



# Noticias News Nouvelles

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University of Toronto Maternal, Infant and Reproductive Health Research Unit  
at the Women's College Research Institute

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**OVERALL TOTAL: 1236**  
**TOTAL THIS MONTH: 30**



## Interim Analysis & Data Campaign

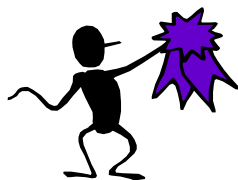
The database relating to the first 1000 recruits is **closing**. Any outstanding primary data or query responses should be sent by fax or email.

*Continue recruiting so that we can perform our next interim analysis for the first 1800 recruits!*

## Welcome to TBS!

We extend a warm welcome to Dr Luiza Emylce PR Schmaltz from Hospital Materno Infantil in *Goiania*, Brazil and to Dr Miroslava Gojnic from University of Belgrade in *Belgrade*, Serbia.

## Recruitment Excellence



Congratulations to **Dr Jose Luis Castaldi** and the team at Hospital Penna in *Bahia Blanca*, Argentina; **Dr Mario SF Palermo** and the team at Hospital Posadas in *Buenos Aires*, Argentina; **Dr Jesus Daniel Aguirre** and the team at Hospital JR Vidal in *Corrientes*, Argentina; **Dr George D Carson** and the team at Regina General Hospital in *Regina*, Canada; **Dr Fred Kirss** and the team at Tartu University Hospital - Women's Clinic in *Tartu*, Estonia; **Dr Donnette Simms-Stewart** and the team at University Hospital of the West Indies in *Kingston*, Jamaica; **Mr Dale Ojutiku** and the team at Basildon & Thurrock University in *Basildon*, UK; and **Mr Hamed Al-Taher** and the team at Queen Elizabeth Hospital in *King's Lynn*, UK. We will be sending a gold seal to place on your Certificate of Achievement. Congratulations on reaching your TBS annual recruitment goal. Keep up the good work!



## TBS Travels

Next month Dr Jon Barrett will be traveling to Tel-Aviv, Israel, to meet with current and potential TBS collaborators. The meeting will introduce TBS to several more Israel hospitals.

## Recruitment Package!

A new recruitment package will be sent to all active centres in the New Year. It contains a redesigned poster as well as a USB key that holds TBS presentations which can be used for local presentations at your hospital. We hope that this material will continue to promote enthusiasm for the study at your centre.

## Recruitment Teleconferences

We would like to thank those collaborators from our Canadian and British centres who spoke with us to discuss challenges and successes in recruitment and follow-up. We look forward to arranging similar calls with other sites soon.

Are you having twins?  
We invite you to join  
this ongoing  
international study



Ask your caregiver for  
more information  
or call:

## Twin Birth Study


**Recruitment**  
 (Projected sample size of 2800)

as of November 30, 2007

COUNTRY	Annual Goal	Dec 2003	Jan - Dec 2004	Jan - Dec 2005	Jan - Jun 2006	Jul - Dec 2006	Jan - Jun 2007	Jul - Aug 2007	Sept 2007	Oct 2007	Nov 2007	Grand Total
	ARGENTINA	61		60	65	41	55	57	12	5	12	11
BRAZIL	42		2	44	40	31	31	9	3	7		167
CANADA	86	3	25	53	24	22	24	5	2	3	4	165
POLAND	15		4	28	6	12	16	9	4	2	4	85
ISRAEL	40		21	27	9	7	5	4	2	3		78
EGYPT	20		19	14	9	6	6					54
AUSTRALIA	26		2	15	4	8	13	1	3			46
CHILE	16		8	11	9	4	3	3	1			39
THE NETHERLANDS	9		7	9	12	5	3	1				37
UK	45		2	2	5	10	10	2			5	36
USA	27		4	13	7	3	5		1			33
ESTONIA	3		5	12	4	4	4				2	31
SPAIN	5		2	6	3	7	4		1	2	1	26
JORDAN	9		5	5	3	5	7					25
HUNGARY	4		5	11	5	1	1			1		24
JAMAICA	4						9	6	1	1	3	20
BELGIUM	3		5	7	1	2						15
ROMANIA	3		2	5	1	1	4					13
GERMANY	4			3	3	1	3	1				11
CROATIA	4		4	3		2						9
GREECE	6					1	3					4
<b>Total</b>	<b>432</b>	<b>3</b>	<b>182</b>	<b>333</b>	<b>186</b>	<b>187</b>	<b>208</b>	<b>53</b>	<b>23</b>	<b>31</b>	<b>30</b>	<b>1236</b>

