

# Burden of Pneumonia-Associated Hospitalizations

United States, 2001-2014

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**e-Table 1. List of conditions used to indicate immunocompromised status**

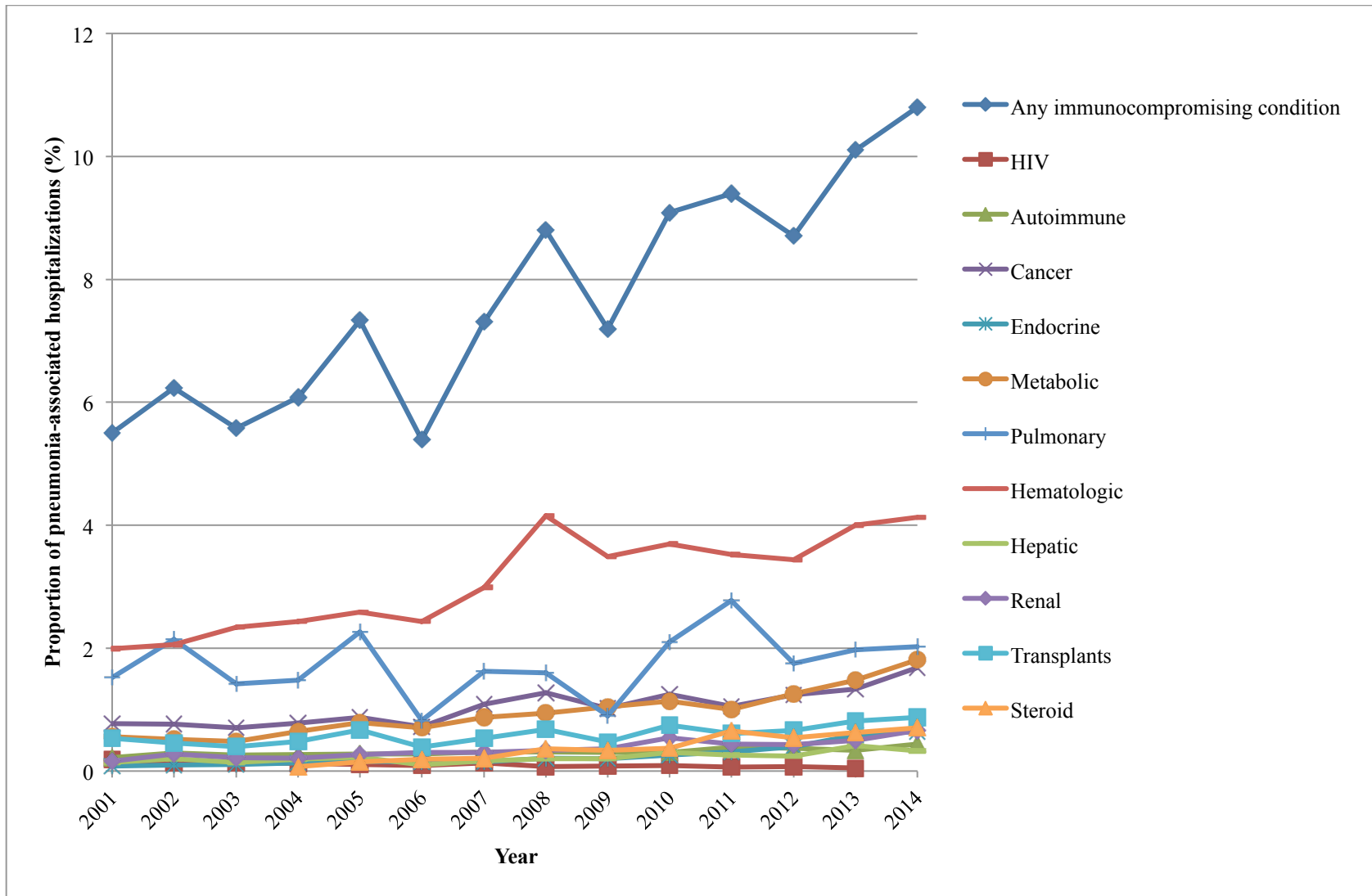
<b>ICD-9-CM Code</b>	<b>Condition</b>	<b>Category</b>
<b>042</b>	Human immunodeficiency virus [HIV] disease	HIV
<b>079.53</b>	Human immunodeficiency virus, type 2 [HIV-2]	HIV
<b>099.3</b>	Reiter's disease	Autoimmune
<b>135</b>	Sarcoidosis	Autoimmune
<b>136.1</b>	Behçet's syndrome	Autoimmune
<b>140</b>	Malignant neoplasm of lip	Cancer
<b>141</b>	Malignant neoplasm of tongue	Cancer
<b>142</b>	Malignant neoplasm of major salivary glands	Cancer
<b>143</b>	Malignant neoplasm of gum	Cancer
<b>144</b>	Malignant neoplasm of floor of mouth	Cancer
<b>145</b>	Malignant neoplasm of other and unspecified parts of mouth	Cancer
<b>146</b>	Malignant neoplasm of oropharynx	Cancer
<b>147</b>	Malignant neoplasm of nasopharynx	Cancer
<b>148</b>	Malignant neoplasm of hypopharynx	Cancer
<b>149</b>	Malignant neoplasm of other and ill-defined sites within the lip, oral cavity, and pharynx	Cancer
<b>150</b>	Malignant neoplasm of esophagus	Cancer
<b>151</b>	Malignant neoplasm of stomach	Cancer
<b>152</b>	Malignant neoplasm of small intestine, including duodenum	Cancer
<b>153</b>	Malignant neoplasm of colon	Cancer
<b>154</b>	Malignant neoplasm of rectum, rectosigmoid junction, and anus	Cancer
<b>155</b>	Malignant neoplasm of liver and intrahepatic bile ducts	Cancer
<b>156</b>	Malignant neoplasm of gallbladder and extrahepatic bile ducts	Cancer
<b>157</b>	Malignant neoplasm of pancreas	Cancer
<b>158</b>	Malignant neoplasm of retroperitoneum and peritoneum	Cancer
<b>159</b>	Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum	Cancer
<b>160</b>	Malignant neoplasm of nasal cavities, middle ear, and accessory sinuses	Cancer
<b>161</b>	Malignant neoplasm of larynx	Cancer
<b>162</b>	Malignant neoplasm of trachea, bronchus, and lung	Cancer
<b>163</b>	Malignant neoplasm of pleura	Cancer
<b>164</b>	Malignant neoplasm of thymus, heart, and mediastinum	Cancer

