

**Feasibility of modelling to predict
seasonal influenza like illnesses
in Western Australia
Part 1: Exploratory review**

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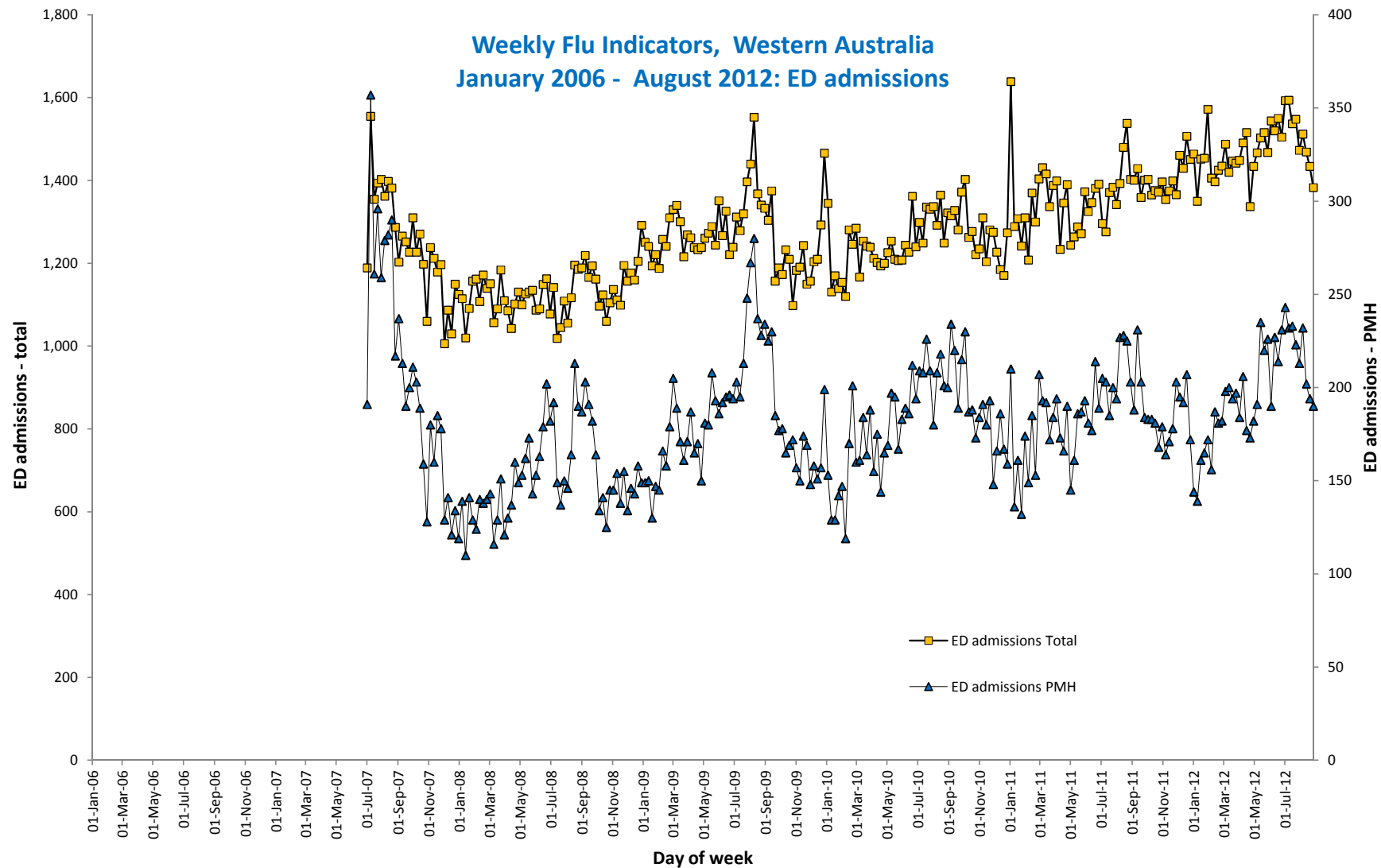
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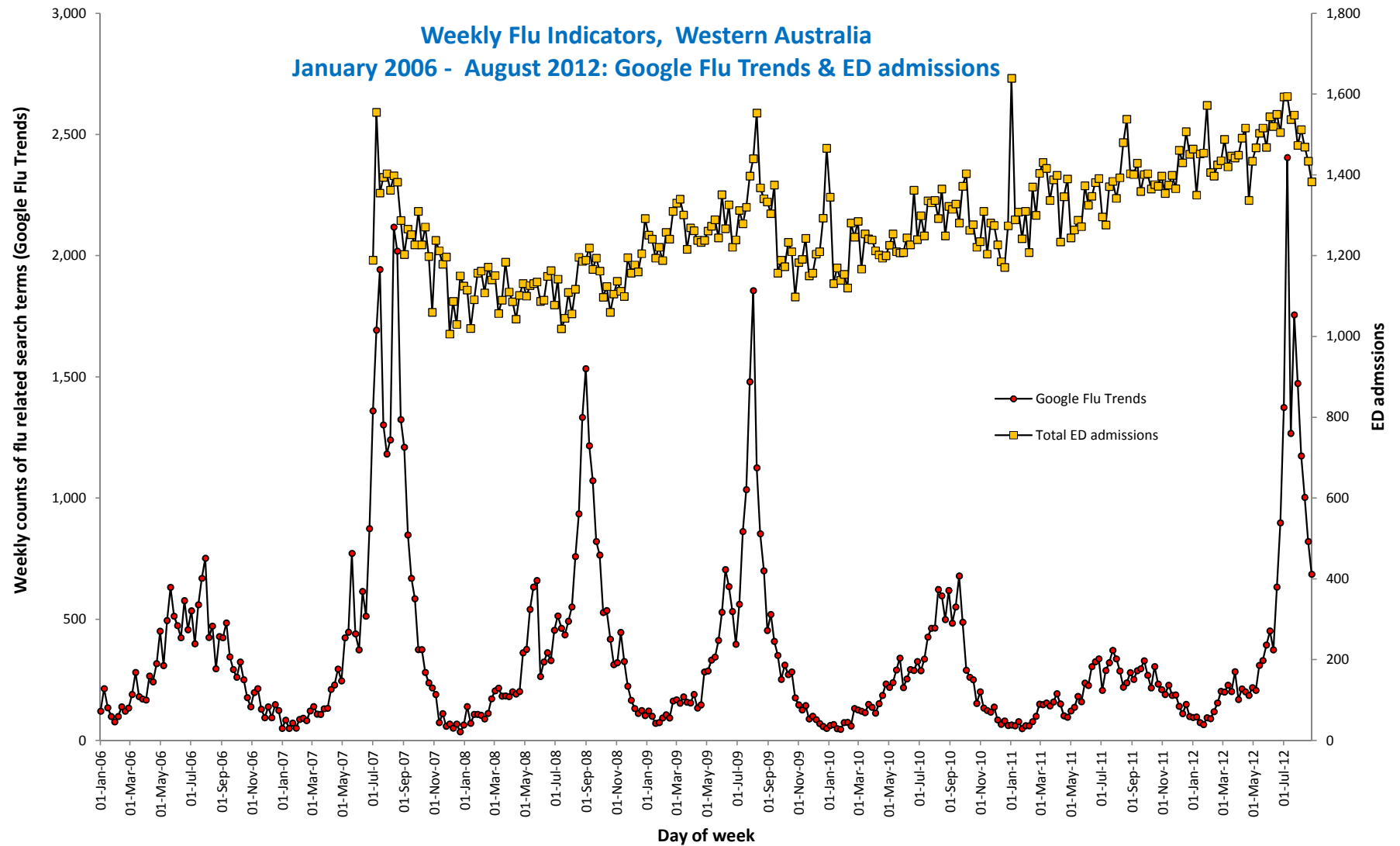
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