**Appendix**

**Table S1: CHIPS Study Group**

|  |
| --- |
| **Steering Committee**: Laura A. Magee (Chair), Elizabeth Asztalos, Amiram Gafni, Andrée Gruslin, Michael Helewa, Eileen Hutton, Shoo Lee, Alexander Logan, Jennifer Menzies, Jean-Marie Moutquin, Kellie Murphy, Evelyne Rey, Sue Ross, Johanna Sanchez, Joel Singer, Peter von Dadelszen  |
| **Working Group**: Laura A. Magee (Chair), Elizabeth Asztalos, Peter von Dadelszen, Trinh Hoac, Joanne Kirton, Jennifer Menzies, Sue Ross, Johanna Sanchez, Katherine Trigiani, Ainy Zahid  |
| **Adjudication Committee**: Laura A. Magee (Chair), Elizabeth Asztalos, Kellie Murphy, Evelyne Rey, Peter von Dadelszen  |
| **Data Safety Monitoring Board**: Michael B. Bracken (Chair), Patricia Crowley, Lelia Duley, Richard Ehrenkranz, Kevin Thorpe  |
| **Data programmers and analysts**: Sunny Chan, Michael Shi, Shelley Yu  |
| **Collaborators**: The number of women recruited in each country and centre is specified in brackets. |
| **ARGENTINA** (36): |
| **Hospital LC Lagomaggiore**, Mendoza (16): Raquel de Lourdes Martin, Maria Florencia Bassi, Mirta Clara Caruso, Valeria Lagunas, Fernando Vera |
| **Hospital Avellaneda**, Tucuman (10): Maria Mohedano de Duhalde, Alicia Beatriz Roque, Patricia Roldan, Esteban Marcos Duhalde, Viviana Dip |
| **Hospital JR Vidal**, Corrientes (8): Jesus Daniel Aguirre, Elba Mirta Alicia Morales, Griselda Itati Abreo, Teresa De Sagastizabal, Carolina Gomez, Nadia Rizzi  |
| **Hospital JM Cullen**, Santa Fe (2): Carlos Arias, Ricardo Antonio Bruno  |
| **AUSTRALIA** (85): |
| **Ipswich Hospital**, Ipswich (36): Kassam Mahomed, Alison Drew, Ann Green, Jane Hoare |
| **Women's and Children's Hospital**, Adelaide (18): Bill Hague, Suzette Coat, Caroline Crowther, Peter Muller , Sophie Trenowden |
| **King Edward Memorial Hospital**, Subiaco (17): Barry Walters, Claire Parker, Dorothy Graham, Craig Pennell, Eileen Sung  |
| **Campbelltown Hospital**, Penrith South (8): Angela Makris, Gaksoo Lee, Charlene Thornton, Annemarie Hennessy  |
| **Liverpool Hospital**, Penrith South (5): Angela Makris, Gaksoo Lee, Charlene Thornton, Annemarie Hennessy |
| **St John of God Hospital**, Subiaco (1): Louise Farrell, Claire Parker, Eileen Sung, Barry Walters  |
| **BRAZIL** (19): |
| **Maternidade de Vila Nova Cachoeirinha**, Sao Paulo (7): Nelson Sass, Henri Korkes, Dayana Couto Ferreira  |
| **Hospital Universitario Antonio Pedro**, Niteroi (6): Renato Augusto Moreira de Sa, Monique Schmidt Marques Abreu  |
| **Maternidade Escola da UFRJ**, Rio de Janeiro (4): Rita Guerios Bornia, Nancy Ribeiro da Silva, Fernanda Freitas Oliveira Cardoso |
| **Hospital Sao Lucas - PUCRS**, Porto Alegre (2): Caio Coelho Marques, Jorge Hornos, Ricardo Leal Davdt, Letícia Germany Paula, Pedro Luis Zanella  |
| **CANADA** (233): |
| **British Columbia Women's Hospital and Health Centre**, Vancouver (32): Laura A. Magee, Peter von Dadelszen, Gabrielle Inglis, Ruth Dillon, Ashley Docherty, Anna Hutfield  |
