



## Thank You!

- ◆ *For the excellent care and comfort you give to your stroke patients and their loved ones.*
  - ◆ *For the patience and diligence it took to enroll 1700 patients.*
  - ◆ *For your historic contribution to stroke and prehospital research.*
- For all this and more,  
Thank you. You made a difference.*

### FAST-MAG BY THE NUMBERS

<b>1,700</b>	Patients enrolled in FAST-MAG	<b>7 Years</b> <b>10 Months</b> <b>8 Days</b> Time from first enrollment to last
<b>69</b>	Median age	
<b>42%</b>	Female	
<b>62%</b>	Ischemic strokes	
<b>22%</b>	Hemorrhagic strokes	
<b>13%</b>	TIA's	
<b>3%</b>	Stroke mimics	
<b>11%</b>	Spanish-speaking	
<b>72%</b>	Enrolled in <b>The Golden Hour</b> after symptom onset	
<b>25%</b>	Enrolled 61-120 minutes after symptom onset	
<b>&gt;150</b>	Number of patients enrolled in <b>The Diamond Half-hour</b> (30 minutes or less) after symptom onset (a new standard in stroke care!)	
<b>60</b>	Hospitals participating in FAST-MAG	
	<b>51</b> In Los Angeles County	
	<b>9</b> In Orange County	
<b>750</b>	Hospital-based physician co-investigators	
<b>91</b>	People who ever worked for FAST-MAG	
<b>7,000</b>	Average miles driven per year by a FAST-MAG coordinator	
<b>42</b>	Most patients enrolled in one month (May 2011)	
<b>2,763</b>	Paramedic calls that did not result in an enrollment	
<b>5,803</b>	Study drug kits	
<b>1</b>	Study drug kit saved from rescue unit that caught fire	
<b>3,000</b>	Paramedics trained	
	<b>2,300</b> In Los Angeles County	
	<b>700</b> In Orange County	
<b>319</b>	Rigs stocked with study drug	
	<b>245</b> In Los Angeles County	
	<b>74</b> In Orange County	
<b>28,000</b>	Estimated number of pens distributed	

**PARAMEDIC HALL OF FAME: September 1 through December 5, 2012**

9/01/12	Omid Kianersi Jared Cutler Edmondo St. Cyr	Burbank FD ENG 11
09/01/12	Dean Rush Bryan Carter	Newport Beach FD NM 62
09/04/12	Chris Young Thomas Lawson	LA Co RS 89
09/05/12	Dave Espanza Brian Hinsley Evette Almaraz	LA Co RS 107
09/06/12	William Ardizzone Anthony Mejia	Long Beach FD RA 18
09/08/12	Jason May Curt Mahoney Kenneth Campos	Redondo Beach FD RA 61
09/09/12	Dan Chapman Ryan Bullock Bryan Carter	Newport Beach FD NM 63
09/10/12	William Prentice John Lane III	LA Co RS 111
09/10/12	Alex Juarez Sean Cusac	LA Co RS 151
09/12/12	Mark Klein Doug Facenelli	LA Co RS 158
09/15/12	Michael McIndoe Justin Spina	LAFD RA 66
09/17/12	Doug Mitchell Shane Allan	OCFA EM 65
09/17/12	Joe Mendoza Kevin Pritchett	LAFD RA 14
09/17/12	Ben Sheen Joe Carralho	LA Co RS 33
09/21/12	Kim Reyes Eric McNamora Daniel Wagner	LA Co RS 30
09/27/12	Lopez Esteban Eric Tumbarello Jason Seimen	LA Co RS 167
09/27/12	Brian Hammond Robert Aceres	LAFD RA 46
09/28/12	Jim Vancil Matt Jean Ara Hoonanian Joe Flahran	Glendale FD RA 21
09/28/12	Anthony DeLucia Brian Smith	LA Co RS 40
09/30/12	Josh Richardson Sven Michaelson Eric Del Conte	LA Co RS 173

10/01/12	Joe Lawrence Phillip Castro Jaime Olmos John Lamp	Alhambra FD RA 74
10/04/12	Blas Chanez Andy Reim	LAFD RA 105
10/07/12	Gino Fossati Michael Whalen	OCFA MV 5
10/07/12	Phillip Viramontes Tino Julian Kyle Norris	LA Co RS 107
10/08/12	Stan Maloof Brett Flowers	LA Co RS 20
10/09/12	Natalie McClure Chris Esposito	OCFA MV 7
10/09/12	Sheldon Beverly Sean Saunders Josh Tsai	LAFD RA 34
10/12/12	Randy Webb Vince Paino	Huntington Beach Eng 42
10/15/12	Brian Bunker Michael Sommer	LAFD RA 102
10/16/12	Craig Skidmore Wayne Runcie	Glendale FD PE 28
10/16/12	Jeff Tsai David Tannehill	San Marino FD RA 91
10/17/12	Leo Harris Pat Askren	LA Co RS 163
10/18/12	Chris Lavallo Arthur Rodriguez	LAFD RA 64
10/19/12	Frank Buckner Adam Schulenburg	Laguna Eng 1
10/19/12	Cynthia Sato Stephen Strigs	LAFD RA 68
10/19/12	Beau Cherry Tony Reddick	LAFD RA 26
10/20/12	Ray Kaysten Armando Ramirez	LA Co RS 111
10/22/12	Paul Young Chris Lavallo Ryan Weatherman	LAFD RA 264
10/24/12	Frank Buckner Adam Schulenburg	Laguna Eng 1
10/25/12	Robert Gilmer Tom Chamberlain	LAFD RA 84
10/26/12	Lee Mitchell Scott Jennie	Laguna Eng 4
10/31/12	Andrew Chest Brandon Vaughn Jim Goldstein	Burbank FD ENG 11

