October 31, 2006 Volume 7, Issue 10

## MACS news

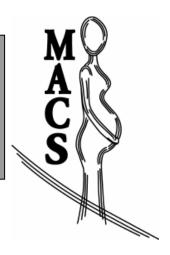
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# We Need 100% Before We Can Begin The Primary Analysis: 90% Cases with all Primary Data Forms Returned 82% Cases with all Queries Resolved DATA CAMPAIGN

The data campaign is on!! In the next few newsletters you will find, in the bubble below, all of the sites that have obtained 100% completed primary data and queries. Congratulations to all who have reached this goal!!! We look forward to adding new names to the list next month.

On the next 2 pages you will find a table that lists all of our centres and the percentage of cases with all primary data forms returned and all queries resolved. We appreciate that many of our wonderful sites recruited patients to the very end and that these data forms cannot be completed as of yet. When all the babies have been born, and the data sent to the DCC, we will be able to add these centres to our 100% list as well. Keep up the hard work!

Once all centres have reached 100%, we will begin the analysis of the primary results. The results will be presented at the MACS Collaborator's Meeting in the fall of 2007. Stay tuned!!!

## CENTRES THAT HAVE REACHED 100% CASES WITH ALL PRIMARY DATA FORMS

#### RETURNED AND ALL QUERIES RESOLVED

Hospital Italiano, Buenos Aires Ramos Mejia, Buenos Aires

Royal University, Saskatoon

CHUS Fleurimont, Sherbrooke

Children's & Women's Health Centre of BC, Vancouver

North Bay General, North Bay

Dr Everett Chalmers Regional, Fredericton

Peace Maternity, Shanghai

Aarhus University, Aarhus

University of Marburg, Marburg

St Hedwig Hospital, Regensburg

Dr Horst-Schmidt-Kliniken, Wiesbaden

MHH Hannover, Hannover

University of Debrecen, Debrecen

Bnai Zion, Haifa

Hadassah Ein Kerem, Jerusalem Poriya Government, Tiberias

Sheba Medical Center, Ramat-Gan

Islamic, Amman

Hospital Nacional Cayetano Heredia, Lima

Research Institute, Ivanovo

University Women's Hospital, Basel

University Hospital, Zurich Atrium Medical Center, Heerlen

Royal Free, London

The Queen Elizabeth Hospital, King's Lynn

Bethesda, Cincinnati

Baystate Medical Center, Springfield

Albany Medical Center, Albany

Winthrop, Mineola

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### MACS Primary Data Report Forms Returned and Queries Resolved (Entry, Treatment, Delivery, Maternal, Neonatal)