| **Jim Pattison Outpatient Care and Surgery Centre**, Surrey (26): Keith Still, Sayrin Lalji, Tamara Van Tent, Chris Hotz, Tracy Messmer  |
| **St Michael's Hospital**, Toronto (22): Joel G. Ray, Howard Berger, Leanne De Souza, Andrea Lausman, Tatiana Freire-Lizama, Kate Besel  |
| **Foothills Medical Centre**, Calgary (21): Paul Gibson, Greta Ellsworth, Leslie Miller, T. Lee-Ann Hawkins  |
| **Sunnybrook Health Sciences Centre**, Toronto (19): Michelle Hladunewich, Anna Rogowsky, Dini Hui, Virginia Collins |
| **IWK Health Centre**, Halifax (19): Isabelle Delisle, Cora Fanning  |
| **Royal Alexandra Hospital**, Edmonton (16): Nestor Demianczuk, Rshmi Khurana, Winnie Sia, Catherine Marnoch, Carmen Young, Cheryl Lux  |
| **CHU Sainte-Justine**, Montreal (15): Evelyne Rey, Sophie Perreault, Valerie Tremblay |
| **CHUS Fleurimont**, Sherbrooke (13): Anne-Marie Côté, Jean-Marie Moutquin, Sophie Desindes, Veronique Dagenais  |
| **Ottawa Hospital Civic Division**, Ottawa (13): Andrée Gruslin, Heather Clark, Elaine O'Shea, Ruth Rennicks White  |
| **Mount Sinai Hospital**, Toronto (8): Shital Gandhi, Mary-Jean Martin, Cheryl Brush, Gareth Seaward |
| **Royal University Hospital**, Saskatoon (6): Jill Newstead-Angel, Judy Brandt, Jocelyne Martel, Kristine Mytopher, Elise Buschau  |
| **Ottawa Hospital General Division**, Ottawa (5): Andree Gruslin, Erin Keely, Patti Waddell, Ruth Rennicks White, Svetlana Shachkina, Alan Karovitch |
| **St Paul's Hospital**, Vancouver (5): Robert Anderson, Nicole Koenig, Theresa Yong  |
| **Toronto East General Hospital**, Toronto (5): Marie Vasiliou, Peri Johnson, Beth Allan |
| **London Health Sciences Centre**, London (4): Renato Natale, Laura Kennedy  |
| **Royal Victoria Hospital**, Montreal (2): Lucie Opatrny, Lorraine Lavigne |
| **Regina General Hospital**, Regina (1): George Carson, Sheila Kelly  |
| **Women’s Health Centre**, St John's (1): Joan Crane, Donna Hutchens  |
| **CHILE** (57): |
| **Hospital Dr Sotero del Rio**, Puente Alto (45): Juan Pedro Kusanovic, Christian Figueroa, Karla Silva Neculman, Juan Andres Ortiz, Paula Vargas |
| **Hospital Base Osorno**, Osorno (12): Pedro Ferrand, Jorge Carrillo |
| **COLOMBIA** (36):  |
| **Corporacion Comfenalco Valle - Universidad Libre** (20), **Clinica Versalles** (11), **Clinica Materno Infantil Farallones** (5), Cali: Rodrigo Cifuentes Borrero, Dahiana Marcela Gallo, Luisa Fernanda Moreno  |
| **ESTONIA** (19): |
| **Tartu University Hospital - Women's Clinic**, Tartu (19): Fred Kirss, Kristiina Rull, Anne Kirss  |
| **HUNGARY** (5): |
| **University of Debrecen**, Debrecen (5): Tamas Major, Andrea Fodor, Tunde Bartha  |
| **ISRAEL** (12): |
| **Hillel Yaffe Medical Center**, Hadera (6): Mordechai Hallak, Nardin Aslih, Saja Anabousi-Murra, Ester Pri-Or |
| **Ma'ayney Hayeshua Medical Center**, Bnei Brak (3): Linda Harel, Sima Siev  |
