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# SWIFT PRIME Study

Houston, TX  
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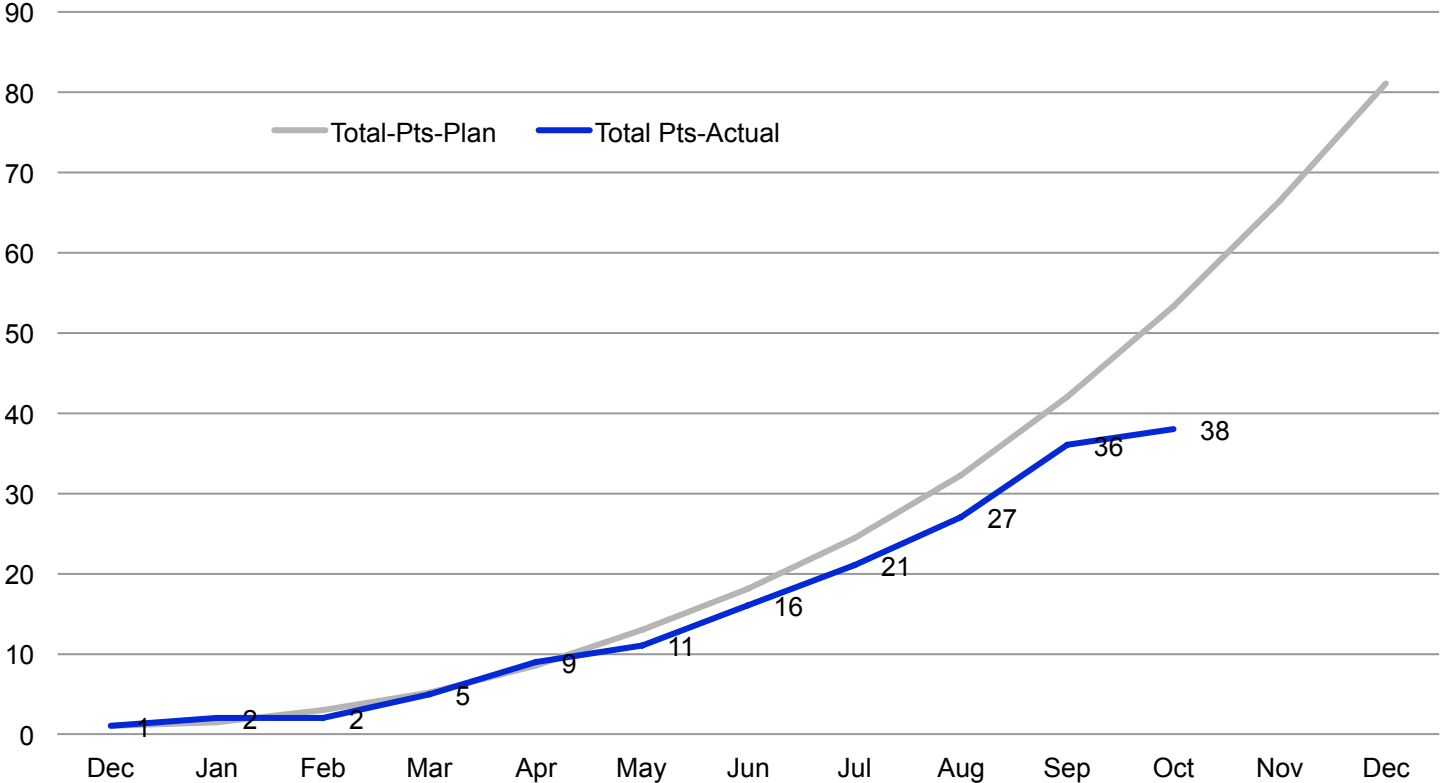