## CENTRES BY COUNTRY

(Shaded area is prior to start-up)

## ARGENTINA

Hospital LC Lagomaggiore, Mendoza	12		31	32	15	12	10	5		4		109
Hospital Posadas, Buenos Aires	6		22	28	6	11	13	1			4	85
Hospital Ramon Carrillo, Santiago del Estero	10			2	7	8	9	1	3	2	1	33
Hospital Avellaneda, Tucuman	6			2	5	6	9	1		1	2	26
Hospital Penna, Bahia Blanca	4				5	7	4	2	1		2	21
Hospital Angela Iglesia de Llano, Corrientes	3				1	4	4	1		3		13
Hospital JR Vidal, Corrientes	6					4	4	1		2	2	13
Hospital Ramos Mejia, Buenos Aires	4		7	1	2							10
Hospital Sarda, Buenos Aires	10					3	4		1			8

## BRAZIL

University of Campinas, Campinas	5		2	17	6	9	9	5	1	1		50
Maternidade Escola da UFRJ, Rio de Janeiro	6			8	7	9	10	4	1	1		40
University of Pernambuco, Recife	7			13	10	4	5		1	4		37
Hospital Universitario Antonio Pedro, Niteroi	5			1	7	3	3			1		15
Laranjeiras Clinica Perinatal, Rio de Janeiro	8				6	2	3					11
ISCOMPA-Maternidade Mario Totta, Porto Alegre	6			5	2	2						9
UFPE, Recife	5				2	2	1					5

## CANADA

Sunnybrook Health Sciences Centre, Toronto	5	3	14	11	8	5	10	4	1	1		57
McMaster University Medical Centre, Hamilton	5			10	2	5	4					21
Trillium Health Centre, Mississauga	6			6	3	1	1	1	1		3	16
Regina General Hospital, Regina	5			5	5	2	2				1	15
IWK Health Centre, Halifax	7		1	4	1	5	3			1		15
Mount Sinai Hospital, Toronto	11		5	2	2	1						10
Lions Gate Hospital, Vancouver	3			6	1							7
Calgary Health Region - Foothills Hospital, Calgary	18		1	5	1							7
Royal Columbian Hospital, New Westminster	5		3	3								6
Royal University Hospital, Saskatoon	6				1	3	1					5
SMBD Jewish General Hospital, Montreal	6						2					2
Eastern Health, St John's	4			1						1		2
Toronto East General, Toronto	5						1					1
Centres that are no longer recruiting	0											1

## POLAND

University School of Medical Sciences, Poznan	8		3	24	3	12	15	7	3	1	2	70
Polish Mothers Memorial Hospital, Lodz	5			1	2			2	1	1	2	9
Medical University of Gdansk, Gdansk	2		1	3	1			1				6

Annual Goal	Dec	Jan - Dec	Jan - Dec	Jan - Jun	Jul - Dec	Jan - Jun	Jul - Aug	Sept	Oct	Nov	Grand Total
	2003	2004	2005	2006	2006	2007	2007	2007	2007	2007	Total

#### ISRAEL

Edith Wolfson Medical Center, Holon	5		11	6	5	1		2		2		27
Ma'ayney HaYeshua Medical Center, Bnei Brak	10		5	4	2	3	1	2		1		18
HaEmek Medical Center, Afula	7		1	7		2	2					12
Bnai Zion Medical Center, Haifa	8		4	7								11
Poriya Government Hospital, Tiberias	4			3	2	1			1			7
Hillel Yaffe Medical Center, Hadera	6						2		1			3

#### EGYPT

Assiut University Hospital, Assiut	20		19	14	9	6	6					54
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#### AUSTRALIA

