

Table 1: The score of the quality of clinical practice guidelines for developing quality indicators

| Guideline | Criteria* | | | | |
|------------------------------|--|---|-------------------------------|--|--------------------------------------|
| | The overall quality of the guideline development | The overall quality of the guideline presentation | The completeness of reporting | The overall quality of the guideline recommendations | The overall quality of the guideline |
| Hypertension | 5 | 5 | 1 | 7 | 5 |
| Diabetes | 6 | 6 | 1 | 7 | 6 |
| Cardiovascular diseases | 4 | 4 | 1 | 6 | 5 |
| Rationale use of antibiotics | 5 | 6 | 1 | 7 | 5 |
| Asthma | 6 | 6 | 1 | 7 | 6 |
| COPD** | 6 | 6 | 1 | 7 | 6 |

* The response is on a 7-point scale ranging from lowest quality (1) to highest quality (7)

** COPD is abbreviated from Chronic Obstructive Pulmonary Disease

Table 2: Developed indicators for the QOF program

| Indicator code | Indicator statement |
|-----------------------|---|
| HT1(PCU) | Percentage of individuals aged 35 and above who received a screening for hypertension in the last 3 years |
| HT2 (PCU) | Percentage of individuals with blood pressure 140/90 mmHg and above who were referred to a physician within 1 month |
| HT3 (PCU) | Percentage of hypertensive patients who could control their blood pressure |
| DM1 (PCU) | Percentage of individuals aged 35 and above who received a screening for DM using random or fasting capillary blood glucose in the last 3 years |
| DM2 (PCU) | Percentage of individuals with capillary blood glucose of 126 mg/dl and above who received fasting venous plasma glucose test within 1 month |
| DM3 (PCU) | Percentage of DM patients who could control their blood glucose |
| CVD1 (PCU) | Percentage of individuals aged 35-70 who receive CVD risk assessment using the Thai CV risk score |
| MCH1 (PCU) | Percentage of pregnant women who received antenatal care (ANC) for the first time before 12 weeks |
| MCH2 (PCU) | Percentage of pregnant women with hypertension who were referred to a physician |
| MCH3 (CUP) | Percentage of pregnant women with anemia in the 1st trimester whose Hct are in normal range in the 3rd trimester |
| MCH4 (CUP) | Percentage of postpartum women with anemia during pregnancy whose Hct are in normal range at 3 months after delivery |

| Indicator code | Indicator statement |
|----------------|--|
| MCH5 (PCU) | Percentages of full-term infants aged between 0-1 years whose weight for age or weight for height or height for age falls below the 5 th percentile or 95 th percentile and above who are referred to doctors. |
| BR1 (PCU) | PCUs can produce a register of bedridden patients |
| BR2 (PCU) | Percentage of bedridden patients who were visited by a family care team |
| RUA1 (PCU) | Percentage of antibiotics prescription for patients diagnosed with upper respiratory tract infections (URI) |
| RUA2 (PCU) | Percentage of antibiotic prescription for patients diagnosed with acute gastroenteritis (AGE) |
| ASTHMA1 (PCU) | PCUs can produce a register of patients with asthma |
| ASTHMA2 (PCU) | Percentage of asthma patients who received health education and counseling |
| ASTHMA3 (PCU) | Percentage of asthma patients who were examined with a peak expiratory flow meter |
| ASTHMA4 (PCU) | Percentage of asthma patients who are assessed by an Asthma Control Test |
| ASTHMA5 (PCU) | Percentage of asthma patients who could not control asthmatic symptoms and were referred to a physician |
| ASTHMA6 (PCU) | Percentage of asthma patients with asthmatic exacerbation that were admitted to the emergency department |
| COPD1 (PCU) | PCUs can produce a register of patients with COPD |
| COPD2 (PCU) | Percentage of COPD patients who are currently smoking receiving advice on smoking cessation |

Table 3: Availability and acceptability of quality indicators

| Availability* Acceptability | 1. Necessary information is available | 2. Necessary information might be available | 3. Necessary information is not collected |
|--------------------------------|--|---|---|
| 1. ≥ 70% | HT1, HT2, HT3, DM1, DM3, MCH2, MCH5 | DM2, MCH3, Asthma1, COPD1, COPD2 | BR1, BR2, Asthma3, Asthma4, Asthma5, CVD1 |
| 2. 60-69% | MCH1, RUA1, RUA2 | | |
| 3. 50-59% | | Asthma2, Asthma6 | |
| 4. <50% | | MCH4 | |

* 1) Necessary information is available in the National Database and extraction rules could be applied; 2) necessary information might be available in the National Database but staff did not enter the necessary data; and 3) necessary information is not collected in the National Database.

Table 4: Selected indicators for the future QOF program

| Indicator code | Indicator statement |
|-----------------------|---|
| HT1(PCU) | Percentage of individuals aged 35 and above who received a screening for hypertension in the last 3 years |
| HT2 (PCU) | Percentage of individuals with blood pressure 140/90 mmHg and above who were referred to a physician within 1 month |
| HT3 (PCU) | Percentage of hypertensive patients who could control their blood pressure |
| DM1 (PCU) | Percentage of individuals aged 35 and above who received a screening for DM using random or fasting capillary blood glucose in the last 3 years |
| DM2 (PCU) | Percentage of individuals with capillary blood glucose of 126 mg/dl and above who received fasting venous plasma glucose test within 1 month |
| DM3 (PCU) | Percentage of DM patients who could control their blood glucose |
| MCH2 (PCU) | Percentage of pregnant women with hypertension who were referred to a physician |
| MCH5 (PCU) | Percentages of full-term infants aged between 0-1 years whose weight for age or weight for height or height for age falls below the 5 th percentile or 95 th percentile and above who are referred to doctors within 12 months. |

| Indicator code | Indicator statement |
|----------------|---|
| RUA1 (PCU) | Percentage of antibiotics prescription for patients diagnosed with upper respiratory tract infections (URI) |
| RUA2 (PCU) | Percentage of antibiotic prescription for patients diagnosed with acute gastroenteritis (AGE) |
| ASTHMA1 (PCU) | PCUs can produce a register of patients with asthma |
| ASTHMA2 (PCU) | Percentage of asthma patients who received health education and counseling |
