

## กลุ่ม 2 : MDC 14

การประชุมรับฟังความเห็นแนวทางการพัฒนา TDRG  
วันที่ 13 กุมภาพันธ์ พ.ศ. 2556

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เลขานุการ

พญ.สมใจ อุดมพงศ์ลักขณา

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### สมาชิก

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ป่วยเป็นโรคเดียวกันแท้ๆ  
ทำไมผู้ป่วยที่ตั้งครรภ์ด้วย  
จึงได้ RW น้อยกว่าผู้ป่วยที่ไม่ตั้งครรภ์

จริงๆ เหนอ  
การดูแลผู้ป่วยที่ตั้งครรภ์  
น่าจะมีค่าใช้จ่ายสูงกว่านะ



# Acute pyelonephritis

## N10 vs O23.0 + N10

|       | Non-pregnant  | Pregnant  |
|-------|---|---|
| Pdx   | N10   | O23.0   |
| Sdx   | -   | N10   |
| Proc  | -   | -   |
| DRG   | 11540<br>Kidney and urinary tract<br>infection, no CC | 14520<br>Antenatal condition wo severe<br>compli Dx |
| RW    | 0.4010  | 0.2797  |
| WTLOS | 3.07  | 2.05  |
| OT    | 7   | 5   |

# Diabetes mellitus

## E14.9 vs O24.4

|       | Non-pregnant  | Pregnant   |
|-------|---|--|
| Pdx   | E14.9   | O24.4  |
| Sdx   | -   | -  |
| Proc  | -   | -  |
| DRG   | 10560<br>Diabetes without complicated<br>PDx, no CC | 14521<br>Antenatal condition w severe<br>compli Dx |
| RW    | 0.4096  | 0.3520   |
| WTLOS | 2.82  | 2.37   |
| OT    | 8   | 7  |

# INFECTIONS COMPLICATING PREGNANCY

## **O98** Maternal infectious and parasitic diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium

**Includes:** the listed conditions when complicating the pregnant state, when aggravated by the pregnancy, or as a reason for obstetric care

Use additional code (Chapter I), if desired, to identify specific condition.

**Excludes:** asymptomatic human immunodeficiency virus [HIV] infection status (Z21)  
laboratory evidence of human immunodeficiency virus [HIV] (R75)  
obstetrical tetanus (A34)  
puerperal:  
• infection (O86.-)  
• sepsis (O85)  
when the reason for maternal care is that the disease is known or suspected to have affected the fetus (O35-O36)

### **O98.0** Tuberculosis complicating pregnancy, childbirth and the puerperium

Conditions in A15-A19

### **O98.1** Syphilis complicating pregnancy, childbirth and the puerperium

Conditions in A50-A53

### **O98.2** Gonorrhoea complicating pregnancy, childbirth and the puerperium

Conditions in A54.-

### **O98.3** Other infections with a predominantly sexual mode of transmission complicating pregnancy, childbirth and the puerperium

Conditions in A55-A64

### **O98.4** Viral hepatitis complicating pregnancy, childbirth and the puerperium

Conditions in B15-B19

### **O98.5** Other viral diseases complicating pregnancy, childbirth and the puerperium

Conditions in A80-B09, B25-B34

### **O98.6** Protozoal diseases complicating pregnancy, childbirth and the puerperium

Conditions in B50-B84

### **O98.7** Human immunodeficiency virus [HIV] diseases complicating pregnancy, childbirth and the puerperium

Conditions in B20-B24

### **O98.8** Other maternal infectious and parasitic diseases complicating pregnancy, childbirth and the puerperium

### **O98.9** Unspecified maternal infectious and parasitic diseases complicating pregnancy, childbirth and the puerperium

# DISEASES COMPLICATING PREGNANCY

## **O99** Other maternal diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium

**Note:** This category includes conditions which complicate the pregnant state, are aggravated by the pregnancy or are a main reason for obstetric care and for which the Alphabetical Index does not indicate a specific rubric in Chapter XV.

Use additional code, if desired, to identify specific condition.