| **Nazareth Hospital (EMMS)**, Nazareth (3): Marwan Hakim, Christina Simona Khoury, Najla Hamati  |
| **JORDAN** (13): |
| **Islamic Hospital**, Amman (13): Mazen El-Zibdeh, Lama Yousef  |
| **NEW ZEALAND** (17): |
| **Christchurch Women's Hospital**, Christchurch (16): Ruth Hughes, Di Leishman, Barbra Pullar |
| **Waitemata Health-North Shore Hospital**, Auckland (1): Matthew Farrant |
| **POLAND** (21): |
| **Medical University of Gdansk**, Gdansk (9): Malgorzata Swiatkowska-Freund, Krzysztof Preis, Anette Aleksandra Traczyk-Los, Anna Partyka, Joanna Preis-Orlikowska, Mariusz Lukaszuk  |
| **Polish Mothers Memorial Hospital**, Lodz (9): Grzegorz Krasomski, Michael Krekora, Anna Kedzierska-Markowicz, Katarzyna Zych-Krekora |
| **University School of Medical Sciences**, Poznan (3): Grzegorz H. Breborowicz, Anna Dera-Szymanowska |
| **THE NETHERLANDS** (96): |
| **Academic Medical Center**, Amsterdam (28): Wessel Ganzevoort, Jannet Bakker, Joost Akkermans, Anouk Pels  |
| **OLVG**, Amsterdam (13): Eline van den Akker, Sabine Logtenberg  |
| **UMCU**, Utrecht (10): Steven Koenen, Maartje de Reus, David Borman, Martijn A. Oudijk |
| **VU Medical Center**, Amsterdam (9): Annemiek Bolte, Viki Verfaille, Bart Graaf |
| **Maxima Medical Centre**, Veldhoven (8): Martina Porath, Corine Verhoeven, Ben Willem Mol |
| **UMCG**, Groningen (6): Maureen T.M. Franssen, Lida Ulkeman, Ineke Hamming, Jose H.M. Keurentjes, Ina van der Wal  |
| **Isala Klinieken Zwolle**, Zwolle (5): S.W.A. Nij Bijvank, A.A. Lutjes  |
| **Tergooiziekenhuizen**, Hilversum (5): Henricus Visser, Jannet Bakker |
| **MUMC Maastricht**, Maastricht (4): Hubertina Catharina Johanna Scheepers |
| **St Antonius Ziekenhuis**, Nieuwegein (3): Erik van Beek, David Borman, Coby van Dam, Kathy van den Berg-Swart |
| **Kennemer Gasthuis Haarlem**, Haarlem (2): Paula Pernet, Birgit van der Goes |
| **Diakonessen Ziekenhuis**, Utrecht (1): Nico Schuitemaker |
| **Flevo ziekenhuis**, Almere (1): Gunilla Kleiverda, Marcel van Alphen, Ageeth Rosman  |
| **Jeroen Bosch Hospital**, 's-Hertogenbosch (1): Ingrid Gaugler-Senden, Marieke Linders  |
| **UNITED KINGDOM** (268):  |
| **Guy's & St Thomas' Hospital**, London (38): Catherine Nelson-Piercy, Annette Briley, May Ching Soh, Kate Harding, Hayley Tarft  |
| **New Cross Hospital**, Wolverhampton (31): David Churchill, Katherine Cheshire, Julia Icke, Mausumi Ghosh  |
| **Nottingham City Hospital**, Nottingham (30): James Thornton, Yvonne Toomassi, Karen Barker, Joanne Fisher, Nicky Grace, Amanda Green, Joanne Gower , Anna Molnar, Shobhana Parameshwaran, Andrew Simm |
| **Queen's Medical Centre**, Nottingham (22):James Thornton, George Bugg, Yvette Davis, Ruta Desphande, Yvette Gunn, Mohammed Houda, Anna Molnar, Nia Jones |
| **Royal Victoria Infirmary**, Newcastle upon Tyne (22): Jason Waugh, Carly Allan, Gareth Waring |