<b>165</b>	Malignant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs	Cancer
<b>170</b>	Malignant neoplasm of bone and articular cartilage	Cancer
<b>171</b>	Malignant neoplasm of connective and other soft tissue	Cancer
<b>172</b>	Malignant melanoma of skin	Cancer
<b>173</b>	Other and unspecified malignant neoplasm of skin	Cancer
<b>174</b>	Malignant neoplasm of female breast	Cancer
<b>175</b>	Malignant neoplasm of male breast	Cancer
<b>176</b>	Kaposi's sarcoma	Cancer
<b>179</b>	Malignant neoplasm of uterus, part unspecified	Cancer
<b>180</b>	Malignant neoplasm of cervix uteri	Cancer
<b>181</b>	Malignant neoplasm of placenta	Cancer
<b>182</b>	Malignant neoplasm of body of uterus	Cancer
<b>183</b>	Malignant neoplasm of ovary and other uterine adnexa	Cancer
<b>184</b>	Malignant neoplasm of other and unspecified female genital organs	Cancer
<b>185</b>	Malignant neoplasm of prostate	Cancer
<b>186</b>	Malignant neoplasm of testis	Cancer
<b>187</b>	Malignant neoplasm of penis and other male genital organs	Cancer
<b>188</b>	Malignant neoplasm of bladder	Cancer
<b>189</b>	Malignant neoplasm of kidney and other and unspecified urinary organs	Cancer
<b>190</b>	Malignant neoplasm of eye	Cancer
<b>191</b>	Malignant neoplasm of brain	Cancer
<b>192</b>	Malignant neoplasm of other and unspecified parts of nervous system	Cancer
<b>193</b>	Malignant neoplasm of thyroid gland	Cancer
<b>194</b>	Malignant neoplasm of other endocrine glands and related structures	Cancer
<b>195</b>	Malignant neoplasm of other and ill-defined sites	Cancer
<b>196</b>	Secondary and unspecified malignant neoplasm of lymph nodes	Cancer
<b>197</b>	Secondary malignant neoplasm of respiratory and digestive systems	Cancer
<b>198</b>	Secondary malignant neoplasm of other specified sites	Cancer
<b>199</b>	Malignant neoplasm without specification of site	Cancer
<b>200</b>	Lymphosarcoma and reticulosarcoma and other specified malignant tumors of lymphatic tissue	Cancer
<b>201</b>	Hodgkin's disease	Cancer
<b>202</b>	Other malignant neoplasms of lymphoid and histiocytic tissue	Cancer
<b>203</b>	Multiple myeloma and immunoproliferative neoplasms	Cancer