11/01/12	Vince Dipane Kevin Coffelt Chad Ernsdorf	Redondo Beach FD RA 62
11/03/12	Bryan Geiger Michael Pugliese	LA City RA 34
11/03/12	Jeff Williams Jose Mendez	Torrance FD RS 93
11/04/12	Richard Licon Mike Pradin	LA Co RS 45
11/05/12	Matt Anderson Daniel Velez Robert Reardon	LA Co RS 45
11/07/12	Sean Welch Tyler Ence	LA City RA 57
11/08/12	Kevin Gonzalez Dan Chapman	Newport Beach FD NM 63
11/10/12	Marshall Bautista A.J. Rodriguez	LA Co RS 54
11/11/12	Frank Baker Ryan Watson	LA Co RS 172
11/14/12	Sean Saunders Ivan Covin Benjamin Sample	LA City RA 34
11/14/12	Brian Julian Kevin Ku	Glendale FD RA 26
11/15/12	Brett Heller Todd Guess Scott Rosenfeld	LA Co RS 68
11/17/12	Tyler Hoff Dennis Tim	Redondo Beach FD RA 61
11/20/12	Jason Birondo Brian Rankin	LA City RA 64
11/23/12	Rico Gross Mohammad Nabhani	LA City RA 60
11/24/12	Jorge Hoyos Casey Hoffman	South Pasadena FD RA 81
11/27/12	Thomas Lawson Chris Young Kelly Lynn	LA Co RS 89
11/29/12	Dreon Brown Brian Dudley Martin Guerro	LA City RA 56
11/30/12	Kenneth Galindo George Coutts	Arcadia FD RA 105
11/30/12	Anthony Gallegos Christian Vasquez Dave Phillips	Monrovia FD RS 101
11/30/12	Dennis Baker Justin Morgan	LA City RA 43

12/02/12	Nicholas Escobedo Stan Maloof	LA Co RS 40
12/03/12	Paul Finger Rodrigo Luna	LA City RA 89
12/04/12	Bryan Mahon Shauna Sitton Andy Bailey	OCFA EM 74
12/04/12	Arturo Tarango Albert Butler	LA City RA 29
12/05/12	Kyle Anderson Pete Hendricks	LA Co RS 158
12/05/12	Chris Bauman Daniel Cates	LA City RA 95
12/05/12	Jysiah Davis Kenny Galindo	Arcadia FD RA 106

### Enrollments by EMS Agency

Los Angeles City FD .....	615
Los Angeles County FD .....	555
Long Beach FD .....	71
Torrance FD .....	57
Pasadena FD .....	46
Santa Monica FD .....	42
Orange Co. Fire Authority .....	29
Glendale FD .....	28
Burbank FD .....	26
La Verne FD .....	24
Redondo Beach FD .....	20
Arcadia FD .....	17
Manhattan Beach FD .....	16
Downey FD .....	15
San Marino FD .....	14
South Pasadena FD .....	14
West Covina FD .....	12
Culver City FD .....	11
Fullerton FD .....	9
El Segundo FD .....	9
Monrovia FD .....	9
Newport Beach FD .....	9
Compton FD .....	8
Huntington Beach FD .....	6
Beverly Hills FD .....	4
Montebello FD .....	4
Monterey Park FD .....	4
Laguna Beach FD .....	4
Hermosa Beach FD .....	3
Fountain Valley FD .....	3
Santa Fe Springs FD .....	3
Brea FD .....	3
Alhambra FD .....	3
San Gabriel FD .....	2
Sierra Madre FD .....	2
City of Vernon FD .....	2
Garden Grove FD .....	1