| **Liverpool Women's Hospital**, Liverpool (16): Steve A. Walkinshaw , Angela Pascall, Mark Clement-Jones, Michelle Dower, Gillian Houghton, Heather Longworth, Tej Purewal |
| **Bradford Royal Infirmary**, Bradford (13): Derek Tuffnell, Diane Farrar, Jennifer Syson, Gillian Butterfield, Vicky Jones, Rebecca Palethorpe, Tracey Germaine |
| **Leicester Royal Infirmary**, Leicester (12): Marwan Habiba, Debbie Lee |
| **Wexham Park Hospital**, Slough (12): Olufemi Eniola, Lynne Blake, Jane Khan |
| **City Hospitals Sunderland NHS Foundation Trust**, Sunderland (10): Helen M. Cameron, Kim Hinshaw, Amanda Bargh, Eileen Walton  |
| **South Warwickshire NHS Trust**, Warwick (9):Olanrewaju Sorinola, Anna Guy, Zoe D'Souza, Rhiannon Gabriel, Jo Williams  |
| **Derriford Hospital**, Plymouth (8): Ross Welch, Heidi Hollands  |
| **York Hospital**, York (8): Olujimi Jibodu, Sara Collier, Pauline Tottie, Claire Oxby, James Dwyer  |
| **Singleton Hospital**, Swansea (7): Franz Majoko, Helen Goldring, Sharon Jones |
| **Chesterfield Royal Hospital**, Chesterfield (6): **Janet Cresswell,** LouiseUnderwood**,** MaryKelly-Baxter**,** RebeccaRobinson |
| **Sheffield Teaching Hospitals NHS Foundation Trust**, Sheffield (6): Dilly Anumba, Anne Chamberlain, Clare Pye  |
| **St Mary's Hospital**, Manchester (6): **Clare Tower,** Sue Woods**,** Lisa Horrocks, Fiona Prichard, Lynsey Moorhead, Sarah Lee, LouiseStephens , Cara Taylor, Suzanne Thomas, Melissa Whitworth, Jenny Myers  |
| **Birmingham Women's Hospital**, Birmingham (5): Ellen Knox, Katie Freitas, Mark Kilby, Amanda Cotterill |
| **Lancashire Teaching Hospitals NHS Foundation Trust**, Lancashire (3): Khalil Abdo, Katrina Rigby, Julie Butler, Fiona Crosfill, Sean Hughes, Sanjeev Prashar, Fatimah Soydemir  |
| **The Royal Derby Hospital**, Derby (3): Janet Ashworth, Lorraine Mycock, Jill Smith  |
| **Basildon & Thurrock University Hospital**, Basildon (1): **Amaju Ikomi,** Kerry Goodsell, JeanByrne**,** MaxwellMasuku**,** AlicePilcher |
| **USA** (70): |
| **Cooper University Hospital**, Camden (13): Meena Khandelwal, Gunda Simpkins, Michelle Iavicoli, Yon Sook Kim, Richard Fischer, Robin Perry |
| **Medical University of South Carolina**, Charleston (11): Eugene Y. Chang, Tamara D. Saunders, Betty W. Oswald, Kristin D. Zaks  |
| **Beth Israel Deaconess**, Boston (8): Sarosh Rana, Dawn McCullough |
| **Yale-New Haven Hospital**, New Haven (8): Anna Sfakianaki, Cheryl Danton, Erin Kustan, Luisa Coraluzzi |
| **Norton Hospital Downtown** (7), **Norton Suburban Hospital** (2), Louisville: Helen How, Christina Waldon |
| **East Carolina University**, Greenville (6): Jeffrey Livingston, Sherry Jackson, Lisa Greene |
| **Meriter Hospital**, Madison (6): Dinesh Shah  |
| **Oregon Health & Science University**, Portland (5): Jorge E. Tolosa, Monica Rincon, Leonardo Pereira, Amy E. Lawrence, Janice E. Snyder |
| **University of North Carolina**, Chapel Hill (4): D. Michael Armstrong, Teresa Blue, Austin Hester, Kathryn Salisbury |