Ipswich Hospital, Ipswich	3					1	9	1	2			13
St George Hospital, Sydney	3		2	5	1							8
Mater Mothers' Hospital, Brisbane	6			2		3	3					8
Toowoomba Base Hospital, Toowoomba	2			4	2							6
Monash Medical Centre, Clayton	4				1	3	1					5
Logan Hospital, Meadowbrook	5			3		1						4
Townsville Hospital, Townsville	3			1					1			2

#### CHILE

Hospital Dr Gustavo Fricke, Vina del Mar	5		8	11	6	2	3	1	1			32
Hospital Dr Sotero del Rio, Puente Alto	11				3	2		2				7

#### THE NETHERLANDS

Atrium Medical Center, Heerlen	3		4	5	4	3	2	1				19
Maaslandziekenhuis Sittard, Sittard	2			2	5							7
Academisch Ziekenhuis Maastricht, Maastricht	2		3	2	1							6
Sint Lucas Andreas Ziekenhuis, Amsterdam	2				2	2	1					5

#### UK

Bradford Royal Infirmary, Bradford	8				3	5	3					11
Nottingham City Hospital, Nottingham	9		2	2	1	2	1	1				9
Basildon & Thurrock University, Basildon	6					1	1				4	6
Queen Elizabeth Hospital, King's Lynn	3						1	1			1	3
Lewisham Hospital, London	5				1	2						3
University Hospital of North Staffordshire, Stoke-on-Trent	8						3					3
Derriford Hospital, Plymouth	6						1					1

#### USA

East Bay Perinatal Medical Associates, Oakland	12			9	4	1	2					16
Maricopa Medical Center, Phoenix	8			3	2	1						6
University of South Carolina, Columbia	4			1	1	1	3					6
University of Iowa Hospitals and Clinics, Iowa City	3								1			1
Centres that are no longer recruiting	0											4

#### ESTONIA

Tartu University Hospital - Women's Clinic, Tartu	3		5	12	4	4	4				2	31
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#### SPAIN

Hospital Clinic-University of Barcelona, Barcelona	5		2	6	3	7	4		1	2	1	26
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#### JORDAN

Islamic Hospital, Amman	9		5	5	3	5	7					25
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#### HUNGARY

University of Debrecen, Debrecen	4		5	11	5	1	1			1		24
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#### JAMAICA

University Hospital of the West Indies, Kingston	4						9	6	1	1	3	20
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#### BELGIUM

Vrije Universiteit Brussel, Brussels	3		5	7	1	2						15
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#### ROMANIA

University of Pharmacy and Medicine, Cluj-Napoca	3		2	5	1	1	4					13
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#### GERMANY

Ludwig Maximilians University of Munich, Munich	2			1	3	1	3					8
CUB - Benjamin Franklin, Berlin	2			2				1				3

#### CROATIA

Sveti Duh Hospital, Zagreb	4		4	3		2						9
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#### GREECE

Alexandra Maternity, Athens	6					1	3					4
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Centres awaiting first patient: [COUNTRY: Hospital, City (annual goal)] [month/year start-up package sent]

ARGENTINA: Hospital Alvarez, Buenos Aires (2) [06/07]; AUSTRALIA: Women's & Children's, Adelaide (6) [09/05], Royal North Shore, St Leonards (3) [11/06]; BRAZIL: Botucatu Medical School, Botucatu (2) [06/07], Hospital Materno Infantil, Gotama (3) [11/07]; GERMANY: Charité Virchow-Klinikum, Berlin (5) [01/06]; SERBIA: University of Belgrade, Belgrade (1) [11/07]; UK: Aberdeen Maternity, Aberdeen (6) [11/06], Liverpool Women's Hospital, Liverpool (12) [05/07]; USA: Washington University, St Louis (5) [01/07];

## 2 Year Follow-up of TBS Babies



The status of the TBS 2 Year Follow-up is displayed in the following table for centres that recruited patients. Centres are listed according to the total number of recruits by country and centre. See below for the number of follow-up assessments performed by your centre!