- O99.0** Anaemia complicating pregnancy, childbirth and the puerperium  
Conditions in D50-D64
- O99.1** Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism complicating pregnancy, childbirth and the puerperium  
Conditions in D65-D89  
**Excludes:** haemorrhage with coagulation defect (O46.0, O67.0, O72.3)
- O99.2** Endocrine, nutritional and metabolic diseases complicating pregnancy, childbirth and the puerperium  
Conditions in E00-E90  
**Excludes:** diabetes mellitus (O24.-)  
malnutrition (O25)  
postpartum thyroiditis (O90.5)
- O99.3** Mental disorders and diseases of the nervous system complicating pregnancy, childbirth and the puerperium  
Conditions in F00-F99 and G00-G99  
**Excludes:** postnatal depression (F53.0)  
pregnancy-related peripheral neuritis (O26.8)  
puerperal psychosis (F53.1)

- O99.4** Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium  
Conditions in I00-I99  
**Excludes:** cardiomyopathy in the puerperium (O90.3)  
hypertensive disorders (O10-O16)  
obstetric embolism (O88.-)  
venous complications and cerebrovenous sinus thrombosis in:  
• labour, childbirth and the puerperium (O87.-)  
• pregnancy (O22.-)
- O99.5** Diseases of the respiratory system complicating pregnancy, childbirth and the puerperium  
Conditions in J00-J99
- O99.6** Diseases of the digestive system complicating pregnancy, childbirth and the puerperium  
Conditions in K00-K93  
**Excludes:** liver disorders in pregnancy, childbirth and the puerperium (O26.6)
- O99.7** Diseases of the skin and subcutaneous tissue complicating pregnancy, childbirth and the puerperium  
Conditions in L00-L99  
**Excludes:** herpes gestationis (O26.4)
- O99.8** Other specified diseases and conditions complicating pregnancy, childbirth and the puerperium  
Combination of conditions classifiable to O99.0-O99.7  
Conditions in C00-D48, H00-H95, M00-M99, N00-N99, and Q00-Q99  
**Excludes:** genitourinary infections in pregnancy (O23.-)  
infection of genitourinary tract following delivery (O86.0-O86.3)  
maternal care for known or suspected abnormality of maternal pelvic organs (O34.-)  
postpartum acute renal failure (O90.4)  
postpartum nephritis (O90.8)

# Pulmonary tuberculosis

## A16.2 vs O98.0 + A16.2

|              | Non-pregnant   | Pregnant   |
|--------------|--|--|
| <b>Pdx</b>   | <b>A16.2</b>   | <b>O98.0</b>   |
| <b>Sdx</b>   | -  | <b>A16.2</b>   |
| <b>Proc</b>  | -  | -  |
| <b>DRG</b>   | <b>04520</b><br>Respiratory<br>infection/inflammation, no CC | <b>14520</b><br>Antenatal condition wo severe<br>compli Dx |
| <b>RW</b>    | <b>0.5449</b>  | <b>0.2797</b>  |
| <b>WTLOS</b> | <b>3.81</b>  | <b>2.05</b>  |
| <b>OT</b>    | <b>11</b>  | <b>5</b>   |



# Syphilis

**A53.9 vs O98.1 + A53.9**

|              | <b>Non-pregnant</b>   | <b>Pregnant</b>   |
|--------------|---|---|
| <b>Pdx</b>   | <b>A53.9</b>  | <b>O98.1</b>  |
| <b>Sdx</b>   | <b>-</b>  | <b>A53.9</b>  |
| <b>Proc</b>  | <b>-</b>  | <b>-</b>  |
| <b>DRG</b>   | <b>18640</b><br>Other infectious and parasitic diseases, adult, no CC | <b>14520</b><br>Antenatal condition wo severe compli Dx |
| <b>RW</b>    | <b>0.4307</b>   | <b>0.2797</b>   |
| <b>WTLOS</b> | <b>3.25</b>   | <b>2.05</b>   |
| <b>OT</b>    | <b>8</b>  | <b>5</b>  |

# Gonococcal Bartholin's abscess

## A54.1 vs O98.2 + A54.1

|       | Non-pregnant   | Pregnant   |
|-------|--|--|
| Pdx   | A53.9  | O98.1  |
| Sdx   | -  | A53.9  |
| Proc  | -  | -  |
| DRG   | 13530<br>Female lower genitourinary tract infection, no CC | 14520<br>Antenatal condition wo severe compli Dx |
| RW    | 0.3646   | 0.2797   |
| WTLOS | 2.62   | 2.05   |
| OT    | 7  | 5  |