**Table S2: Reference – Flow of women through CHIPS up to and including the PPQ completion**

|  |  |  |
| --- | --- | --- |
|  | **‘Less tight’** | **‘Tight’** |
| N women with information about primary and secondary outcomes | 493 | 488 |
| Missing PPQ (due to withdrawal or loss to f/u) | 5 | 5 |
| N women with PPQ received | 488 | 483 |
| PPQ completed by medical records so women’s views were not obtained | 30 | 30 |
| *Withdrew prior to delivery* | *3* | *4* |
| *Lost to f/u prior to delivery* | *2* | *3* |
| *Withdrew after delivery* | *0* | *0* |
| *Lost to f/u after delivery* | *21* | *19* |
| *For justifiable reasons (baby died)* | *4* | *4* |
| N women with PPQs informative with regards to women’s views | 458 | 453 |

**Table S3: Theme categories mentioned by women when asked about willingness to have the same treatment in another pregnancy\***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Theme** | **‘Less tight’ (N=268)** | **‘Tight’ (N=265)** | **‘Less tight’** | **‘Tight’** |
| Willing (N=242) | NOT willing (N=25) | Willing (N=249) | NOT willing (N=15) |
|  | Pos | Neg | Pos | Neg | Pos | Neg | Pos | Neg | Pos | Neg | Pos | Neg |
| **Process of care** |  |  |  |  |  |  |  |  |  |  |  |  |
| Extra health care provider attention | 63 | 1 | 60 | 1 | 61 | 1 | 2 | 0 | 60 | 1 | 0 | 0 |
| Quality care | 60 | 2 | 55 | 0 | 60 | 1 | 0 | 1 | 55 | 0 | 0 | 0 |
| Quality of treatment | 17 | 5 | 16 | 3 | 17 | 0 | 0 | 5 | 16 | 2 | 0 | 1 |
| **Research processes** |  |  |  |  |  |  |  |  |  |  |  |  |
| Comments about research staff | 20 | 1 | 21 | 0 | 20 | 1 | 0 | 0 | 21 | 0 | 0 | 0 |
| Play role in research & help others† | 23 | 0 | 16 | 0 | 23 | - | 0 | - | 16 | - | 0 | - |
| Learning opportunity† | 11 | 0 | 26 | 0 | 11 | - | 0 | - | 26 | - | 0 | - |
| Quality of study | 14 | 1 | 14 | 0 | 13 | 1 | 1 | 0 | 14 | 0 | 0 | 0 |
| Amount of work required | 11 | 4 | 16 | 3 | 11 | 4 | 0 | 0 | 16 | 1 | 0 | 2 |
| Importance of research† | 2 | 0 | 3 | 0 | 2 | - | 0 | - | 3 | - | 0 | - |
| **Drivers of decision-making** |  |  |  |  |  |  |  |  |  |  |  |  |
| Feelings of safety (+) or worry (-) | 23 | 5 | 22 | 3 | 23 | 1 | 0 | 4 | 22 | 1 | 0 | 2 |
| Amount of medication | 28 | 8 | 5 | 9 | 28 | 2 | 0 | 6 | 5 | 5 | 0 | 4 |
| Blood pressure level achieved | 11 | 14 | 11 | 6 | 10 | 3 | 1 | 11 | 11 | 3 | 0 | 3 |
| Increased BP monitoring | 17 | 1 | 7 | 1 | 16 | 0 | 1 | 1 | 7 | 1 | 0 | 0 |
| **Outcomes** |  |  |  |  |  |  |  |  |  |  |  |  |
| Maternal outcomes | 24 | 10 | 33 | 6 | 24 | 1 | 0 | 9 | 33 | 3 | 0 | 3 |
| Infant outcomes | 4 | 0 | 13 | 3 | 4 | 0 | 0 | 0 | 13 | 2 | 0 | 1 |
| **Other** |  |  |  |  |  |  |  |  |  |  |  |  |
| Any / no problems | 14 | 0 | 11 | 0 | 14 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| Planning for future pregnancies‡ | 8 | 0 | 7 | 0 | 4 | - | 4 | - | 4 | - | 3 | - |
| Don't know‡ | 3 | 0 | 6 | 0 | 3 | - | 0 | - | 5 | - | 1 | - |

