise Consulting
205.	Jeantine	Lunshof (PhD)	Ethics Advisor, Professor	Personal Genome Project, VU
			of Bioethics	University Amsterdam
206.	Desiree	Lyon	Executive Director	American Porphyria Foundation
207.	Scott	Mace	Senior Technology Editor	HealthLeaders Media
208.	Roger	Magoulas	Research Director	O'Reilly Media
209.	Erin	Maneri	Manager	Accenture Technology Labs
210.	Lisa	Mann	Copywriter	O'Reilly Media, Inc.
211.	Michael	Maranda	Founder, CEO	Open Stewardship Group
212.	David	Margulies (MD)	Executive Director	Gene Partnership, Boston
	., .			Children's Hospital
213.	Kendra	Markle	Researcher	Stanford University

214.	Jan	Marshall	Chair, Scientific Advisory Board	Alstrom Syndrome International
215.	Philip	Marshall (MD, PhD)	Healthcare Technologist	Consumer Advocate
216.	Ellen	Marshall (MS, L- CSW)	Director of Oncology Support Programs	Benedictine Hospital
217.	Robin	Maupin		OASIS of Southern California
218.	Carol	McCall	Chief Strategy Officer	GNS Healthcare
219.	Vicki	McCarrell	President	The Moebius Syndrome Foundation
220.	Kathryn	McCurdy	Owner	Katie McCurdy Experience Design
221.	Deven	McGraw (JD)	Director, Health Privacy Project	Center for Democracy &Technology
222.	Steve	McPhail	President, CEO	Expression Analysis, Inc.
223.	Graham	Melcher	VP Engineering	WellnessFX
224.	Romain	Mervil	Manager	Fabernovel
225.	Michael	Millenson	President-Elect	Society for Participatory Medicine
226.	Gary	Miller		AAUG
227.	Darryl	Mitteldoft (LCSW)	Director	The LGBT Cancer Project
228.	Staci	Molyneaux	System Analyst	UHS Hospitals
229.	Kathleen	Mott (RN, MS, NP, APNG)		North Bay Cancer Risk Assessment Services
230.	John	Mountz (MD, PhD)	J.W. Goodwin Professor of Medicine	Dept. of Medicine, Division of Rheumatology, University of Alabama
231.	Steve	Munini	COO	Dossia Service Corporation
232.	Bernard	Munos	Founder	InnoThink Center for Research in Biomedical Innovation
233.	Stephen	Murphy	Positive Organization Development	ReSearch In Action
234.	Beth	Najberg	Principal	Beginnings
235.	Sharon	Natale		Cholangiocarcinoma.org
236.	Andrew	Natenshon	Head China Research Strategy and Operations	Novartis Vaccines
237.	Steven	Nelson	Co-Founder	BigEvidence (medical evidence for clinicians)
238.	IPH	NET	CEO	IPH-NET
239.	Scott	Nicholson	Chief Data Scientist	Accretive Health
240.	Sean	Nolan	Distinguished Engineer	Microsoft HealthVault
241.	Don	Norsbeck (Esq.)	Chief Architect	Virtual Computing Company