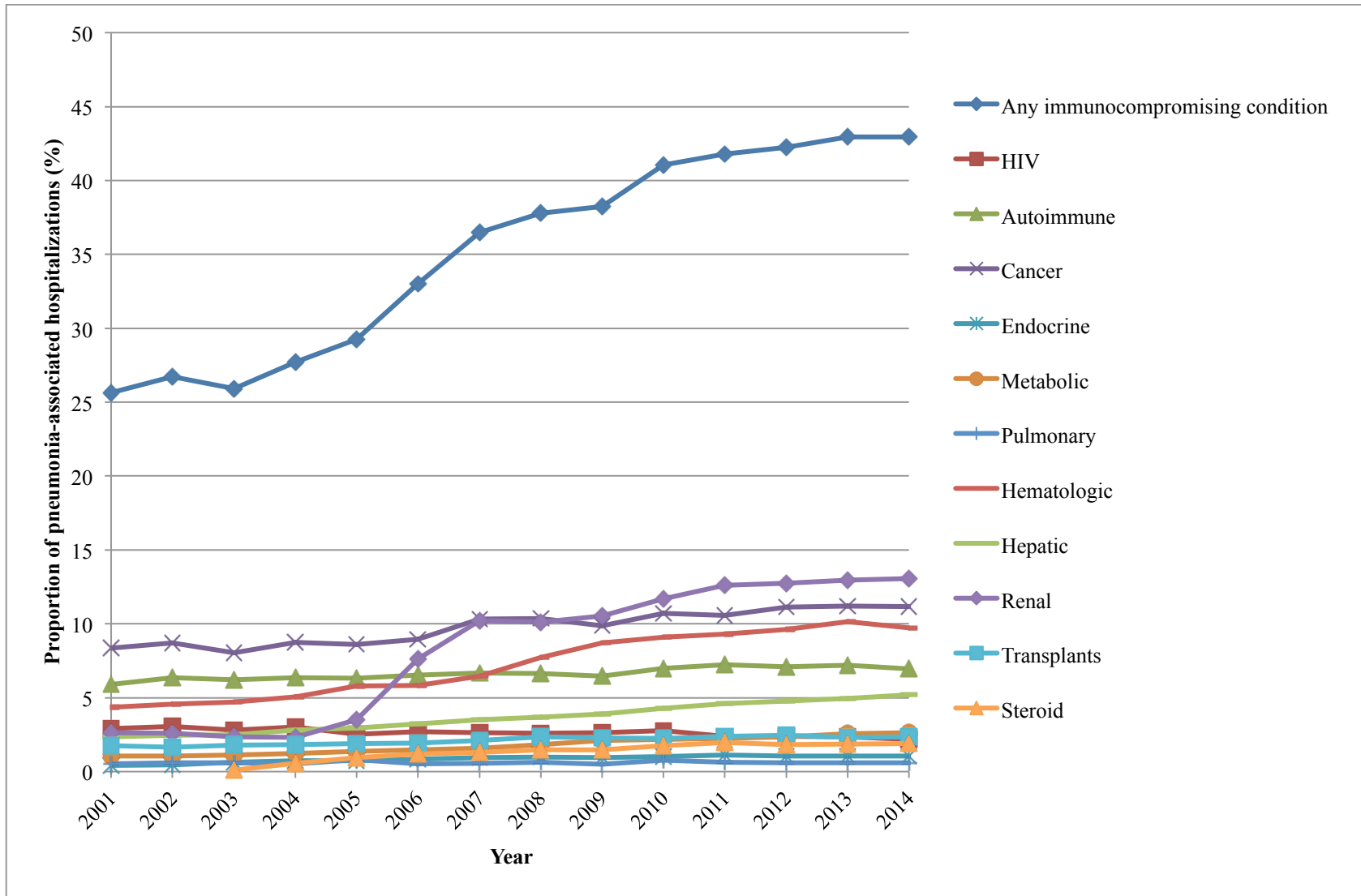
<b>204</b>	Lymphoid leukemia	Cancer
<b>205</b>	Myeloid leukemia	Cancer
<b>206</b>	Monocytic leukemia	Cancer
<b>207</b>	Other specified leukemia	Cancer
<b>208</b>	Leukemia of unspecified cell type	Cancer
<b>209</b>	Neuroendocrine tumors	Cancer
<b>235</b>	Neoplasm of uncertain behavior of digestive and respiratory systems	Cancer
<b>236</b>	Neoplasm of uncertain behavior of genitourinary organs	Cancer
<b>237</b>	Neoplasm of uncertain behavior of endocrine glands and nervous system	Cancer
<b>238</b>	Neoplasm of uncertain behavior of other and unspecified sites and tissues	Cancer
<b>239</b>	Neoplasms of unspecified nature	Cancer
<b>255.0</b>	Cushing's syndrome	Endocrine
<b>255.2</b>	Adrenogenital disorders	Endocrine
<b>255.4</b>	Corticoadrenal insufficiency	Endocrine
<b>273</b>	Disorders of plasma protein metabolism	Metabolic
<b>277.0</b>	Cystic fibrosis	Pulmonary
<b>277.3</b>	Amyloidosis	Metabolic
<b>277.86</b>	Peroxisomal disorders	Metabolic
<b>279</b>	Disorders involving the immune mechanism	Metabolic
<b>284</b>	Aplastic anemia and other bone marrow failure syndromes	Hematologic
<b>288</b>	Diseases of white blood cells	Hematologic
<b>289.4</b>	Hypersplenism	Hematologic
<b>289.5</b>	Other diseases of spleen	Hematologic
<b>289.8</b>	Other specified diseases of blood and blood-forming organs	Hematologic
<b>289.9</b>	Unspecified diseases of blood and blood-forming organs	Hematologic
<b>340</b>	Multiple sclerosis	Autoimmune
<b>359.6</b>	Symptomatic inflammatory myopathy in diseases classified elsewhere	Autoimmune
<b>359.7</b>	Inflammatory and immune myopathies, NEC	Autoimmune
<b>518.3</b>	Pulmonary eosinophilia	Autoimmune
<b>556</b>	Ulcerative colitis	Autoimmune
<b>570</b>	Acute and subacute necrosis of liver	Hepatic
<b>571</b>	Chronic liver disease and cirrhosis	Hepatic
<b>580</b>	Acute glomerulonephritis	Renal
<b>581</b>	Nephrotic syndrome	Renal