*\* Results are presented according to randomised group (‘less tight’ vs. ‘tight’ control), willingness to have the same treatment in another pregnancy (‘yes’ or ‘no’), and whether the comments made were positive or negative.*

*† These themes are positive by their nature.*

*‡ These themes are neither positive nor negative in nature.*

**Table S4: Theme categories mentioned by women when asked about willingness to recommend treatment to a friend\***

|  |  |  |  |
| --- | --- | --- | --- |
| **Theme** | **N responses** | **Less Tight (N=210)** | **Tight (N=213)** |
| ‘Yes’ (N=191) | ‘No’ (N=19) | ‘Yes’ (N=198) | ‘No’ (N=15) |
|  | Total | Pos | Neg | Pos | Neg | Pos | Neg | Pos | Neg | Pos | Neg |
| **Process of care** |  |  |  |  |  |  |  |  |  |  |  |
| Extra health care provider attention | 78 | 77 | 1 | 35 | 0 | 1 | 1 | 41 | 0 | 0 | 0 |
| Quality care | 85 | 84 | 1 | 44 | 0 | 0 | 0 | 40 | 1 | 0 | 0 |
| Quality of treatment | 24 | 24 | 0 | 12 | 0 | 0 | 0 | 12 | 0 | 0 | 0 |
| **Research processes** |  |  |  |  |  |  |  |  |  |  |  |
| Comments about research staff | 21 | 20 | 1 | 10 | 0 | 0 | 1 | 10 | 0 | 0 | 0 |
| Play role in research & help others† | 32 | 32 | - | 21 | - | 0 | - | 11 | - | 0 | - |
| Learning opportunity† | 25 | 25 | - | 12 | - | 1 | - | 12 | - | 0 | - |
| Quality of study | 27 | 27 | 0 | 8 | 0 | 1 | 0 | 18 | 0 | 0 | 0 |
| Amount of work required | 24 | 22 | 2 | 8 | 1 | 0 | 0 | 14 | 0 | 0 | 1 |
| Importance of research† | 4 | 4 | - | 2 | - | 0 | - | 2 | - | 0 | - |
| **Drivers of decision-making** |  |  |  |  |  |  |  |  |  |  |  |
| Feelings of safety (+) or worry (-) | 31 | 30 | 1 | 14 | 0 | 0 | 1 | 16 | 0 | 0 | 0 |
| Amount of medication | 22 | 17 | 5 | 13 | 1 | 0 | 2 | 4 | 0 | 0 | 2 |
| Blood pressure level achieved | 17 | 9 | 8 | 5 | 2 | 0 | 2 | 4 | 2 | 0 | 2 |
| Increased BP monitoring | 21 | 20 | 1 | 11 | 0 | 0 | 1 | 9 | 0 | 0 | 0 |
| **Outcomes** |  |  |  |  |  |  |  |  |  |  |  |
| Maternal outcomes | 47 | 44 | 3 | 20 | 0 | 1 | 1 | 23 | 2 | 0 | 0 |
| Infant outcomes | 21 | 20 | 1 | 7 | 0 | 0 | 0 | 13 | 0 | 0 | 1 |
| **Other** |  |  |  |  |  |  |  |  |  |  |  |
| Any / no problems | 14 | 14 | 0 | 4 | 0 | 0 | 0 | 10 | 0 | 0 | 0 |
| Planning for future pregnancies‡ | 2 | 2 | - | 0 | - | 1 | - | 1 | - | 0 | - |
| Don't know‡ | 5 | 5 | - | 1 | - | 1 | - | 2 | - | 1 | - |

*\* Results are presented according to randomised group (‘less tight’ vs. ‘tight’ control), willingness to recommend treatment to a friend (‘yes’ or ‘no’), and whether the comments made were positive or negative.*

*† These themes are positive by their nature.*

*‡ These themes are neither positive nor negative in nature.*