# SWIFT PRIME - Enrollment

SWIFT PRIME Enrollment					
Site Name	Country	PI	IV tPA	IV tPA + SFR	Total
Chattanooga Center for Neurologic Research / Erlanger Hospital	US	T. Devlin	5	3	8
University of Buffalo Neurosurgery (UBNS)	US	A. Siddiqui	3	5	8
Oregon Health and Sciences University (OHSU)	US	W. Clark	3	2	5
Ohio Health Research Institute / Riverside Methodist Hospital	US	R. Budzik	1	2	3
University of Pittsburgh Medical Center (UPMC)	US	V. Reddy	4	3	7
West Virginia University Hospital	US	J. Carpenter	1	0	1
Central Baptist Hospital	US	C. Ramsey	0	1	1
Cleveland Clinic Cerebrovascular Center, NI	US	S. Hussain	1	1	2
SUNY	US	E. Deshaies	0	1	1
CHU MONTPELLIER - Hôpital Gui de Chauliac	France	A. Bonafe	0	1	1
Medical College of Wisconsin (MCW)	US	J. Fitzsimmons	1	0	1
<b>Total</b>			<b>19</b>	<b>19</b>	<b>38</b>



# SWIFT PRIME - Enrollment



# SWIFT PRIME – Site Startup Summary

Site Selection			
Description	US	OUS	Total
Site Nominated	145	58	203
Site Screened	103	24	127
Site Qualified	45	22	67
Site Selected	36	19	55
IRB/EC Submitted	33	9	42
IRB/EC Approved	31	5	36
Site Initiated	20	2	22
Sites Enrolling	10	1	11

# SWIFT PRIME - US Selected Sites

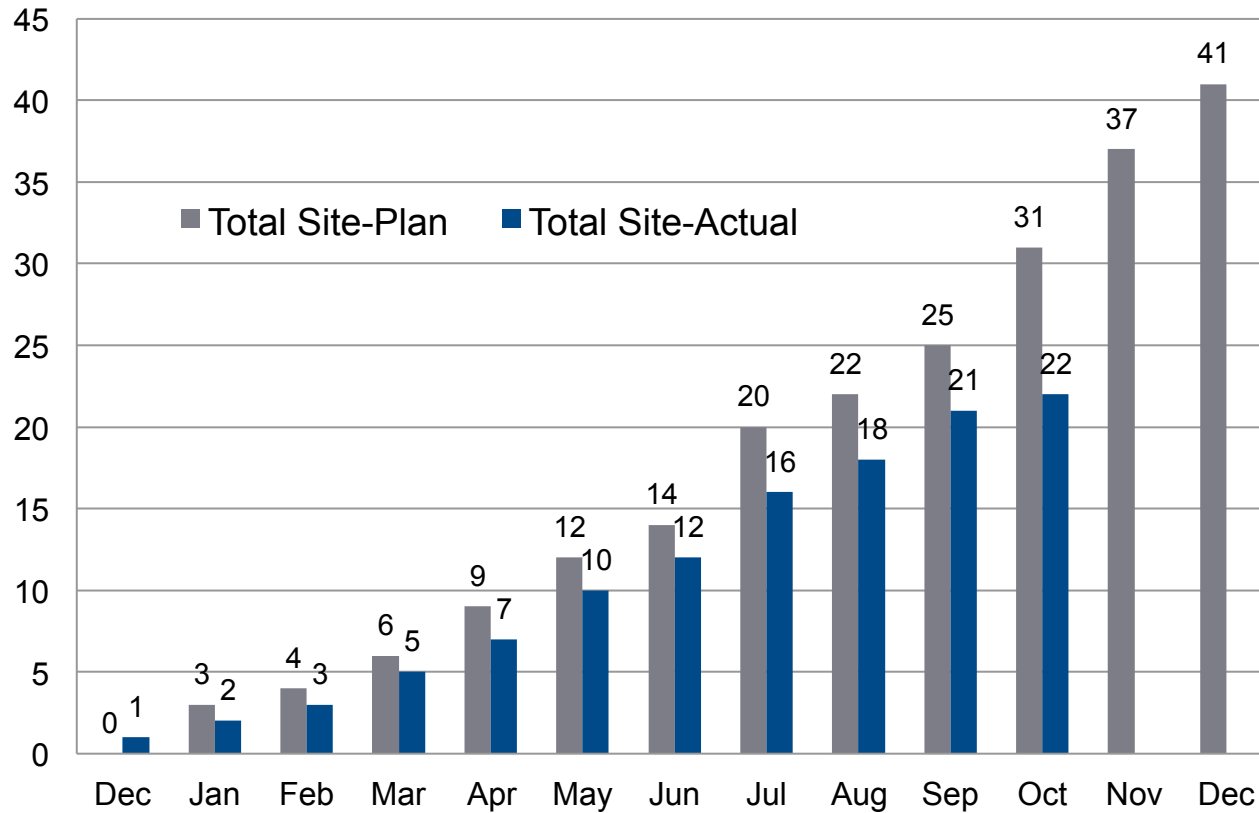
Site Name	PI (Last)	City	State
Albany Medical College	Boulos	Albany	NY
Alexian Brothers Medical Center	Malisch	Elk Grove Village	IL
Central Baptist Hospital	Ramsey	Lexington	KY
Chattanooga Center for Neurologic Research / Erlanger Hospital	Devlin	Chattanooga	TN
Cleveland Clinic Cerebrovascular Center, NI	Hussain	Cleveland	OH
Emory University / Grady Medical Center	Nogueira	Atlanta	GA
Florida Hospital	Villar	Orlando	FL
Hennepin Country Medical Center	Taylor	Minneapolis	MN
Maine Medical Center	Ecker	Portland	ME
Massachusetts General Hospital	Yoo	Boston	MA
Medical College of Wisconsin	Zaidat	Milwaukee	WI
Mercy San Juan Medical Center	Maidan	Carmichael	CA
Ochsner Medical Center	Vidal	New Orleans	LA
Ohio Health Research Institute / Riverside Methodist Hospital	Budzik	Columbus	OH
Oregon Health and Sciences University	Clark	Portland	OR
Parkview Hospital		Fort Wayne	IN
Promedica Toledo Hospital	Jumaa	Toledo	OH
Providence Brain and Spine Institute	Deshmukh	Portland	OR
Rush University Medical Center	Lopes	Chicago	IL
Saint Luke's Hospital	Martin	Kansas City	MO