Country	Centre		% Cases with all Forms Returned	% Cases with all Queries Resolved			
ARGENTINA							
	Hospital Penna, Bahia Blanca	204	93%	88%			
	Hospital Posadas, Buenos Aires	60	78%	65%			
	Hospital JR Vidal, Corrientes	44	90%	45%			
	Ramon Carrillo, Santiago del Estero	38	97%	92%			
	LC Lagomaggiore, Mendoza	33	100%	93%			
	Hospital Sarda, Buenos Aires	23	100%	86%			
	Hospital Angela Iglesia de Llano, Corrientes	18	50%	11%			
	Hospital Italiano, Buenos Aires	15	100%	100%	Congratulations!		
	Hospital JM Cullen, Santa Fe	6	66%	50%			
	Ramos Mejia, Buenos Aires	5	100%	100%	Congratulations!		
	Hospital Italiano de La Plata, La Plata	3	66%	66%			
	Hospital Fiorito, Avellaneda	2	100%	0%			
BOLIVIA							
BRAZIL	Instituto de Salud Reproductiva/UDIME, Santa Cruz	14	64%	35%			
DRAZIL	Hospital Geral, Caxias do Sul	8	100%	87%			
	UFSC, Florianopolis	8	0%	0%			
	Maternidade Escola - UFRJ, Rio de Janeiro	5	40%	0%			
	Materno Infantil, Goiania	4	100%	0%			
CANADA	Materia mana, Colama	•	10070	• 70			
O/III/ID/I	Mount Sinai, Toronto	89	91%	79%			
	Royal Alexandra, Edmonton	46	97%	97%			
	IWK Health Centre, Halifax	36	97%	94%			
	St Boniface General, Winnipeg	28	96%	92%			
	Regina General Hospital, Regina	26	80%	80%			
	Royal University, Saskatoon	26	100%	100%	Congratulations!		
	CHUS Fleurimont, Sherbrooke	25	100%	100%	Congratulations!		
	Children's & Women's Health Centre of BC, Vancouve		100%	100%	Congratulations!		
	Sunnybrook Health Sciences Centre, Toronto	20	70%	60%	oong atalahono.		
	North Bay General, North Bay	17	100%	100%	Congratulations!		
	Dr Everett Chalmers Regional, Fredericton	7	100%	100%	Congratulations!		
CHILE	Di Everett Chaimers Regional, Frederictori	1	100 /6	100 /0	Congratulations		
CHILL	Sotero del Rio, Puente Alto	92	83%	78%			
	Universidad Catolica, Santiago	33	81%	78%			
	Hospital Clinico San Borja Arriaran, Santiago	23	86%	69%			
CHINA	Troophar Similos San 201/a / maran, Samago		5575	0070			
	Peace Maternity, Shanghai	4	100%	100%	Congratulations!		
COLOMBIA	CEMIYA, Cali	85	84%	78%			
	Universidad del Norte, Barranguilla	6	100%	0%			
DENIMADIA	Oniversidad dei Norte, Barranquilla	U	100 /6	U /0			
DENMARK	Aarhus University, Aarhus	35	100%	100%	Congratulations!		
GERMANY			/ •				
	Klinikum Nurnburg Sud, Nurnburg	35	88%	88%			
	CUB - Benjamin Franklin, Berlin	16	100%	87%			
	University of Marburg, Marburg	14	100%	100%	Congratulations!		
	Helios Klinikum, Erfurt	13	92%	46%	•		
		-					

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Country	Centre	# Patients Recruited	% Cases with all Forms Returned	% Cases I Queries R	
		_			
	Dr Horst-Schmidt-Kliniken, Wiesbaden	5	100%	100%	Congratulations!
	University of Leipzig, Leipzig	5	80%	60%	
	University Women's Hospital, Homburg	5	100%	60%	
	TU Munchen, Munchen	3	100%	66%	
	Bonn University, Bonn	1	0%	0%	
LILING A DV	MHH Hannover, Hannover	1	100%	100%	Congratulations!
HUNGARY	University of Debrecen, Debrecen	45	100%	100%	Congratulations!
ISRAEL	Offiverally of Debreech, Debreech	40	10070	10070	oongratulations:
ISKALL	Haemek, Afula	58	75%	74%	
	Rabin, Petach Tikva	37	89%	81%	
	Edith Wolfson, Holon	34	97%	97%	
	Ma'ayney Hayeshua Medical Center, Bnei Brak	32	96%	81%	
	Meir Hospital, Kfar-Saba	26	92%	80%	
	Soroka, Beer Sheva	15	93%	86%	
	Bnai Zion, Haifa	12	100%	100%	Congratulations!
	Hadassah Ein Kerem, Jerusalem	4	100%	100%	Congratulations!
	Poriya Government, Tiberias	3	100%	100%	Congratulations!
	Sheba Medical Center, Ramat-Gan	2	100%	100%	Congratulations!
JORDAN	Sheba Wedicar Genter, Namat Gan	_	10070	10070	congratulations.
PERU	Islamic, Amman	15	100%	100%	Congratulations!
LKO	Hospital Nacional Cayetano Heredia, Lima	2	100%	100%	Congratulations!
POLAND					•
	University School of Medical Sciences, Poznan	108	82%	75%	
	Polish Mothers Memorial Hospital, Lodz	66	93%	93%	
	Medical University of Gdansk, Gdansk	56	98%	98%	
RUSSIAN FEDERATIO					
	Research Centre of Obs, Gyn & Perinatology, Mosco		100%	80%	
	Research Institute, Ivanovo	3	100%	100%	Congratulations!
SPAIN	University of Percelona Heapital Clinia Percelona	24	050/	000/	
CW/IT7EDLAND	University of Barcelona Hospital Clinic, Barcelona	21	95%	90%	
SWITZERLAND	University Women's Hospital, Basel	14	100%	100%	Congratulations!
	CHU Vaudois, Lausanne	9	100%	77%	oongratalations.
	University Hospital, Zurich	4	100%	100%	Congratulations!
THE NETHERLANDS	om order of the control of the contr			10070	
	Academisch Ziekenhuis, Maastricht	8	100%	75%	
	Atrium Medical Center, Heerlen	1	100%	100%	Congratulations!
UK					-
	Diana, Princess of Wales, Grimsby	4	25%	0%	
	Royal Free, London	2	100%	100%	Congratulations!
	The Queen Elizabeth Hospital, King's Lynn	2	100%	100%	Congratulations!
USA			/		
	Montefiore Medical Center, Bronx	27	88%	85%	
	University of Illinois, Chicago	7	100%	85%	
	Bethesda, Cincinnati	5	100%	100%	Congratulations!
	Baystate Medical Center, Springfield	2	100%	100%	Congratulations!
	Good Samaritan, Cincinnati	2	50%	50%	
	Albany Medical Center, Albany	1	100%	100%	Congratulations!
	Winthrop, Mineola	1	100%	100%	Congratulations!
	Total	1858	90 %	82 %	

