

# Decomposition of amputation rates change

## 1 Decomposition of amputation rates:

1. Population
  - age,
  - gender,
  - race
2. Diabetes,
3. CKD,
4. Smoking
5. Other clinical factors
  - Cancer
  - Cerebrovascular disease
  - Cardiovascular disease
  - Dementia
  - Hyperlipidemia
  - Hypertension
  - Chronic lung disease
  - Peripheral artery disease

Table 1: Amputation rate difference

Year	VHA users	Amputation	Incidence rate per 10,000 person year	Rate difference $\Delta$
2008	3,952,321	3,031	7.669	1.327
2018	4,034,173	3,629	8.996	

Table 2: Decomposition analysis of amputation rate difference among US veterans in 2008 and 2018

Factors	Rate contribution	Percent contribution
Population	0.422	31.79%
Diabetes	0.101	7.59%
CKD	0.423	31.88%
Smoking	0.047	3.56%
Other clinical factors	0.334	25.18%
Total	1.327	100%