<b>583</b>	Nephritis and nephropathy, not specified as acute or chronic	Renal
<b>586</b>	Renal failure, unspecified	Renal
<b>694</b>	Bullous dermatoses	Autoimmune
<b>696</b>	Psoriasis and similar disorders	Autoimmune
<b>701.0</b>	Circumscribed scleroderma	Autoimmune
<b>710</b>	Diffuse diseases of connective tissue	Autoimmune
<b>714</b>	Rheumatoid arthritis and other inflammatory polyarthropathies	Autoimmune
<b>720</b>	Ankylosing spondylitis and other inflammatory spondylopathies	Autoimmune
<b>721</b>	Spondylosis and allied disorders	Autoimmune
<b>725</b>	Polymyalgia rheumatica	Autoimmune
<b>726</b>	Peripheral enthesopathies and allied syndromes	Autoimmune
<b>727</b>	Other disorders of synovium, tendon, and bursa	Autoimmune
<b>728.89</b>	Eosinophilic fasciitis	Autoimmune
<b>733.99</b>	Relapsing polychondritis	Autoimmune
<b>795.71</b>	Nonspecific serologic evidence of human immunodeficiency virus [HIV]	HIV
<b>996.8</b>	Complications of transplanted organ	Transplants
<b>V08</b>	Asymptomatic human immunodeficiency virus [HIV] infection status	HIV
<b>V42.0</b>	Kidney replaced by transplant	Transplants
<b>V42.1</b>	Heart replaced by transplant	Transplants
<b>V42.3</b>	Skin replaced by transplant	Transplants
<b>V42.4</b>	Bone replaced by transplant	Transplants
<b>V42.6</b>	Lung replaced by transplant	Transplants
<b>V42.7</b>	Liver replaced by transplant	Transplants
<b>V42.8</b>	Other specified organ or tissue replaced by transplant	Transplants
<b>V42.9</b>	Unspecified organ or tissue replaced by transplant	Transplants
<b>V58.11</b>	Encounter for antineoplastic chemotherapy	Cancer
<b>V58.12</b>	Encounter for antineoplastic immunotherapy	Cancer
<b>V58.65</b>	Long-term (current) use of steroids	Steroid
<b>99.25</b>	Injection or infusion of cancer chemotherapeutic substance	Cancer
<b>99.28</b>	Injection or infusion of biological response modifier [BRM] as an antineoplastic agent	Cancer