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#### WELCOME!!!



**ELCOME** Please extend a very warm welcome to Gail Klein, who has recently joined the MACS team. She will be focusing her efforts on obtaining 100% follow-up on the 18-24 month assessments.

> Gail is looking forward to communicating with you to complete this endeavour. Please feel free to email / call / write to her; she would love to hear from you!

Gail can be reached at: MACS@sw.ca OR 1-416-351-2530

#### MOMMY MADNESS ...



Laura Tomat is going on Maternity leave as of December 2006. She will be back in a few months.

We wish her the best of luck with this life journey!!!

#### 18-24 MONTH FOLLOW-UP

At the Twin Birth Study Collaborators' Meeting, we were happy to attend a 2year follow-up "break-out" session where we had the opportunity to brainstorm ideas together.

Some ideas regarding staying in touch with the families, which came from our investigators, included:



- Using any/all methods of communication available, including telephone, email and fax (cell phones are less reliable due to frequent changes)
- Contacting the grandparents if you cannot locate the parents (grandparents tend to move less)
- Using any small details about the family that you may remember to try to locate them. For example, one family was located because the Coordinator recalled where the brother-in-law worked! That's dedication!

18-24 Month Follow-up of MACS Babies
The MACS 18-24 Month Follow-up is displayed in the following table.
Centres are listed according to the total number of recruits by country.
See below for the number of follow-up assessments performed by your centre!
Let's aim for 100% follow-up for 2003 & 2004!!