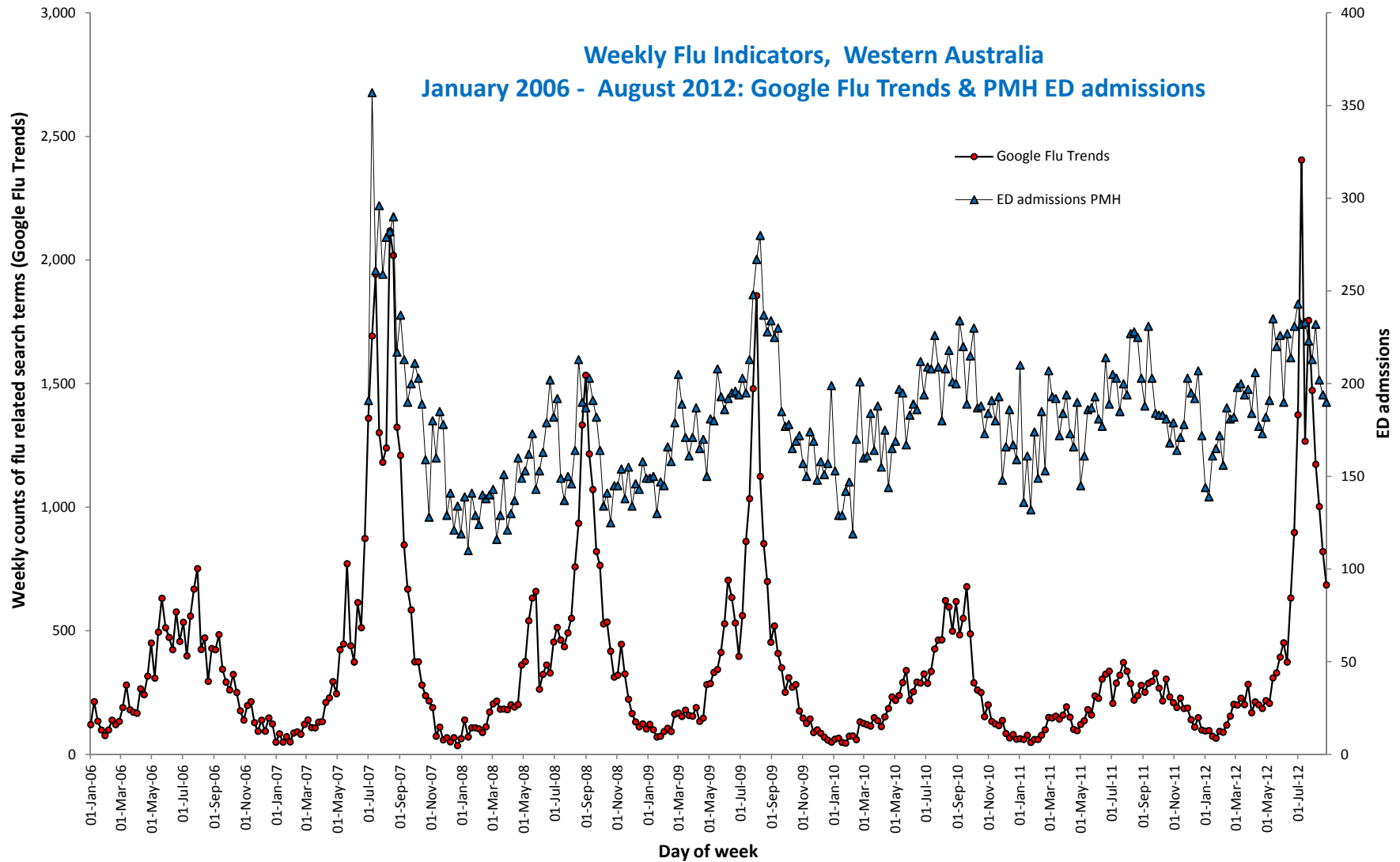
Source: Daily ED dataset

Weekly Flu Indicators, Western Australia January 2006 - August 2012: Google Flu Trends & ED admissions



