

## CLASSIFICATION OF DIAGNOSIS

### A. Cardiovascular system

1. Congestive heart failure ( systolic, diastolic)
2. myocardial infarction ( ST elevation and non- ST elevation)
3. Chest pain/ angina ( stable, unstable)
4. Valvular abnormalities
  - Aortic valve stenosis
  - Aortic valve regurgitation ( insufficiency)
  - Mitral valve stenosis
  - Mitral valve regurgitation ( insufficiency)
  - Tricuspid valve regurgitation ( insufficiency)
  - Pulmonary valve abnormalities
5. Hypertension
  - Urgency/emergency
6. Volume fluid overload
7. Hypotension
8. Ventricular tachycardia
9. Bradycardia
10. Atrial fibrillation/flutter
11. Supraventricular tachycardia
12. Syncope
13. Pericarditis

14. Peripheral vascular disease
15. AAA ( aortic abdominal aneurism)
16. Cardio-pulmonary arrest

## B. Respiratory system

1. Acute respiratory failure ( hypoxic or hypercapnic)
2. COPD / COPD exacerbation
3. Pleural effusion
4. Pneumothorax
5. Hypoxemia
6. Pulmonary embolism
7. Empyema

## C. Infections

1. Soft tissue infections ( cellulitis)
2. Joint infections
3. Bone infection
4. Pneumonia
5. Bronchitis
6. Enteritis/colitis
7. Perirectal abscess
8. Urinary tract infection
9. SIRS/Sepsis

10. Fever
11. Abscess
12. Pharyngitis
13. Cholecystitis
14. Bacteremia

#### D. Central nervous system

1. Encephalopathy
2. Stroke
3. Vertigo
4. Weakness
5. Headache
6. Transitional ischemic attack
7. Intracranial hemorrhages
8. Seizures

#### E. Genitourinary tract

1. Acute kidney Injury ( AKI)
2. Acute worsening of chronic kidney function
3. Hypokalemia
4. Hyperkalemia
5. Hyponatremia
6. Hypernatremia

7. Hypocalcaemia
8. Hypercalcemia
9. Nephrolithiasis/obstruction
10. Nephrotic syndrome
11. Volume depletion
12. Urinary retention

#### F. Gastrointestinal tract

1. Gastrointestinal tract bleeding
2. Gastritis/Duodenitis
3. GERD
4. Cirrhosis
5. Diverticulitis
6. Peptic ulcer disease
7. Small bowel obstruction
8. Esophagitis
9. Ischemic colitis
10. Nausea/Vomiting
11. Pancreatitis
12. Biliary colic/biliary stone/biliary duct stone
13. Abdominal pain
14. Anal abnormalities
15. Diarrhea

## G. Hematology –oncology system

1. Anemia
2. Deep venous thrombosis
3. Malignancy
4. Non-gastrointestinal bleeding
5. Hematological malignancies

## H. Musculoskeletal

1. Hemarthrosis
2. Arthritis
3. Joint pain/postoperative pain
4. Edema of lower extremities
5. Strain/sprain
6. Gout
7. Limb wound
8. Back pain

## I. Miscellaneous

1. Non-cardiac chest pain
2. Skin abrasion/toe nail avulsion
3. Anxiety
4. Eye pathology

## J. Diabetes and metabolism

1. Hyperglycemia
2. Hypoglycemia
3. Diabetic ketoacidosis
4. Diabetes mellitus

## K. Death

## L. Dialysis

1. Initiation of renal replacement therapy
2. AV fistula placement / surgery
3. AV graft

**Table 2. Number of Hospitalizations and Elixhauser comorbidity measures for CKD/MIT participants**

		Mean	Standard Deviation
<b>Number of Hospitalizations</b>		2.03	1.56
<b>Count of comorbidities</b>		4.65	2.48
<b>Comorbidities</b>	<b>n/N</b>	<b>%</b>	<b>Standard Deviation</b>
<b>Congestive heart failure</b>	43/155	28%	0.45
<b>Valvular disease</b>	26/155	17%	0.38
<b>Pulmonary circulation</b>	21/155	14%	0.34
<b>Peripheral vascular disorders</b>	23/155	15%	0.36
<b>Hypertension, uncomplicated</b>	22/155	14%	0.35
<b>Hypertension, complicated</b>	99/155	64%	0.48
<b>Paralysis</b>	5/155	3%	0.18
<b>Neurodegenerative disorder</b>	9/155	6%	0.24
<b>Chronic pulmonary disease</b>	44/155	28%	0.45
<b>Diabetes, uncomplicated</b>	35/155	23%	0.42
<b>Diabetes, complicated</b>	42/155	27%	0.45
<b>Hypothyroidism</b>	32/155	21%	0.41

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<b>Comorbidities</b>	<b>n/N</b>	<b>%</b>	<b>Standard Deviation</b>
<b>Renal failure</b>	115/155	74%	0.44
<b>Liver disease</b>	10/155	6%	0.25
<b>Peptic ulcer disease, no bleeding</b>	0/155	0%	0.00
<b>AIDS/HIV</b>	0/155	0%	0.00
<b>Lymphoma</b>	1/155	1%	0.08
<b>Metastatic cancer</b>	1/155	1%	0.08
<b>Solid tumor without metastasis</b>	3/155	2%	0.14
<b>Rheumatoid arthritis/collagen vascular diseases</b>	4/155	3%	0.16
<b>Coagulopathy</b>	4/155	3%	0.16
<b>Obesity</b>	45/155	29%	0.46
<b>Weight loss</b>	4/155	3%	0.16
<b>Fluid and electrolyte disorders</b>	58/155	37%	0.49
<b>Blood loss anemia</b>	1/155	1%	0.08
<b>Deficiency anemia</b>	46/155	30%	0.46
<b>Alcohol abuse</b>	3/155	2%	0.14



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<b>Drug abuse</b>	2/155	1%	0.11
<b>Psychosis</b>	1/155	1%	0.08
<b>Depression</b>	21/155	14%	0.34