

Supplement Material

Supplement Table ST1. Recruitment Activity by Month

Supplement Table ST2. MyChart Query

Supplement Table ST3. Facebook Query

Supplement Table ST4. Demographic Characteristics by Patient Portal Activity Group

Supplement Table ST5. Number of Additional Responses, Screening Visit Completions, and Enrollees Needed for Cost Equivalence

Supplement Figure SF1. MyChart Patient Portal Message

Supplement Figure SF2. Periodical Advertisement

Supplement Figure SF3. Source of Inquiry

ST1. Recruitment Activity by Month

Month	Recruitment Activity	Response Recorded (N)
2018		
April	<ul style="list-style-type: none"> • Trial website became active 	
May		
June	<ul style="list-style-type: none"> • 555 MyChart messages sent 	13
July	<ul style="list-style-type: none"> • Clinicaltrials.gov page went live • 500 MyChart messages sent • 1895 Inactive MyChart direct mail letters sent 	68
August	<ul style="list-style-type: none"> • 264 MyChart messages sent 	24
September		4
October		4
November		2
December	<ul style="list-style-type: none"> • 1188 active MyChart direct mail letters sent • 74 MyChart messages sent 	20
2019		
January	<ul style="list-style-type: none"> • 676 Previous participants direct mail letters sent • 1892 Repeat inactive MyChart direct mail letters sent • Newspaper periodicals activated* • 20 MyChart messages sent 	27
February	<ul style="list-style-type: none"> • Periodicals remain activated • Version 1 Facebook Ad goes live 	33
March	<ul style="list-style-type: none"> • 10341 Community direct mail letters sent • Version 2 Facebook ad goes live • 24 MyChart messages sent 	45
April	<ul style="list-style-type: none"> • Facebook ad ends 	8
May	<ul style="list-style-type: none"> • Website stops allowing participants to sign-up 	2
June		1

ST2. MyChart Query

Computable Phenotype Characteristics	Query Details
Demographic Criteria Health Conditions Health Care Utilization	>18 years old, zip codes within reasonable distance to study location ICD9 or 10 billing definition including the word “gout” All network locations

ST3. Facebook Query

Version 1	
Location	Eldersburg (+25 miles), Maryland, United States
Age	18-65+ years
Gender	Male
Language	English (UK) or English (US)
Detailed Targeting, People Who Match:	Interests: Rheumatology, American College of Rheumatology, Diabetes Mellitus Type 2 Awareness, World Hypertension Day, The Obesity Society, Alcohol, Blood Pressures, Ethanol, Alcoholic Beverages, Weight Loss (Fitness & Wellness), Gouts, Uric Acid, Arthritis Foundation or Management of Hypertension
Detailed Targeting Expansion	Off
Version 2	
Location	Eldersburg (+25 miles), Maryland, United States
Age	18-65+ years
Gender	Male
Language	English (UK) or English (US)
Detailed Targeting, People Who Match:	Interests: Sports, Automotive Industry, Motor Vehicle, Sports game or Sports car Job title: Car Driver
Detailed Targeting Expansion	Off

ST4. Demographic Characteristics by Patient Portal Activity Groups

	Active Users	Non-Active Users
Mean age (years)	65	68
Female, %	25	34
<i>Race</i>		
White, %	56	34
African American/Black, %	35	58
Asian/Pacific Islander, %	5	3
American Indian, %	<1	<1
Other/Unknown, %	3	4

Note: These data were based on the initial query. Active users could have been added to this list after initial query.