	Robert	Nussbaum (MD,	Chief, Division of	UCSF Medical Center
2.42		FACP, FACMG)	Genomic Medicine;	
242.			Director, Cancer Risk	
			Program	
243.	Miriam	O'Day		Alpha-1 Foundation, Alpha-1
243.				Association, COPD Foundation
244.	Kieran	O'Doherty (PhD)		Department of Psychology,
244.				University of Guelph
245.	Tim	O'Reilly	CEO	O'Reilly Media, Inc.
246.	Andrew	Oram	Editor	O'Reilly Media, Inc.
247.	Craig	Palmer	Senior Web Producer	O'Reilly Media, Inc.
248.	Emily	Pape	Deputy Director	Southern Tier Healthlink
249.	Jay	Parkinson	CEO	Sherpaa
250.	Ashish	Patel	Developer	NotOnlyFor.com
251.	Lynn	Pedraza (PhD)	Executive Director	Family Voices
252.	Mary	Pendergast (JD, LLM)		Pendergast Consulting
253.	Sara	Peyton	PR Manager	O'Reilly Media
254.	Brad	Phillips		Fabricatorz
255.	Jon	Phillips	Founder	Fabricatorz
256.	Sharon	Pierce	Strategic Accounts	O'Reilly Media
250.			Manager	
257.	Jeanne	Pinder	CEO, founder	ClearHealthCosts
258.	Brigitte	Piniewski	CMS	PeaceHealth Laboratories
259.	Matthew	Pohlman	Data Scientist, Analytics Lead	Explorys
260.	Daniel	Pucci	VP	Allscripts
261.	Ernesto	Ramirez	Community organizer	Quantified Self Labs
262.	Taran	Rampersad	Managing Partner	KnowProSE LLC
263.	William	Raynovich	Associate Professor	Creighton University
	Heidi	Rehm (PhD,	Director	Laboratory for Molecular
264.		FACMG)		Medicine, Partners Healthcare
204.				Center for Personalized Genetic
				Medicine
265.	Jacqueline	Reinhard	Executive Director	SHARE: Self-help for Women
205.				with Breast or Ovarian Cancer
266.	Tiffany	Renee	Vice Mayor	City of Petaluma
267.	Sherry	Reynolds	Executive Director	Alliance4Health
268.	Catherine	Rice	Executive Director	International Essential Tremor
				Foundation
269.	Rebecca	Richman	Operations Analyst	O'Reilly Media
	Michelle	Rintamaki	President, Director	Kids With Heart National
270.				Association for Children's Heart
				Disorders, Inc.

271.	Peter	Robinson (MD)	Professor of Medical Genomics	Institute for Medicinal Genetics and Human Genomics, Berlin, Germany
272.	Dan	Rode (MBA,CHPS, FHFMA)	Vice President, Advocacy and Policy	AHIMA (American Health Information Management Association)
273.	David	Rogers		Excira Technologies
274.	Kari	Rosbeck		Tuberous Sclerosis Alliance
275.	Clarke	Ross	Policy Associate	American Association on Health and Disability
276.	Laura	Ruma	Director	O'Reilly Media
277.	Wojciech	Rychlik (PhD)		Molecular Biology Insights, Inc.
278.	Marijo	Rymer	Executive Director	The Arc of Colorado
279.	Soheil	Saadat (MD)	CEO & Founder	GenieMD, LLC
280.	Paul	Saarinen	CEO	Miinome, Inc.
281.	Lisa	Salberg		Hypertrophic Cardiomyopathy Association
282.	Lori	Sames	Executive Director	Hannah's Hope Fund
283.	Daniel Z.	Sands (MD, MPH, FACP)	Assistant Clinical Professor of Medicine, Co-Founder, Past President	Harvard Medical School, Society for Participatory Medicine
284.	June	Sargent	Marketing Consultant	Marketing Moxie
285.	Mark	Schiller, MD	Co-Founder	Doctor Patient Medical Assn
286.	Neil	Schmidt	Principal Analyst	ARM Resource Systems
287.	Jody	Schoger	Founder	WomenWithCancer
288.	Lisa	Schoyer (MFA)	Founder, Chair	RASopathies Network USA
289.	Conrad	Schuerch (MD)	Medical Director of Lab Services, Chair- Lab Medicine	Geisinger Health System
290.	Michael	Scott	Chairman, Board of Directors	National Organization for Rare Disorders
291.	Cindy	Scurlock	Executive Director	Turner Syndrome Society of the United States
292.	Kathryn A.	Serkes	CEO & Chairman	Doctor Patient Medical Assn
293.	Hemant	Shah	Sr. Biomedical Informatics Researcher	Henry Ford Health System
294.	Laura	Shawver (PhD)	Founder	The Clearity Foundation
295.	Susan	Shea	Behavior Analyst	Behavioral Network, Inc
	Robert	Shelton	CEO Former Executive	Private Access, Inc. Klinefelter Syndrome &
296.			Chairman	Associates
296. 297.	Steven	Sikes	Chairman Founder/President	Associates QUESTCOURSE, LLC