Site Name	PI (Last)	City	State
St. Joseph Mercy Oakland	Xavier	Pontiac	MI
St. Jude Medical Center	Farid	Fullerton	CA
SUNY	Deshaies	Syracuse	NY
Tenent Health	Malek	West Palm Beach	FL
U of Miami / Jackson Memorial Hospital	Yavagal	Miami	FL
UCLA / Ronald Reagan UCLA Medical Center	Starkman	Los Angeles	CA
University of Buffalo Neurosurgery (UBNS) / Buffalo Gen Hosp	Siddiqui	Buffalo	NY
University of Iowa Hospitals and Clinics	Hayakawa	Iowa City	IA
University of Louisville	Liu	Louisville	KY
University of Massachusetts Medical Center	Puri	North Worcester	MA
University of Minnesota Medical Center	Jagadeesan	Minneapolis	MN
University of Pittsburgh Medical Center	Reddy	Pittsburgh	PA
Washington University	Derdeyn	St. Louis	MO
Weill Cornell Medical Center	Patsalides	New York	NY
West Virginia University Hospital	Carpenter	Morgantown	WV

# SWIFT PRIME - OUS Selected Sites

Site Name	PI	Country
Kantonsspital Aarau	Remonda	Switzerland
Inselspital Bern	Gralla	Switzerland
Unité Cérébrovasculaire	Michel	Switzerland
Hopitaux Universitaires de Genève	Pereira	Switzerland
Hospital Universitario Virgen de la Arrixaca	Moneno	Spain
Hospital Clinico Universitario de Valladolid	Arenillas	Spain
University Klinikum Köln	Liebig	Germany
Universitätsklinikum Essen	Weimar	Germany
Klinikum der Johann Wolfgang Goethe-Universität	Du Mesnil	Germany
Universitätsklinikum Kiel	Jansen	Germany
Klinikum Bremen-Mitte	Papanagiotou	Germany
Universitätsklinikum des Saarlandes	Reith	Germany
UniversitätsKlinikum Heidelberg	Ringleb	Germany
University Hospital Hamburg Eppendorf	Röther	Germany
CHU MONTPELLIER - Hôpital Gui de Chauliac	Bonafé	France
Hôpital Bichat - Claude-Bernard - Radiology	Mazighi	France
Rigshospitalet Dept Neurology	Hansen	Denmark
Medical University Graz	Niederkorn	Austria
University Hospital Salzburg	Killer	Austria