# Genital herpes simplex

**A60.0 + N77.0 vs O98.3 + A60.0 + N77.0**

|       | Non-pregnant   | Pregnant  |
|-------|--|---|
| Pdx   | A60.0  | O98.3   |
| Sdx   | N77.0  | A60.0, N77.0  |
| Proc  | -  | -   |
| DRG   | 13550<br>Menstrual & other female<br>reproductive system disorders,<br>no CC | 14520<br>Antenatal condition wo severe<br>compli Dx |
| RW    | 0.3646   | 0.2797  |
| WTLOS | 2.62   | 2.05  |
| OT    | 7  | 5   |

# Acute viral hepatitis B

## B16.9 vs O98.4 + B16.9

|       | Non-pregnant  | Pregnant   |
|-------|---|--|
| Pdx   | B16.9   | O98.4  |
| Sdx   | -   | B16.9  |
| Proc  | -   | -  |
| DRG   | <b>07540</b><br>Dis of liver, except malignancy,<br>cirrhosis, alc hepatitis, no CC | <b>14520</b><br>Antenatal condition wo severe<br>compli Dx |
| RW    | 0.6876  | 0.2797   |
| WTLOS | 3.47  | 2.05   |
| OT    | 12  | 5  |

# Rubella

**B06.9 vs O98.5 + B06.9**

|              | <b>Non-pregnant</b>  | <b>Pregnant</b>   |
|--------------|--|---|
| <b>Pdx</b>   | <b>B06.9</b>   | <b>O98.5</b>  |
| <b>Sdx</b>   | <b>-</b>   | <b>B06.9</b>  |
| <b>Proc</b>  | <b>-</b>   | <b>-</b>  |
| <b>DRG</b>   | <b>18600</b><br>Viral illness except dengue,<br>adult, no CC | <b>14520</b><br>Antenatal condition wo severe<br>compl Dx |
| <b>RW</b>    | <b>0.2749</b>  | <b>0.2797</b>   |
| <b>WTLOS</b> | <b>2.38</b>  | <b>2.05</b>   |
| <b>OT</b>    | <b>5</b>   | <b>5</b>  |

# Cerebral malaria

**B50.0 vs O98.6 + B50.0**

|              | <b>Non-pregnant</b>                   | <b>Pregnant</b>   |
|--------------|---------------------------------------|---|
| <b>Pdx</b>   | <b>B50.0</b>                          | <b>O98.6</b>  |
| <b>Sdx</b>   | <b>-</b>                              | <b>B50.0</b>  |
| <b>Proc</b>  | <b>-</b>                              | <b>-</b>  |
| <b>DRG</b>   | <b>18540</b><br>Malaria, adult, no CC | <b>14520</b><br>Antenatal condition wo severe compli Dx |
| <b>RW</b>    | <b>0.3556</b>                         | <b>0.2797</b>   |
| <b>WTLOS</b> | <b>2.86</b>                           | <b>2.05</b>   |
| <b>OT</b>    | <b>6</b>                              | <b>5</b>  |

# HIV disease

## B24 vs O98.7 + B24

|       | Non-pregnant                                   | Pregnant                                       |
|-------|--|--|
| Pdx   | B24  | O98.7  |
| Sdx   | -  | B24  |
| Proc  | -  | -  |
| DRG   | 25530<br>Other HIV-related condition,<br>no CC | 25530<br>Other HIV-related condition, no<br>CC |
| RW    | 0.5690   | 0.5690   |
| WTLOS | 3.42   | 3.42   |
| OT    | 11   | 11   |

# Infectious diarrhea

## A09.0 vs O98.8 + A09.0

|              | Non-pregnant                                  | Pregnant  |
|--------------|---|---|
| <b>Pdx</b>   | A09.0   | O98.8   |
| <b>Sdx</b>   | -   | A09.0   |
| <b>Proc</b>  | -   | -   |
| <b>DRG</b>   | <b>06570</b><br>Gastroenteritis age >9, no CC | <b>14520</b><br>Antenatal condition wo severe compli Dx |
| <b>RW</b>    | 0.2238  | 0.2797  |
| <b>WTLOS</b> | 1.80  | 2.05  |
| <b>OT</b>    | 4   | 5   |