299.	Warren	Smith	Managing Director	Forest Island
300.	Tor	Solli-Nowlan	President	LA Biohackers
301.	Andrew	Spiegel (Esquire)	CEO	Colon Cancer Alliance
302.	Dean	Sproles	CEO	Iverson Genetic Diagnostics, Inc.
	Theresa	Strong (PhD)	Strong (PhD)	Foundation for Prader-Willi
303.				Research
304.	Robin	Strongin	President, CEO	Amplify Public Affairs
305.	Peter	Suber	Director	Harvard Open Access Project
306.	Sara	Sukalich (MD)	Chair, Board of Directors	Angioma Alliance
307.	Destry	Sulkes	Co-founder	Medivo, Inc
308.	llene	Sussman	Executive Director	VHL Family Alliance
309.	Katherine	Sutherland (MD)		Women Physicians GYN Medical
303.				Group, Inc.
310.	Keith	Swafford	Sales Associate	O'Reilly Media
311.	Naz	Sykes	Executive Director	Dr. Susan Love Research
				Foundation
312.	Richard	Syne (DMin)	President, CEO	CurePSP
	Gordon			
313.	Patty	Taormino	Board of Directors	Team Sanfilippo Foundation
	David	Tegay (DO,	Chair	New York Institute of
314.		FACMG, FACOI)	Dept. of Medicine	Technology
				New York College of Osteopathic Medicine
				i Medicine
215	Cara	Tenenhaum	VP for Policy	
315.	Cara	Tenenbaum	VP for Policy	Ovarian Cancer National Alliance
316.	Sharon	Terry	President, CEO	Ovarian Cancer National Alliance Genetic Alliance
316. 317.	Sharon Makani	Terry Themba	President, CEO Executive Director	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project
316.	Sharon	Terry	President, CEO	Ovarian Cancer National Alliance Genetic Alliance
316. 317. 318.	Sharon Makani	Terry Themba	President, CEO Executive Director	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation
316. 317.	Sharon Makani Mary Lou	Terry Themba Thompson	President, CEO Executive Director President, CEO	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm
316. 317. 318. 319.	Sharon Makani Mary Lou	Terry Themba Thompson	President, CEO Executive Director President, CEO Online Communities	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation
316. 317. 318.	Sharon Makani Mary Lou Jennifer	Terry Themba Thompson Thornburn	President, CEO Executive Director President, CEO Online Communities Officer	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society
316. 317. 318. 319.	Sharon Makani Mary Lou Jennifer	Terry Themba Thompson Thornburn	President, CEO Executive Director President, CEO Online Communities Officer	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society Cutaneous Lymphoma
316. 317. 318. 319.	Sharon Makani Mary Lou Jennifer Susan	Terry Themba Thompson Thornburn Thornton	President, CEO Executive Director President, CEO  Online Communities Officer CEO	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation
316. 317. 318. 319. 320.	Sharon Makani Mary Lou Jennifer Susan	Terry Themba Thompson Thornburn Thornton Thornton	President, CEO Executive Director President, CEO  Online Communities Officer CEO	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation
316. 317. 318. 319. 320. 321.	Sharon Makani Mary Lou Jennifer Susan Mark Docktur	Terry Themba Thompson Thornburn Thornton Thornton (MD, MPH, PhD) Todd	President, CEO Executive Director President, CEO  Online Communities Officer CEO  President  CEO/President/Senior Executive Consultant	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation Sarcoma Foundation of America  The Consultants Group
316. 317. 318. 319. 320.	Sharon Makani Mary Lou  Jennifer Susan Mark  Docktur  Jeffery	Terry Themba Thompson Thornburn Thornton Thornton (MD, MPH, PhD) Todd Toughill	President, CEO Executive Director President, CEO  Online Communities Officer CEO  President  CEO/President/Senior Executive Consultant President	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation Sarcoma Foundation of America  The Consultants Group  Histocytosis Association