Follow-Up Status		2001 2002		2003		2004		2005		2006		Totals		
	pe	ete p	рe	ete p	pe	ete p								
	#Recruited	# Complete Follow-Up												
	Rec	Cor	3ec	Col	3ec	Col	3ec	Cor	3ec	Col	3ec	Col	3ec	Cor
As of October 2006 COUNTRY	#	# <u>K</u>	#	# Ľ	#	# Ľ	#	# Ľ	#	# Ľ	#	# Ľ	#	# Щ
ARGENTINA					2	2	145	96	190	1	114		451	99
CANADA	29	29	67	63	66	64	68	44	60		52		342	200
POLAND ISRAEL	20	20	70 50	67 45	76 56	62 46	39 57	10 12	32 32		13 8		230 223	139 123
CHILE	20	20	20	16	23	22	38	16	34		33		148	123 54
GERMANY			2	1	33	25	40	17	17		13		105	43
COLOMBIA			4-	40			35	17	31	1	25		91	18
HUNGARY USA	8	7	17 9	16 3	14 14	9	11 10	7 2	3		1		45 45	32 16
DENMARK	9	9	13	13	5	5	6		2				35	27
SWITZERLAND	3	3	6	6	8	7	5	3	3		2		27	19
BRAZIL					3	3	4	4	4		18		25	7
SPAIN RUSSIAN FEDERATION					3 1	3 1	7 10	4 10	4 1		7 6		21 18	7 11
JORDAN					12	2	3						15	2
BOLIVIA							8		1		5		14	
THE NETHERLANDS					5	5	1	1	2		4		9	6
UK CHINA					1	1	3	3			4		8	3
PERU									1		1		2	
Total	69	68	254	230	322	261	494	247	416	2	303		1858	808
		98.6%		90.6%		81.1%		50.0%		0.5%				43%
CENTRES BY COUNTRY		(Shaded	area is n	rior to sta	art-up)									
		,	P		1-7									
ARGENTINA									0.5	1	00	l	001	
Hospital Penna, Bahia Blanca Hospital Posadas, Buenos Aires					2	2	71 18	55 14	95 20	1	38 20		204 60	55 17
Hospital JR Vidal, Corrientes							8		21		15		44	
Ramon Carrillo, Santiago del Estero							11	11	18		9		38	11
LC Lagomaggiore, Mendoza							15	6	14 14		4		33	6 5
Hospital Sarda, Buenos Aires Hospital Angela Iglesia de Llano, Corrientes							5	5	14		18		23 18	3
Hospital Italiano, Buenos Aires							7	5	8				15	5
Hospital JM Cullen, Santa Fe											6		6	
Ramos Mejia, Buenos Aires Hospital Italiano de La Plata, La Plata							5 3						5 3	
Hospital Fiorito, Avellaneda							2						2	
CANADA Marint Circli Toronto	_		1 40	1 4-		40		40	4-	1	40	l		
Mount Sinai, Toronto Royal Alexandra, Edmonton	9	9	18 8	15 8	11 11	10 11	22 10	10 7	17 11		12 4		89 46	44 28
IWK Health Centre, Halifax			5	5	12	12	5	4	5		9		36	21
St Boniface General, Winnipeg			5	5	6	6	6	6	8		3		28	17
Regina General Hospital, Regina Royal University, Saskatoon	0		5 9	5 9	1	1	4	2	5 1		11		26	9
Royal University, Saskatoon CHUS Fleurimont, Sherbrooke	3	3	9	8	6 5	6 5	2 7	5	1				26 25	25 21
Children's & Women's Health Centre of BC, Vancouver	7	7	5	5	4	4	2	Ū	2		2		22	16
Sunnybrook Health Sciences Centre, Toronto			3	3	5	5		_	3		9		20	8
North Bay General, North Bay  Dr Everett Chalmers Regional, Fredericton					5	4	7	5 2	3		1		17 7	9
DI EVEREU CHAIITIEIS Negional, Fredericion							J		J	<u> </u>		<u> </u>		
POLAND														
Univ School of Medicine, Poznan			35	35	30	22	22	L	14		7		108	57
Polish Mothers Memorial Hospital, Lodz  Medical University of Gdansk, Gdansk			21 14	19 13	19 27	16 24	8	5 5	14 4		2		66 56	40 42
iniculcal University of Guarisk, Guarisk			14	113	21	<u> </u>	Э	5	4	<u> </u>		<u> </u>	36	42
ISRAEL													•	
Haemek, Afula			10	9	11	9	26	2	11				58	20
Rabin, Petach Tikva Edith Wolfson, Holon	9	9	10 8	9 7	8 15	8 15	5 5	2	4 5		1		37 34	28 24
Ma'ayney Hayeshua Medical Center, Bnei Brak	7	7	1	1	9	9	5	2	7		3		32	19
Meir Hospital, Kfar-Saba			3	2	5		11		4		3		26	2
Soroka, Beer Sheva	1	1	12	12	1	1	1						15	14
Bnai Zion, Haifa Hadassah Ein Kerem, Jerusalem	3	3	3	3	5	4	3	3	1				12 4	11 3
Poriya Government, Tiberias			3	2			3	3	<u> </u>				3	2
Sheba Medical Center, Ramat-Gan					2								2	

