

Appendix 2 Example of data coding variability in randomised trials with diet and/or physical activity in pregnancy included in i-WIP IPD meta-analysis

Table 1 Overview of blood test measures and guidelines used to diagnose gestational diabetes in randomised trials included in i-WIP individual participant data meta-analysis

| Type of blood test   | Test unit | Referenced guidelines  |
|--|-----------|--|
| 50-g OGTT, unspecified time  | mmol/l    | WHO criteria 1998  |
| 75-g OGTT, unspecified time  | mg/100 ml | WHO criteria 2006  |
| 2 hour 75-g OGTT   | g/dl      | Carpenter-Coustan Criteria   |
| GCT and OGTT, with unspecified time  | gr/dl     | American Diabetes Association 2011   |
| 2h after 75-g OGTT after overnight fasting tolerance test (O'Sullivan Test)                                      | mg/dl     | Canadian Diabetes Association 2008   |
| 30, 60, 90, 120 and 180 minutes after ingestion of a glucose drink (100 g D-glucose in 0.5 l water)              | mM        | The Australasian Diabetes in Pregnancy Society 1998  |
| 75-g FGTT, unspecified time  |           | South Australian Perinatal Practice Guidelines 2003  |
| Fasting and 2 hours 75-g OGTT with serum levels and fasting insulin (uIU/mL and pmol/L)                          |           | Implementation of the International Association of Diabetes and Pregnancy Study Groups (IADPSG) criteria |
| 2-hour OGTT capillary blood glucose concentration  |           |  |
| Fasting, 1,2 and 3 hours OGTT, unspecified load  |           |  |
| Fasting and 2 h postprandial blood glucose 50-g OGTT   |           |  |
| OGTT, oral glucose tolerance test; GCT, glucose challenge test; FGT, fasting glucose tolerance test; g – gramme; |           |  |

Table 2 Overview of ethnic origin coding in randomised trials included in the i-WIP individual participant data meta-analysis\*

| Caucasian including Russia and Australia | Asian               | Black               | Central/South American | Middle East including Iran and Turkey | Other          |
|--|---------------------|---------------------|------------------------|---------------------------------------|----------------|
| <i>AfroCaribbean</i>                     | Malaysia            | Tunisia             | Argentina              | Iran                                  | Aboriginal/TSI |
| Australia                                | Nepal               | Uganda              | Brazil                 | Iraq                                  | Australia /    |
| Aus - Abor Tsi                           | Pakistan            | <i>Unclassified</i> | Brazil Black           | Israel                                | Aboriginal     |
| Austria                                  | Pakistani           | <i>(other)</i>      | Brazil Pardo           | Lebanon                               | Fiji           |
| Belgian/Dutch                            | Philippines         | Zimbabwe            | Brazil White           | Middle                                | NZ             |
| Belgium                                  | South East          | Maghreb             | Chile                  | Eastern                               | Non-Caucasian  |
| Bosnia                                   | Asian               |                     | Colombia               | Turkey                                | Other          |
| Bosnia-Herzegovina                       | Sri Lanka           |                     | Columbia               | Turkish                               |                |
| Bulgaria                                 | Sri-Lanka           |                     | El Salvador            |                                       |                |
| Caucasian                                | Taiwan              |                     | Mexico                 |                                       |                |
| Caucasian excl Turkey & Morocco          | Thailand            |                     |                        |                                       |                |
| Croatia                                  | <i>Unclassified</i> |                     |                        |                                       |                |
| Czech                                    | <i>(other)</i>      |                     |                        |                                       |                |
| Denmark                                  | Uzbekistan          |                     |                        |                                       |                |
| East-European                            | Vietnam             |                     |                        |                                       |                |
| England                                  | japan               |                     |                        |                                       |                |
| European                                 |                     |                     |                        |                                       |                |
| Finn/engl/swed/russ                      |                     |                     |                        |                                       |                |
| France                                   |                     |                     |                        |                                       |                |
| Germany                                  |                     |                     |                        |                                       |                |
| Greece                                   |                     |                     |                        |                                       |                |
| Hungary                                  |                     |                     |                        |                                       |                |
| Iceland                                  |                     |                     |                        |                                       |                |
| <i>Irak</i>                              |                     |                     |                        |                                       |                |
| Italian                                  |                     |                     |                        |                                       |                |
| Italy                                    |                     |                     |                        |                                       |                |
| Kosovo                                   |                     |                     |                        |                                       |                |
| Latvia                                   |                     |                     |                        |                                       |                |
| <i>Lebanon</i>                           |                     |                     |                        |                                       |                |
| North American White                     |                     |                     |                        |                                       |                |
| Norway                                   |                     |                     |                        |                                       |                |
| Other White                              |                     |                     |                        |                                       |                |
| <i>Pakistani</i>                         |                     |                     |                        |                                       |                |
| Poland                                   |                     |                     |                        |                                       |                |
| Romania                                  |                     |                     |                        |                                       |                |
| Russia                                   |                     |                     |                        |                                       |                |
| Serbia                                   |                     |                     |                        |                                       |                |
| Slovakia                                 |                     |                     |                        |                                       |                |
| Spain                                    |                     |                     |                        |                                       |                |
| Sweden                                   |                     |                     |                        |                                       |                |
| The Faroes                               |                     |                     |                        |                                       |                |
| <i>Turkey</i>                            |                     |                     |                        |                                       |                |
| Ukraine                                  |                     |                     |                        |                                       |                |
| Unclassified (other)                     |                     |                     |                        |                                       |                |
| White Irish                              |                     |                     |                        |                                       |                |
| Yugoslavia                               |                     |                     |                        |                                       |                |

\*Part of Appendix 4 in Rogozińska E, Marlin N, Jackson L, Rayanagoudar G, Ruifrok AE, Dodds J, et al. Effects of antenatal diet and physical activity on maternal and fetal outcomes: individual patient data meta-analysis and health economic evaluation. *Health Technol Assess* 2017;21