316. 317. 318. 319. 320. 321. 322. 323.	Sharon Makani Mary Lou Jennifer Susan Mark Docktur	Terry Themba Thompson Thornburn Thornton Thornton (MD, MPH, PhD) Todd	President, CEO Executive Director President, CEO  Online Communities Officer CEO  President  CEO/President/Senior Executive Consultant President  Director of Collaborative	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation Sarcoma Foundation of America  The Consultants Group
316. 317. 318. 319. 320. 321. 322. 323. 324.	Sharon Makani Mary Lou  Jennifer Susan Mark Docktur  Jeffery Keith	Terry Themba Thompson Thornburn Thornton Thornton (MD, MPH, PhD) Todd Toughill Toussaint	President, CEO Executive Director President, CEO  Online Communities Officer CEO  President  CEO/President/Senior Executive Consultant President  Director of Collaborative Development	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation Sarcoma Foundation of America  The Consultants Group  Histocytosis Association Mayo Clinic
316. 317. 318. 319. 320. 321. 322. 323. 324. 325.	Sharon Makani Mary Lou  Jennifer Susan Mark  Docktur  Jeffery Keith Matthew	Terry Themba Thompson Thornburn Thornton Thornton (MD, MPH, PhD) Todd Toughill Toussaint Trentacoste	President, CEO Executive Director President, CEO  Online Communities Officer CEO  President  CEO/President/Senior Executive Consultant President  Director of Collaborative Development Owner	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation Sarcoma Foundation of America  The Consultants Group  Histocytosis Association Mayo Clinic  Empty Research
316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326.	Sharon Makani Mary Lou  Jennifer  Susan  Mark  Docktur  Jeffery Keith  Matthew Mary	Terry Themba Thompson Thornburn Thornton Thornton (MD, MPH, PhD) Todd Toughill Toussaint Trentacoste Treseler	President, CEO Executive Director President, CEO  Online Communities Officer CEO  President  CEO/President/Senior Executive Consultant President Director of Collaborative Development Owner Editorial Strategist	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation Sarcoma Foundation of America  The Consultants Group  Histocytosis Association Mayo Clinic  Empty Research O'Reilly Media Inc.
316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327.	Sharon Makani Mary Lou  Jennifer Susan Mark  Docktur  Jeffery Keith  Matthew Mary Kari	Terry Themba Thompson Thornburn Thornton Thornton (MD, MPH, PhD) Todd Toughill Toussaint Trentacoste Treseler Ulrich	President, CEO Executive Director President, CEO  Online Communities Officer CEO  President  CEO/President/Senior Executive Consultant President  Director of Collaborative Development Owner  Editorial Strategist e-patient	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation Sarcoma Foundation of America  The Consultants Group  Histocytosis Association Mayo Clinic  Empty Research O'Reilly Media Inc. FMD Chat
316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326.	Sharon Makani Mary Lou  Jennifer  Susan  Mark  Docktur  Jeffery Keith  Matthew Mary	Terry Themba Thompson Thornburn Thornton Thornton (MD, MPH, PhD) Todd Toughill Toussaint Trentacoste Treseler	President, CEO Executive Director President, CEO  Online Communities Officer CEO  President  CEO/President/Senior Executive Consultant President Director of Collaborative Development Owner Editorial Strategist	Ovarian Cancer National Alliance Genetic Alliance The Praxis Project Benign Essential Blepharospasm Research Foundation AKU Society  Cutaneous Lymphoma Foundation Sarcoma Foundation of America  The Consultants Group  Histocytosis Association Mayo Clinic  Empty Research O'Reilly Media Inc.