**Let's aim for 100% follow-up!!**

Follow-Up Status	2003		2004		2005		2006		2007		Totals	
	#Recruited	# Complete Follow-Up	#Recruited	# Complete Follow-Up	#Recruited	# Complete Follow-Up	#Recruited	# Complete Follow-Up	#Recruited	# Complete Follow-Up	#Recruited	# Complete Follow-Up
<b>As of November 2007</b>												
<b>COUNTRY</b>												
ARGENTINA			60	50	65	36	96		97		318	86
BRAZIL			2	2	44	11	71		50		167	13
CANADA	3	3	25	15	53	25	46		38		165	43
POLAND			4	4	28	13	18		35		85	17
ISRAEL			21	21	27	13	16		14		78	34
EGYPT			19	19	14	7	15		6		54	26
AUSTRALIA			2	2	15	7	12		17		46	9
CHILE			8	8	11	9	13		7		39	17
THE NETHERLANDS			7	7	9	7	17		4		37	14
UK			2	2	2	1	15		17		36	3
USA			4	2	13	5	10		6		33	7
ESTONIA			5	5	12	9	8		6		31	14
SPAIN			2	2	6	4	10		8		26	6
JORDAN			5	5	5	2	8		7		25	7
HUNGARY			5	5	11	2	6		2		24	7
JAMAICA									20		20	
BELGIUM			5		7		3				15	
ROMANIA			2	2	5	5	2		4		13	7
GERMANY					3	1	4		4		11	1
CROATIA			4	4	3		2				9	4
GREECE									3		4	
<b>Total</b>	<b>3</b>	<b>3</b>	<b>182</b>	<b>155</b>	<b>333</b>	<b>157</b>	<b>373</b>	<b>1</b>	<b>345</b>		<b>1236</b>	<b>315</b>
			<b>100.0%</b>	<b>85.2%</b>	<b>47.1%</b>							<b>25%</b>

### CENTRES BY COUNTRY

(Shaded area is prior to start-up)

#### ARGENTINA

Hospital LC Lagomaggiore, Mendoza			31	27	32	23	27		19		109	50
Hospital Posadas, Buenos Aires			22	21	28	13	17		18		85	34
Hospital Ramon Carrillo, Santiago del Estero					2		15		16		33	
Hospital Avellaneda, Tucuman					2		11		13		26	
Hospital Penna, Bahia Blanca							12		9		21	
Hospital Angela Iglesia de Llano, Corrientes							5		8		13	
Hospital JR Vidal, Corrientes							4		9		13	
Hospital Ramos Mejia, Buenos Aires			7	2	1		2				10	2
Hospital Sarda, Buenos Aires							3		5		8	

#### BRAZIL

University of Campinas, Campinas			2	2	17	9	15		16		50	11
Maternidade Escola da UFRJ, Rio de Janeiro					8		16		16		40	
University of Pernambuco, Recife					13	1	14		10		37	1
Hospital Universitario Antonio Pedro, Niteroi					1		10		4		15	
Laranjeiras Clinica Perinatal, Rio de Janeiro							8		3		11	
ISCMPA-Maternidade Mario Totta, Porto Alegre					5	1	4				9	1
UFPE, Recife							4		1		5	

#### CANADA

Sunnybrook Health Sciences Centre, Toronto	3	3	14	7	11		13		16		57	10
McMaster University Medical Centre, Hamilton					10	6	7		4		21	6
Trillium Health Centre, Mississauga					6	1	4		6		16	1
IWK Health Centre, Halifax			1	1	4	4	6		4		15	5
Regina General Hospital, Regina					5		7		3		15	
Mount Sinai Hospital, Toronto			5	3	2	1	3				10	4
Calgary Health Region - Foothills Hospital, Calgary			1	1	5	4	1				7	5
Lions Gate Hospital, Vancouver					6	6	1				7	6
Royal Columbian Hospital, New Westminster			3	3	3	2					6	5
Royal University Hospital, Saskatoon							4		1		5	
SMBD Jewish General Hospital, Montreal									2		2	
Eastern Health, St John's					1	1			1		2	1
Toronto East General, Toronto									1		1	
York Central Hospital, Richmond Hill			1								1	

#### POLAND

Univ School of Medicine, Poznan			3	3	24	13	15		28		70	16
Polish Mothers Memorial Hospital, Lodz					1		2		6		9	
Medical University of Gdansk, Gdansk			1	1	3		1		1		6	1