ST5. Number of Additional Responses, Screening Visit Completions, and Enrollees Needed for Cost Equivalence

Responses				
Source	Cost (\$)	Responded	Cost (\$)/Response	Number of Additional Responses Needed for Cost/Response to Equal the Reference
<i>EMR-Based Methods</i>				
MyChart Patient Portal Messaging	2,948.00	57	51.72	31
Postal Mailing: Active MyChart Users	1,598.20	21	76.10	27
Postal Mailing: Non-Active MyChart	1,685.25	50	33.71	Reference
Postal Mailing: Repeat Non-Active MyChart Users	1,698.66	22	77.21	29
<i>Non-EMR Based Methods</i>				
Postal Mailing: Previous Participants	148.02	3	49.34	2
Facebook	2,353.15	26	84.15	44
Postal Mailing: Community Mailing	8,643.61	46	187.90	211
Periodicals	1,828.00	7	261.14	48
Screening Visit Completions				
Source	Cost (\$)	SV Completions	Cost (\$)/SV Completion	Number of Additional SV Completions Needed for Cost/SV Completion to Equal the Reference
<i>EMR-Based Methods</i>				
MyChart Patient Portal Messaging	2,948.00	21	140.38	2
Postal Mailing: Active MyChart Users	1,598.20	2	799.1	11
Postal Mailing: Non-Active MyChart	1,685.25	13	129.63	Reference
Postal Mailing: Repeat Non-Active MyChart Users	1,698.66	7	242.67	7
<i>Non-EMR Based Methods</i>				
Postal Mailing: Previous Participants	148.02	1	148.02	1
Facebook	2,353.15	5	470.63	14
Postal Mailing: Community Mailing	8,643.61	11	785.78	56
Periodicals	1,828.00	2	914	13
Enrollees				

Source	Cost (\$)	Enrollees	Cost (\$)/Enrollee	Number of Additional Enrollees Needed for Cost/Enrollee to Equal the Reference
<i>EMR-Based Methods</i>				
MyChart Patient Portal Messaging	2,948.00	12	245.67	1
Postal Mailing: Active MyChart Users	1,598.20	1	1,598.20	6
Postal Mailing: Non-Active MyChart Users	1,685.25	7	240.75	Reference
Postal Mailing: Repeat Non-Active MyChart Users	1,698.66	4	424.67	4
<i>Non-EMR Based Methods</i>				
Postal Mailing: Previous Participants	148.02	0	-	1
Facebook	2,353.15	4	588.29	6
Postal Mailing: Community Mailing	8,643.61	7	1,234.80	29
Periodicals	1,828.00	1	1,828.00	7

Note: SV: Screening Visit; Per unit cost (\$0.22) of Previous Participant Mailing was based on the cost of paper, ink, postage, and envelope prices. Per unit cost of Active MyChart (\$0.88), Inactive MyChart (\$0.28), Repeat Inactive (\$0.88) and Community Mailing (\$0.68) was based on the cost of brochure printing, mail house labeling fees, mail house envelope fees, mail house delivery fees, USPS shipping fees, and returned postcards postage and handling fees. Community mailing had an added fee per name of male individuals (\$0.60). Annual fees for bulk mailing and business reply through USPS applied to all unique mailing types (\$540). One-time query development fee applied to Active and Inactive MyChart mailing types (\$588).

SF1. MyChart Patient Portal Message

In addition to providing medical care, physicians at Johns Hopkins conduct research with the ultimate goal of improving health. Hopkins researchers are looking for volunteers to participate in a research program, called the Diet Gout (DiGo) Trial, that tests the effects of a healthy diet on uric acid levels in the blood, which is an important risk factor for gout flares. You are receiving this email because you might qualify for this study based on your age and geographic location.

Benefits to participation include \$420 of groceries over 4 weeks, up to \$75 for lab work, laboratory results, blood pressure measurements, and an opportunity to contribute to our knowledge about how diet affects gout.

Is the Diet Gout (DiGo) Trial for you?

If you answer YES to all 3 of these questions, you may be eligible:

Are you age 18 or older?

Have you been told you have gout by a health professional?

Are you not taking any medications to lower uric acid (no allopurinol, no febuxostat, no probenecid)?