# SWIFT PRIME Site Initiation



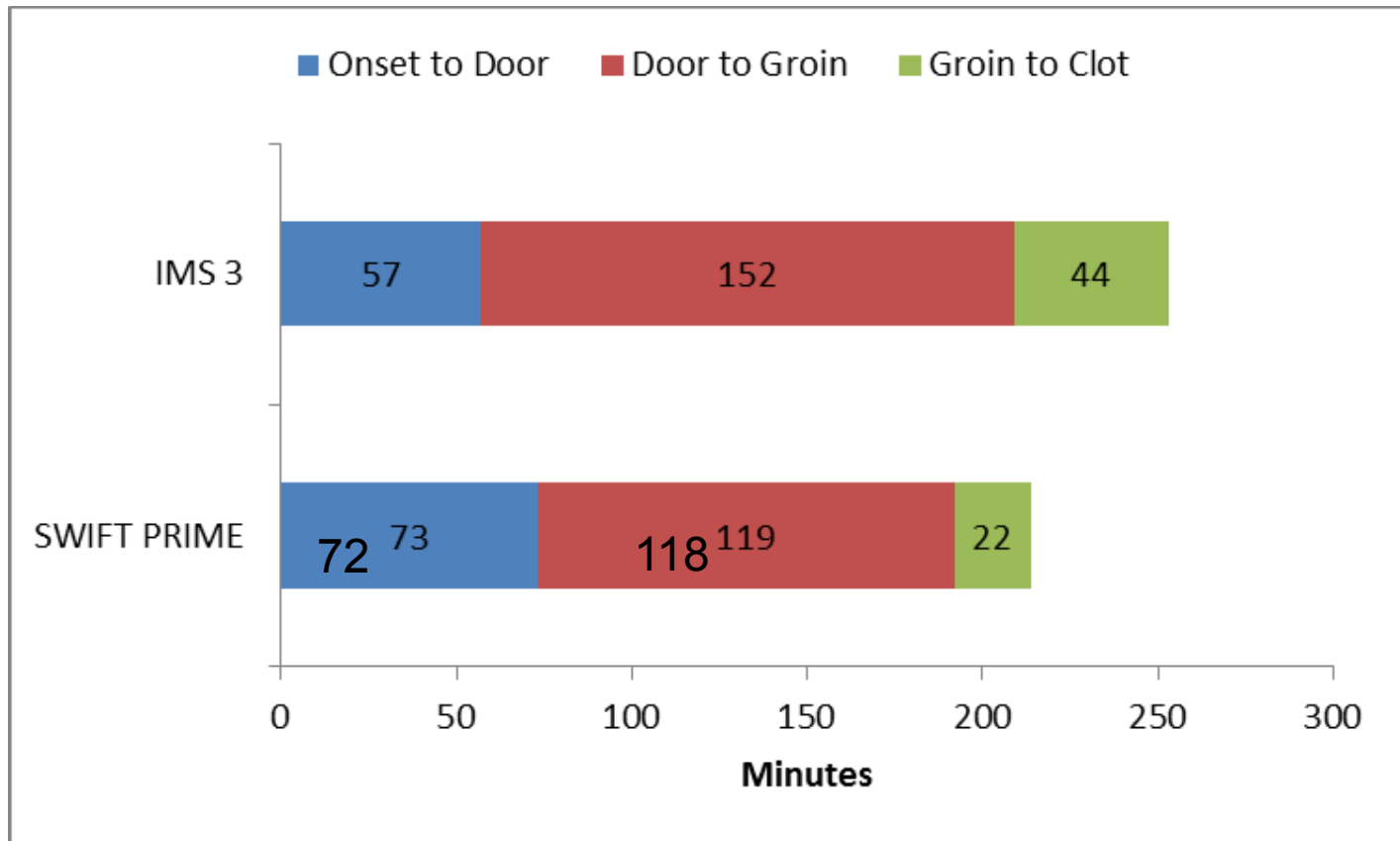
# Demographics and Baseline Characteristics

Demographic	N=36
Age (mean, SD, range)	65.4 ± 12.4 66 (32 - 84)
Male	19 (52.8%)
BMI	29.5 ± 7.2 28.7 (19.9 - 44.6)
Black or African American	5 (13.9%)
White	31 (86.1%)
Non-Hispanic	36 (100%)

Baseline Characteristics	
NIHSS (mean, SD, range)	16.9 ± 6.8 17 (8 - 27)
Carotid T	2 (6.3%)
MCA (M1)	30 (93.8%)