ENROLLMENT BY HOSPITAL

Presbyterian Intercommunity Hospital.....	105
Long Beach Memorial Medical Center .....	100
Huntington Memorial Hospital .....	99
Ronald Reagan UCLA Medical Center.....	98
Providence Little Company of Mary - Torrance.....	92
Torrance Memorial Medical Center .....	84
Cedar Sinai Medical Center.....	67
Providence Saint Joseph Medical Center .....	65
Methodist Hospital of Southern California .....	60
Henry Mayo Newhall.....	59
Antelope Valley Hospital.....	58
White Memorial Medical Center .....	54
Northridge Hospital Medical Center.....	53
Pomona Valley Hospital Medical Center .....	51
Providence Holy Cross Medical Center.....	46
St. Francis Medical Center .....	42
Lakewood Regional Medical Center.....	42
Glendale Adventist Medical Center .....	35
West Hills Hospital and Medical Center .....	34
Santa Monica—UCLA Medical Center .....	30
California Hospital Medical Center .....	29
West Hills Hospital and Medical Center .....	34
Sherman Oaks Hospital.....	26
St. Jude Medical Center .....	24
St. John's Health Center.....	24
Providence Little Company of Mary-San Pedro .....	21
Citrus Valley Medical Center— Queen of the Valley .....	19
Marina del Rey Hospital.....	17
Verdugo Hills Hospital .....	16
Palmdale Regional Medical Center .....	16
LAC-USC .....	16
Providence Tarzana Medical Center .....	15
Hoag Memorial Hospital .....	15
Glendale Memorial Hospital and Health Center .....	14
LAC-Olive View.....	13
San Dimas Community Hospital.....	12
Kaiser Permanente-Woodland Hills.....	12
St. Mary Medical Center .....	11
Kaiser Permanente-Los Angeles.....	11
Brotman Medical Center .....	10
Whittier Hospital Medical Center-AHMC .....	9
Olympia Medical Center .....	9
LAC Harbor-UCLA Medical Center.....	9
Citrus Valley Medical Center—Intercommunity .....	9
Valley Presbyterian Hospital.....	7
Los Alamitos Medical Center.....	7
Fountain Valley Regional Hospital.....	7
Mission Hospital Regional Medical Center.....	6
Mission Community Hospital .....	6
Hollywood Presbyterian .....	6
Garfield Medical Center .....	6
St. Joseph Hospital, Orange.....	5
Good Samaritan.....	5
Western Medical Center .....	4
Saddleback Memorial Regional Medical Center .....	3
Kaiser Permanente-West Los Angeles.....	3
Marina Hospital (CFRMC) .....	2
UCI Medical Center .....	1
Encino Hospital .....	1

TOP ENROLLING RESCUE UNITS

LA Co RS 28 .....	25
LA Co RS 111 .....	21
LA Co RS 30 .....	20
LA Co RS 19 .....	19
LAFD RA 33 .....	18
LAFD RA 102; LA Co RS 49, 107; Long Beach FD RA 18.....	17
LAFD RA 66; LA Co RS 33, 40 .....	16
LAFD RA 87; LA Co RS 45, 118 .....	15
LAFD RA 91, 98, 107; South Pasadena FD RA 81; Torrance FD RS 91, 94; La Verne RA 62; Long Beach FD RA 9 .....	14
LAFD RA 75, 68, 72; LA Co RS 20, 29, 32, 98; Santa Monica FD ENG 4; Torrance FD RS 96 .....	13
LAFD RA 34, 47, 77; Burbank FD ENG 15; Pasadena FD RA 31 .....	12
LAFD RA 21, 37, 61, 105; LA Co RS 134, 26, 36, 84; Redondo Beach FD RA 61; San Marino FD RA 91; Torrance FD RS 93; Pasadena FD RA 34.....	11
LAFD RA 13, 19, 59, 64, 69, 89, 104; LA Co RS 37, 47, 54, 101, 131; Manhattan Beach FD RA 21; Santa Monica FD ENG 3; La Verne FD RA 61; Long Beach FD RA 14.....	10

**The Coordinating Center Staff Says  
THANKS to the 3,000 Paramedics Who  
Made FAST-MAG a Reality!**

Jeffrey Saver, MD, *Principal Investigator*  
 Sidney Starkman, MD, *Co-Principal Investigator*  
*Enrolling MDs*  
 Jeffrey Saver, MD\* Nerses Sanossian, MD\*  
 Sidney Starkman, MD\* Lucas Restrepo, MD\*  
 David Liebeskind, MD\* May Kim-Tenser, MD  
 Latisha Ali, MD\* Miguel Valdes-Sueiras, MD  
 Fiona Chatfield, RN, *Chief Nurse Coordinator*  
*Study Coordinators / Paramedic Liaisons*  
 Barbara Tone, RN\* Gillian Devereux, RN  
 Randy Sanoff, RN\* Sam Cherin, RN  
 Kanika McCall, RN Amy Perez, RN  
 Star Feudi, RN Laura Cross, RN  
 Keta Hodgson, RN Haley Davis, RN *per diem*  
 Joan Krause, RN and Ricki Klutch, RN, *Data Coordinators*  
 Anna Grace, RN\*, *Special Projects*  
 Arezou Sadighi Akha, MS, *Drug Safety Manager*  
 Maria Trejo, *Administrative Specialist*  
 Annel Hernandez, Ulysses Hidalgo and Sandy Cerda,  
*Research Assistants*  
 Denise Leeper, *Study Drug Coordinator*  
 Daniel Pham, *Database Programmer*  
 Laura Mirzaian, *Administrative Assistant*  
 Bob Miller, *Paramedic Liaison*  
 Anna Khachatryan, *Finance Manager*  
 Sharon Craig, RN and Ann Lahn, RN, *Study Monitors*

\*With FAST-MAG from the beginning