

Supplementary Material

**TITLE:** Risks of acute cholecystitis, acute pancreatitis, and acute appendicitis in patients with dengue fever: a population-based cohort study in Taiwan

**AUTHOR LIST:** Hsin-I Shih <sup>1,2,3</sup>, Chia-Yu Chi<sup>4,5</sup>, Yu-Ping Wang<sup>3,4</sup>, Yu-Wen Chien<sup>3,6</sup>

**AUTHOR AFFILIATIONS:**

<sup>1</sup>Department of Emergency Medicine, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan

<sup>2</sup>School of Medicine, College of Medicine, National Cheng Kung University, Tainan, Taiwan

<sup>3</sup>Department of Public Health, College of Medicine, National Cheng Kung University, Tainan, Taiwan

<sup>4</sup>National Mosquito-Borne Diseases Control Research Center, National Health Research Institutes, Miaoli County, Taiwan

<sup>5</sup>Department of Microbiology & Immunology, College of Medicine, National Cheng Kung University, Tainan, Taiwan

<sup>6</sup>Department of Occupational and Environmental Medicine, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan

**#Address for Correspondence:** Yu-Wen Chien

Department of Public Health, College of Medicine, National Cheng Kung University, Tainan, Taiwan

E-mail: yuwenchien@mail.ncku.edu.tw

**Supplementary Table 1.** List of ICD-9-CM and ICD-10-CM codes for identifying diseases in this study

	ICD-9-CM (until 2015)	ICD-10-CM (since 2016)
<b>Comorbidity</b>		
Alcohol-related disease	291, 303, 305.0, 790.3, V11.3	not applicable
COPD	490, 491, 492, 493, 494, 495, 496	not applicable
Diabetes mellitus	250	not applicable
Dyslipidemia	272	not applicable
Hypertension	401, 402, 403, 404, 405	not applicable
<b>Outcome</b>		
Acute cholecystitis	574.0, 574.1, 574.3, 574.4, 574.6, 574.7, 574.8, 575.0, 575.10, 575.12	K80.0, K80.1, K80.4, K80.6, K81.0, K81.2, K81.9
Acute pancreatitis	577.0	K85
Acute Appendicitis	540, 541, 542	K35