# Iron deficiency anemia for blood Tx

## D50.9 vs O99.0 + D50.9

|       | Non-pregnant  | Pregnant   |
|-------|---|--|
| Pdx   | D50.9   | O99.0  |
| Sdx   | -   | D50.9  |
| Proc  | 99.04   | 99.04  |
| DRG   | 16530<br>Red blood cell disorders w<br>blood transfusion, no CC | 14521<br>Antenatal condition w severe<br>compli Dx |
| RW    | 0.3621  | 0.3620   |
| WTLOS | 1.36  | 2.37   |
| OT    | 4   | 7  |

# Idiopathic thrombocytopenic purpura

## D69.3 vs O99.1 + D69.3

|       | Non-pregnant                         | Pregnant  |
|-------|--------------------------------------|---|
| Pdx   | D69.3                                | O99.1   |
| Sdx   | -                                    | D69.3   |
| Proc  | -                                    | -   |
| DRG   | 16510<br>Coagulation disorder, no CC | 14521<br>Antenatal condition w severe compli Dx |
| RW    | 0.6965                               | 0.3620  |
| WTLOS | 2.86                                 | 2.37  |
| OT    | 8                                    | 7   |

# Atrial fibrillation and flutter

**I48 vs O99.4 + I48**

|              | <b>Non-pregnant</b>   | <b>Pregnant</b>   |
|--------------|---|---|
| <b>Pdx</b>   | <b>I48</b>  | <b>O99.4</b>  |
| <b>Sdx</b>   | <b>-</b>  | <b>I48</b>  |
| <b>Proc</b>  | <b>-</b>  | <b>-</b>  |
| <b>DRG</b>   | <b>05640</b><br>Non-major arrhythmia and<br>conduction dis, no CC | <b>14521</b><br>Antenatal condition w severe<br>compli Dx |
| <b>RW</b>    | <b>0.4013</b>   | <b>0.3620</b>   |
| <b>WTLOS</b> | <b>1.74</b>   | <b>2.37</b>   |
| <b>OT</b>    | <b>4</b>  | <b>7</b>  |

# Pneumonia

**J18.9 vs O99.5 + J18.9**

|              | <b>Non-pregnant</b>  | <b>Pregnant</b>   |
|--------------|--|---|
| <b>Pdx</b>   | <b>J18.9</b>   | <b>O99.5</b>  |
| <b>Sdx</b>   | <b>-</b>   | <b>J18.9</b>  |
| <b>Proc</b>  | <b>-</b>   | <b>-</b>  |
| <b>DRG</b>   | <b>04520</b><br>Respiratory<br>infection/inflammation, no CC | <b>14521</b><br>Antenatal condition w severe<br>compli Dx |
| <b>RW</b>    | <b>0.5449</b>  | <b>0.3620</b>   |
| <b>WTLOS</b> | <b>3.81</b>  | <b>2.37</b>   |
| <b>OT</b>    | <b>11</b>  | <b>7</b>  |

# Acute appendicitis with appendectomy

## K35.8 vs O99.6 + K35.8

|       | Non-pregnant                 | Pregnant  |
|-------|------------------------------|---|
| Pdx   | K35.8                        | O99.6   |
| Sdx   | -                            | K35.8   |
| Proc  | 47.09                        | 47.09   |
| DRG   | 06070<br>Appendectomy, no CC | 14521<br>Antenatal condition w severe compli Dx |
| RW    | 1.1468                       | 0.3620  |
| WTLOS | 2.95                         | 2.37  |
| OT    | 5                            | 7   |

# Calculus of kidney

## N20.0 vs O99.8 + N20.0

|       | Non-pregnant                  | Pregnant  |
|-------|-------------------------------|---|
| Pdx   | N20.0                         | O99.8   |
| Sdx   | -                             | N20.0   |
| Proc  | -                             | -   |
| DRG   | 11550<br>Urinary stone, no CC | 14521<br>Antenatal condition w severe compli Dx |
| RW    | 0.4390                        | 0.3620  |
| WTLOS | 2.21                          | 2.37  |
| OT    | 7                             | 7   |

# ข้อเสนอแนะ

- ❑ ให้มีการปรับกลุ่ม **Complicated in Pregnancy (O23 O98 O99)** ให้เป็น **DRG** เดียวกันกับ **Non Pregnancy**
- ❑ ขอให้ **Review** กรณี **Pregnancy** ที่มีการให้ **SDX** ให้มีผลต่อการเพิ่มค่า **RW** ด้วย