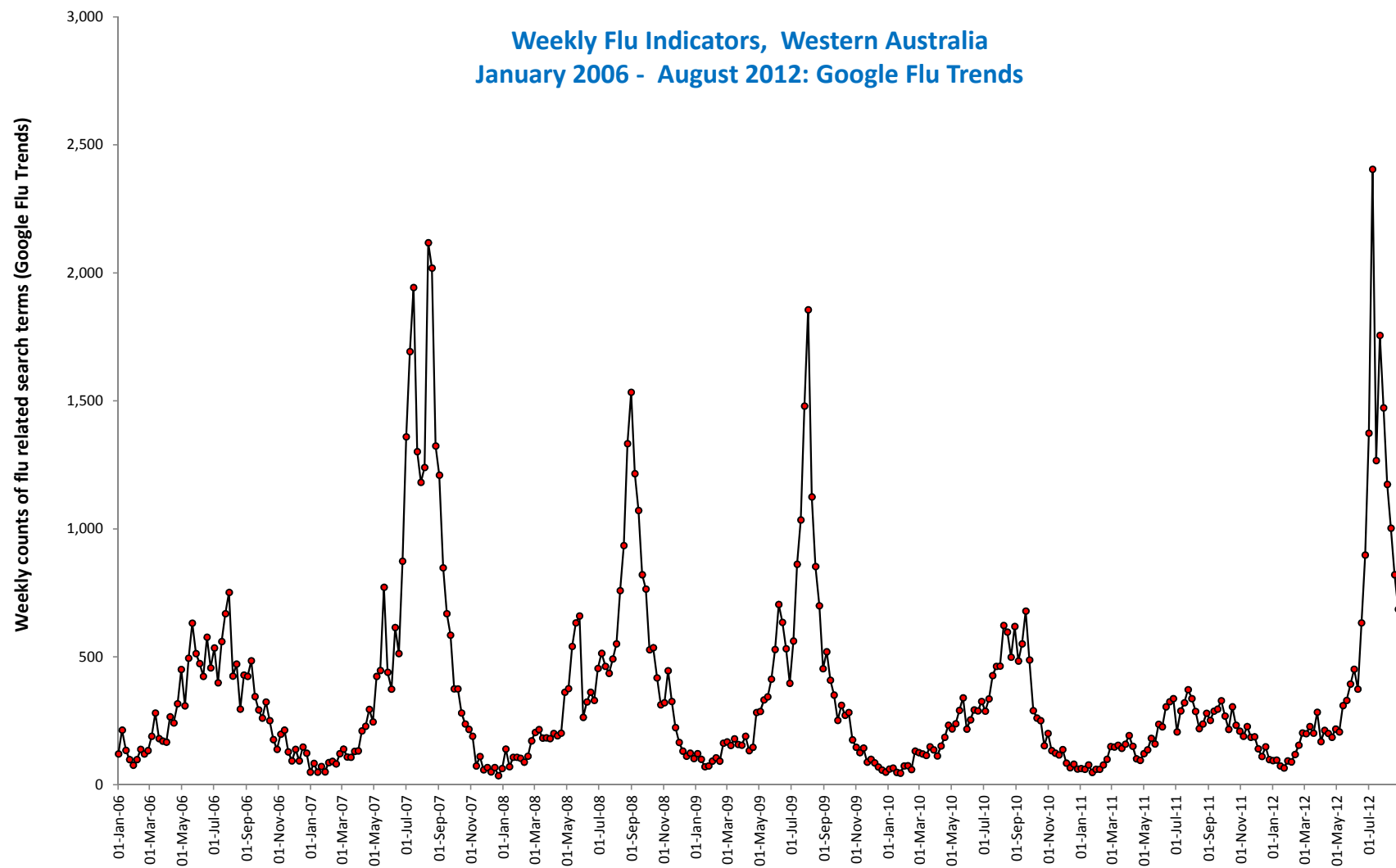
Source: Daily ED dataset

Weekly Flu Indicators, Western Australia January 2006 - August 2012: Google Flu Trends & PMH ED admissions



