

Indexes

UPC Usual Provider Continuity Index

$$\text{UPC} = \frac{\text{n of visits to predominant provider}}{\text{total number of visits}}$$

UPC_{cat} Categorical UPC Index

$$\text{UPC}_{\text{cat}} = \begin{cases} \text{“low” continuity} & \text{if } \text{UPC} \leq 0.50 \\ \text{“high” continuity} & \text{if } \text{UPC} > 0.50 \end{cases}$$

UPC₁₂ Usual Provider Continuity—12 Index

$$\text{UPC}_{12} = \frac{\text{n of 12 most recent visits to predominant provider}}{12 \text{ visits}}$$

COC Continuity of Care Index

$$\text{COC} = \frac{\sum_{j=1}^S n_j^2 - N}{N(N-1)}$$

Where N = total number of visits; n = number of visits to provider j; s= number of providers

MCI Modified Continuity Index

$$\text{MCI} = 1 - \frac{\text{N of providers}}{\text{n of all visits} + 0.1}$$

MMCI Modified Modified Continuity Index

$$\text{MMCI} = \frac{1 - (\text{n of providers} / [\text{n of visits} + 0.1])}{1 - (1 / [\text{n of visits} + 0.1])}$$