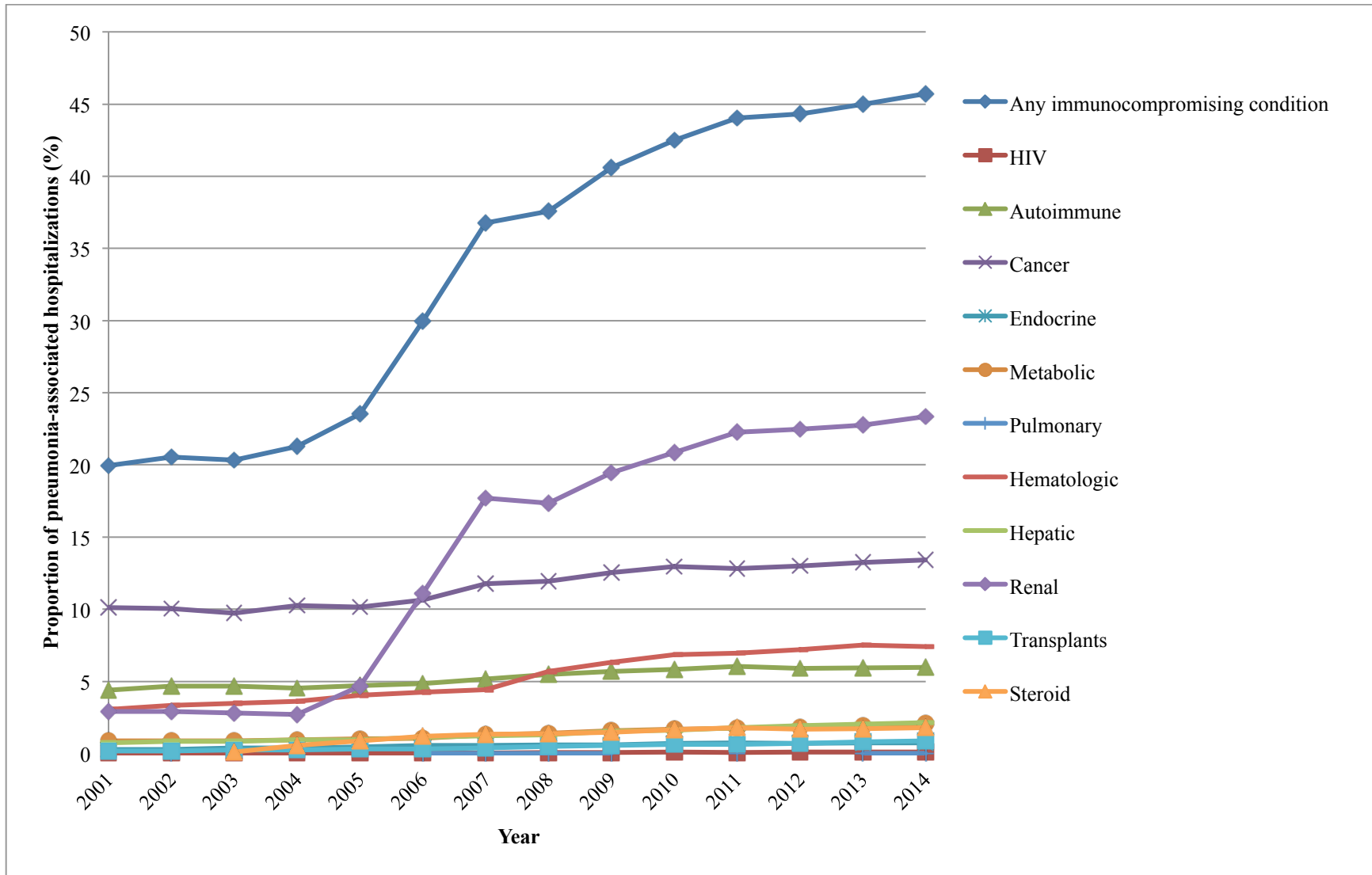
**e-Figure 1. Proportion of pneumonia-associated hospitalizations involving an immunocompromising condition among persons aged ≤19 years – United States, 1998–2014**



**e-Figure 2. Proportion of pneumonia-associated hospitalizations involving an immunocompromising condition among persons aged 20–64 years – United States, 1998–2014**



**e-Figure 3. Proportion of pneumonia-associated hospitalizations involving an immunocompromising condition among persons aged  $\geq 65$  years – United States, 1998–2014**





**e-Figure 4. Proportion of pneumonia-associated hospitalizations co-listing an immunocompromising condition (including ICD-9-CM code 585) — United States, 2001–2014**