# Onset to Clot Times: SWIFT PRIME vs IMS 3

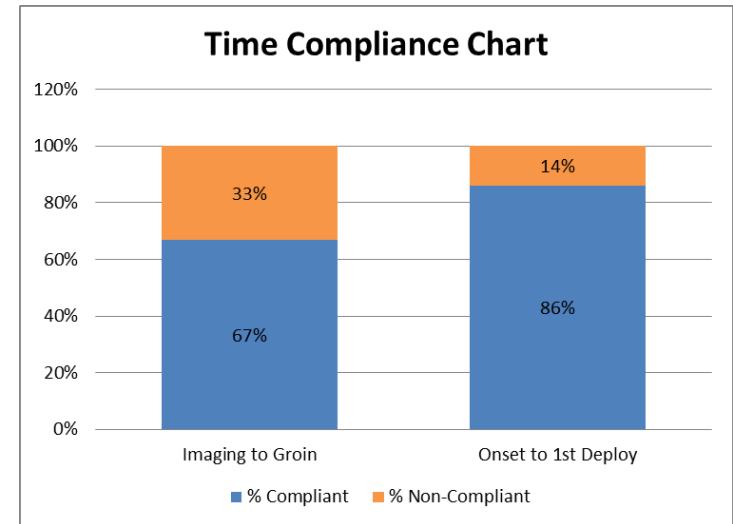


Total 253 vs 214 minutes



# SWIFT PRIME - Time Watch

TIME WATCH			
Metric	Previous Time (min) Median (Mean)	Current Time (min) Median (Mean)	Target
Stroke Onset to ER Arrival	1:11 (1:47)	1:12 (1:47)	
Door (ER) to Imaging	0:24 (0:52)	0:24 (0:59)	<30
Door (ER) to Groin	1:59 (2:12)	1:58 (2:12)	
Imaging to Groin <sup>1</sup>	1:17 (1:14)	1:23 (1:17)	<60
IV tPA to Groin	1:38 (1:56)	1:28 (1:51)	
Groin to 1 <sup>st</sup> Deployment <sup>2</sup>	0:22 (0:24)	0:22 (0:25)	<20
Onset to Groin	4:04 (4:06)	3:54 (4:02)	
Onset to 1 <sup>st</sup> TICl 2B	4:27 (4:34)	4:35 (4:47)	
1 Protocol required accomplishing this in 90min (1:30)			
2 Protocol recommendation to accomplish within 20min			



## Per Protocol

- Imaging to Groin <90min
- Onset to 1<sup>st</sup> Deploy <6hrs

TIME WATCH BY SITE									
Site	# of IV TPA Pts	# of SFR Pts	Stroke Onset to ER	Door to Imaging	Door to Groin	Imaging to Groin	IV tPA to Groin	Groin to Deploy	Onset to 1st TICl 2B
102	3	2	2:22	1:32	0:57	0:37	2:17	0:26	4:27
103	4	3	3:13	0:36	2:06	1:31	1:51	0:24	4:55
104	3	5	1:01	1:26	2:15	1:21	1:15	0:28	4:50
106	5	3	1:47	0:19	1:45	1:26	2:10	0:17	4:04
113	1	2	2:00	0:19	1:57	1:42	0:36	0:20	3:51
117	0	1	1:10	2:38	4:48	2:10	4:05	0:29	6:30
120	0	1	2:46	1:23	2:09	0:46	1:13	0:15	5:15
121	1	1	1:08	2:18	3:40	0:53	2:49	0:47	
122	1	0	1:32	0:08					

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# Protocol Changes

<b>RAPID Software</b>	<b>Aspect Score</b>
<ul style="list-style-type: none"><li>• Small Core<ul style="list-style-type: none"><li>• <math>\leq 50</math> cc for subjects age 18-79 years</li></ul></li><li>• Substantial Mismatch / Large Penumbra<ul style="list-style-type: none"><li>• Penumbra <math>&gt; 15</math> cc</li><li>• Mismatch ration <math>&gt; 1.8</math></li></ul></li><li>• Absence of Severe Current Hypoperfusion<ul style="list-style-type: none"><li>• <math>T_{max} \geq 10</math> sec lesion <math>\leq 100</math> cc</li></ul></li></ul>	Baseline non-contrast CT or DWI MRI evidence of a moderate/large core defined as extensive early ischemic changes of Alberta Stroke Program Early CT score (ASPECTS) $< 6$ .