If the Diet Gout (DiGo) Trial seems right for you, or to learn more:

Call: (410) 281-1600

Email: digo@jhu.edu

Visit: www.digotrial.org

Sincerely,

Daniel E. Ford, MD, MPH
Vice Dean for Clinical Investigation
Director, Institute for Clinical and Translational Research
ICTR Research Recruitment Office

Edgar R Miller III, MD, PHD
Principal Investigator of STURDY
Protocol #: IRB00153409

This message was approved by Johns Hopkins Medicine IRB.

Please do not respond to this MyChart message. For any questions about this trial, please use the contact information above. For more information and frequently asked questions (FAQs) related to research recruitment through MyChart, visit <https://ictr.johnshopkins.edu/community/community-involvement/mychart-recruitment-messages/>. To unsubscribe from all future MyChart research recruitment messages, please email research_recruitment@jhmi.edu. Provide feedback on MyChart messaging here: https://jhmi.co1.qualtrics.com/jfe/form/SV_8wTel1xHVl0RFrv

SF2. The Beacon Periodical Advertisement

Have You Ever Had Gout?

If you answered yes, you may be eligible for the DiGo Trial, a research program to look at a diet to lower risk for gout.

All participants will receive \$105 in food for 4 weeks and up to \$75 for lab work

You may be eligible if you:

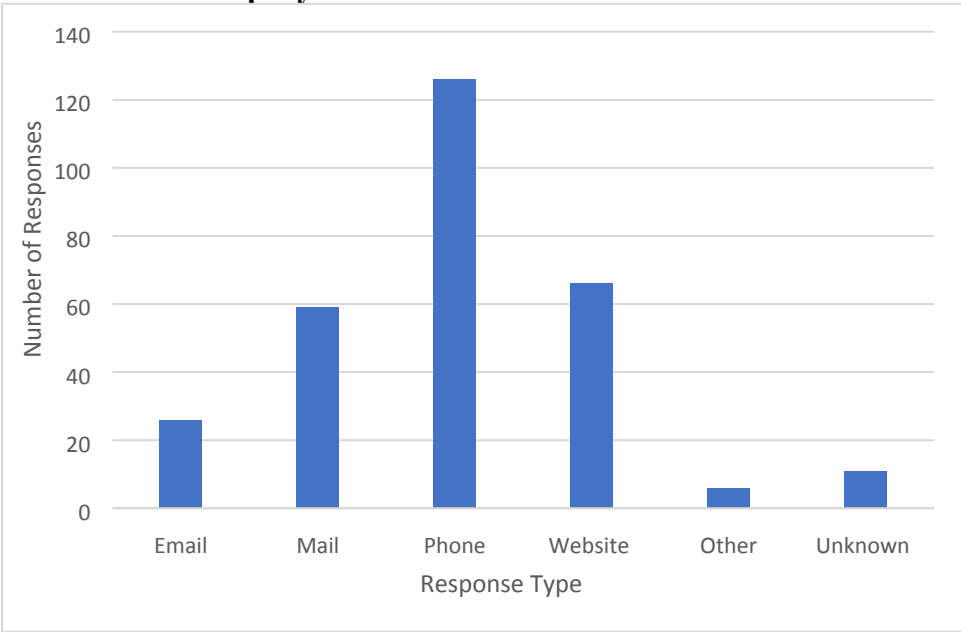
- Are at least 18 years of age
- Have had gout or high uric acid level
- And you do not take medication to lower uric acid

**For more information, call today:
410-281-1600**

Researchers at Johns Hopkins University are joining with Harvard Medical School scientists to conduct this important research study.

Protocol Title: Diet Gout (DiGo) Trial
Application No.: IRB00153409
Principal Investigator: Edgar R. Miller 3rd, MD PhD

SF3. Source of Inquiry



Title: Use of electronic recruitment methods in a clinical trial of adults with gout

Manuscript ID: CT-20-0102.R1

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Running Head:

Recruitment methods in adults with gout

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