

**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**

<b>Indicator code</b>	<b>Indicator statement</b>
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 <sup>th</sup> percentile or 95 <sup>th</sup> 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**

<b>Indicator code</b>	<b>Indicator statement</b>
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 <sup>th</sup> percentile or 95 <sup>th</sup> percentile and above who are referred to doctors within 12 months.

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<b>Indicator code</b>	<b>Indicator statement</b>
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

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