220	Brian	Van Ness	Director	Medical Genomics, University of
330.				Minnesota
331.	Chip	Vanek	СТО	JumpDaily
332.	Timothy	Vaughan	Research Scientist	Patients Like Me
333.	Marianne	Vennitti	Administrator	Alliance for FCryoglobulinemia
334.	Jacque	Waggoner	CEO	Hunter's Hope Foundation
335.	Jonathan	Wald	Director, Patient-	RTI International
335.			Centered Technologies	
336.	Ann	Waldo (JD)	Partner	Wittie, Letsche & Waldo, LLP
337.	Betsy	Waliszewski	Sr. Marketing Manager	O'Reilly Media
338.	Jaimey	Walking Bear	Marketing Manager	O'Reilly Media
339.	Stephen	Walli	Technical Director	Outercurve Foundation
340.	Will	Ware	Software Engineer	GenomeQuest, Inc.
341.	Kalina	Warren	President	National Adrenal Diseases
341.				Foundation
342.	Fredrick	Watters	ER Nurse/FNP Student	EMMC/UMaine
343.	Jennifer	Webb	Freelance writer/editor	O'Reilly Media, Blue Pencil Co.
344.	Larry	Weiss	CSO	CleanWell Company
345.	Gregory	Weiss		APBD Research Foundation
346.	Ben	West	Patient	Insaulaudit Author
347.	Earle	West	СТО	Transactional Web LLC
348.	Cheryl	West	Director of Governmental	American Association for
340.			Affairs	Respiratory Care
349.	Robert	West, Jr.	Associate Professor	SUNY Upstate Medical
343.				University
350.	Kathie	Westpheling	Executive Director	Association of Clinicians for the
330.		(MPH)		Underserved
351.	Cherie	Whitaker	Publicist	CLW Public Relations
352.	Lale	White	Executive Chairman, CEO	XIFIN
353.	Wendy	White	Board Member	National Organization for Rare
				Disorders
354.	Jeanne	Whiting		Desmoid Tumor Research
				Foundation
355.	John	Wilbanks	chief commons officer	Sage Bionetworks
356.	John	Wilibanks	Senior Fellow, Chief	Kauffman Foundation, Sage
			Commons Officer	Bionetworks
357.	Deborah	Williams-	Advocate	Community Economic
		Muhammad		Development
358.	Bart	Windrum	End of Life reform	Axiom Action
			advocate author/speaker	
359.	Sara	Winge	VP	O'Reilly Media
360.	Johann	Winkler	Chief Scientific Officer	GNS Healthcare

	Кау	Wissman	Former Director of	Y-ME National Breast Cancer
361.			Governmental Relations	Organization, Women With
				Норе
362.	Steve	Wojcik	VP of Public Policy	National Business Group on
302.				Health
363.	Jill	Wood	CFO, Co-Founder	Jonah's Just Begun
364.	Susan	Woods	MD	Society for Participatory
				Medicine
365.	Dean	Wray	Senior Market Analyst	Seeker Solutions
366.	Bill	Wright	Treasurer	LinuxFest Northwest
367.	Jeff	Wuchich	President	Alternating Hemiplegia of
307.				Childhood Foundation
368.	William A.	Yasnoff (MD, PhD)	Chairman, CEO	Health Record Banking Alliance
369.	Spencer	Young		Fabricatorz
370.	Colleen	Zak		ARPKD/CHF Alliance
371.	Karolina	Zatz		WellnessFX
372.	Steven	Zecola	Managing Director	Competitive Strategies, LLC
373.	Roni	Zeiger (MD)	CEO	Smart Patients, Inc.
374.	Peggy	Zuckerman	Patient, Chief	Invoke Health
5/4.			Investigator	
375 to 637	All of the above signatories listed their position and organizations. In addition, 263 individuals, whose names we are not posting publicly, signed in their individual capacity.  The total number of signatories to this letter is 637.			