Follow-Up Status	2003		2004		2005		2006		2007		Totals	
	# Recruited	# Complete Follow-Up	# Recruited	# Complete Follow-Up	# Recruited	# Complete Follow-Up	# Recruited	# Complete Follow-Up	# Recruited	# Complete Follow-Up	# Recruited	# Complete Follow-Up
<b>As of November 2007</b>												
<b>ISRAEL</b>												
Edith Wolfson Medical Center, Holon			11	11	6	3	6		4		27	14
Ma'ayney HaYeshua Medical Center, Bnei Brak			5	5	4	1	5		4		18	6
HaEmek Medical Center, Afula			1	1	7	2	2		2		12	3
Bnai Zion Medical Center, Haifa			4	4	7	7					11	11
Poriya Government Hospital, Tiberias					3		3		1		7	
Hillel Yaffe Medical Center, Hadera									3		3	
<b>EGYPT</b>												
Assiut University Hospital, Assiut			19	19	14	7	15		6		54	26
<b>AUSTRALIA</b>												
Ipswich Hospital, Ipswich							1		12		13	
Mater Mothers' Hospital, Brisbane					2	2	3		3		8	2
St George Hospital, Sydney			2	2	5	5	1				8	7
Toowoomba Base Hospital, Toowoomba					4		2				6	
Monash Medical Centre, Clayton							4		1		5	
Logan Hospital, Meadowbrook					3		1				4	
Townsville Hospital, Townsville					1				1		2	
<b>CHILE</b>												
Hospital Dr Gustavo Fricke, Vina del Mar			8	8	11	9	8		5		32	17
Hospital Dr Sotero del Rio, Puente Alto							5		2		7	
<b>THE NETHERLANDS</b>												
Atrium Medical Center, Heerlen			4	4	5	4	7		3		19	8
Maaslandziekenhuis Sittard, Sittard					2	2	5				7	2
Academisch Ziekenhuis Maastricht, Maastricht			3	3	2	1	1				6	4
Sint Lucas Andreas Ziekenhuis, Amsterdam							4		1		5	
<b>UK</b>												
Bradford Royal Infirmary, Bradford							8		3		11	
Nottingham City Hospital, Nottingham			2	2	2	1	3		2		9	3
Basildon & Thurrock University, Basildon							1		5		6	
Queen Elizabeth Hospital, King's Lynn									3		3	
Lewisham Hospital, London							3				3	
University Hospital of North Staffordshire, Stoke-on-Trent									3		3	
Derriford Hospital, Plymouth									1		1	
<b>USA</b>												
East Bay Perinatal Medical Associates, Oakland					9	4	5		2		16	4
Maricopa Medical Center, Phoenix					3	1	3				6	1
University of South Carolina, Columbia					1		2		3		6	
Texas Tech UHSC, Lubbock			2								2	
Jamaica Hospital Medical Center, Jamaica			2	2							2	2
University of Iowa Hospitals and Clinics, Iowa City									1		1	
<b>ESTONIA</b>												
Tartu University Hospital - Women's Clinic, Tartu			5	5	12	9	8		6		31	14
<b>SPAIN</b>												
Hospital Clinic-University of Barcelona, Barcelona			2	2	6	4	10		8		26	6
<b>JORDAN</b>												
Islamic Hospital, Amman			5	5	5	2	8		7		25	7
<b>HUNGARY</b>												
University of Debrecen, Debrecen			5	5	11	2	6		2		24	7
<b>JAMAICA</b>												
University Hospital of the West Indies, Kingston									20		20	
<b>BELGIUM</b>												
Vrije Universiteit Brussel, Brussels			5		7		3				15	
<b>ROMANIA</b>												
University of Pharmacy and Medicine, Cluj-Napoca			2	2	5	5	2		4		13	7
<b>GERMANY</b>												
Ludwig Maximilians University of Munich, Munich					1	1	4		3		8	1
CUB - Benjamin Franklin, Berlin					2				1		3	
<b>CROATIA</b>												
Sveti Duh Hospital, Zagreb			4	4	3		2				9	4
<b>GREECE</b>												
Alexandra Maternity, Athens							1		3		4	