Follow-Up Status	2001		2002		2003		2004		2005		2006		Totals	
	pə	# Complete Follow-Up	pə	# Complete Follow-Up	pə	# Complete Follow-Up	pə	ete Jp	pə	# Complete Follow-Up	pə	# Complete Follow-Up	pə	# Complete Follow-Up
	#Recruited	mpl w-L	#Recruited	mpl w-L	#Recruited	mpl w-L	#Recruited	# Complete Follow-Up	#Recruited	mpl w-L	#Recruited	mpl w-L	#Recruited	umpl w-L
As of October 2006	.ñ.	00 e	<sup>:</sup> Re	0 €	Rec	್ರಿ ∺	Rec	သို့ မို	<sup>:</sup> Re	S ≅	Rec	್ರಿ ∺	Rec	S
7.0-0. 0.0000. 2000	+	# 1	*	* -	*	# 11	**	# 1	*	# 1	**	# 11	**	# 1
CHILE			40	10	40	- 44	07	10	40	1	21	ı	00	33
Sotero del Rio, Puente Alto Universidad Catolica, Santiago			16 4	12 4	12 11	11 11	27 6	10 4	16 5		7		92 33	19
Hospital Clinico San Borja Arriaran, Santiago							5	2	13		5		23	2
GERMANY Klinikum Nurnburg Sud, Nurnburg			2	1	15	13	9	6	3		6	I	35	20
CUB - Benjamin Franklin, Berlin				·	10	7	3	Ŭ	3				16	7
University of Marburg, Marburg					2	2	6		4		2		14	2
Helios Klinikum, Erfurt					2	2	6 4	2	2		5		13 7	6
St Hedwig Hospital, Regensburg University of Leipzig, Leipzig					2		3	4	1				5	ь
University Women's Hospital, Homburg							4	2	1				5	2
Dr Horst-Schmidt-Kliniken, Wiesbaden							2	2	3				5	2
TU Munchen, Munchen MHH Hannover, Hannover					1	1	2	1					3 1	1
Bonn University, Bonn						'	1						1	
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COLOMBIA CEMIYA, Cali							25	17	25	1	25	l	0F	10
Universidad del Norte, Barranquilla							35	17	25 6	<u> </u>	25		85 6	18
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USA	-				_							ı		1 , 1
Montefiore Medical Center, Bronx University of Illinois, Chicago	7	7	6	2	9	3	4	1	2		1		27 7	13 1
Bethesda, Cincinnati			2	1	2		1						5	1
Good Samaritan, Cincinnati			1		1								2	
Baystate Medical Center, Springfield					2	1							2	1
Winthrop, Mineola Albany Medical Center, Albany	1						1						1	
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HUNGARY									_					
University of Debrecen, Debrecen			17	16	14	9	11	7	3			Į	45	32
DENMARK														
Aarhus University, Aarhus	9	9	13	13	5	5	6		2				35	27
SWITZERLAND														
University Women's Hospital, Basel			2	2	8	7	3	3	1				14	12
CHU Vaudois, Lausanne	3	3	4	4			1		1				9	7
University Hospital, Zurich							1		1		2		4	
BRAZIL														
UFSC, Florianopolis											8		8	
Hospital Geral, Caxias do Sul					3	3	4	4			1		8	7
Maternidade Escola - UFRJ, Rio de Janeiro  Materno Infantil, Goiania											5 4		5 4	
Waterno Illiantii, Golania											4	I	4	
SPAIN											•			
University of Barcelona Hospital Clinic, Barcelona					3	3	7	4	4		7	ļ	21	7
RUSSIAN FEDERATION														
Research Centre of Obs, Gyn & Perinatology, Moscow					1	1	7	7	1		6		15	8
Research Institute, Ivanovo							3	3					3	3
JORDAN														
Islamic, Amman					12	2	3						15	2
BOLIVIA Instituto de Salud Reproductiva/UDIME, Santa Cruz							8		1		5		14	
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THE NETHERLANDS				1		1	1	1		1		1		, ,
Academisch Ziekenhuis, Maastricht					4	4	1	1	2		1		8	5 1
Atrium Medical Center, Heerlen	1	ı		I	1			1		l		l	1	_
UK													•	
Diana, Princess of Wales, Grimsby											4		4	
The Queen Elizabeth Hospital, King's Lynn Royal Free, London					1	1	2	1					2	2
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CHINA		_				1		1				1		,
Peace Maternity, Shanghai							4	3					4	3
PERU														
Hospital Nacional Cayetano Heredia, Lima									1		1		2	