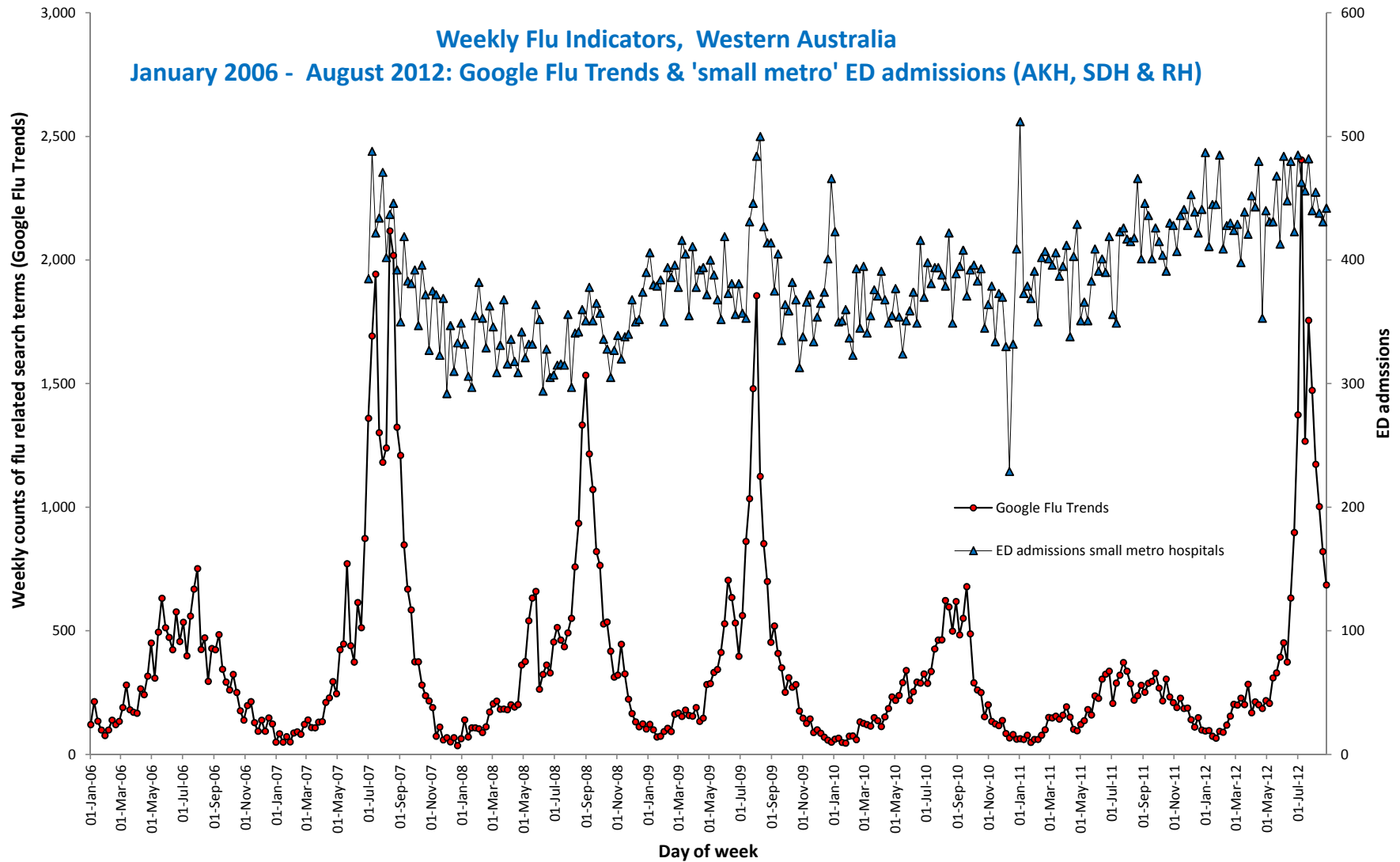
Source: Daily ED dataset

Weekly Flu Indicators, Western Australia
January 2006 - August 2012: Google Flu Trends



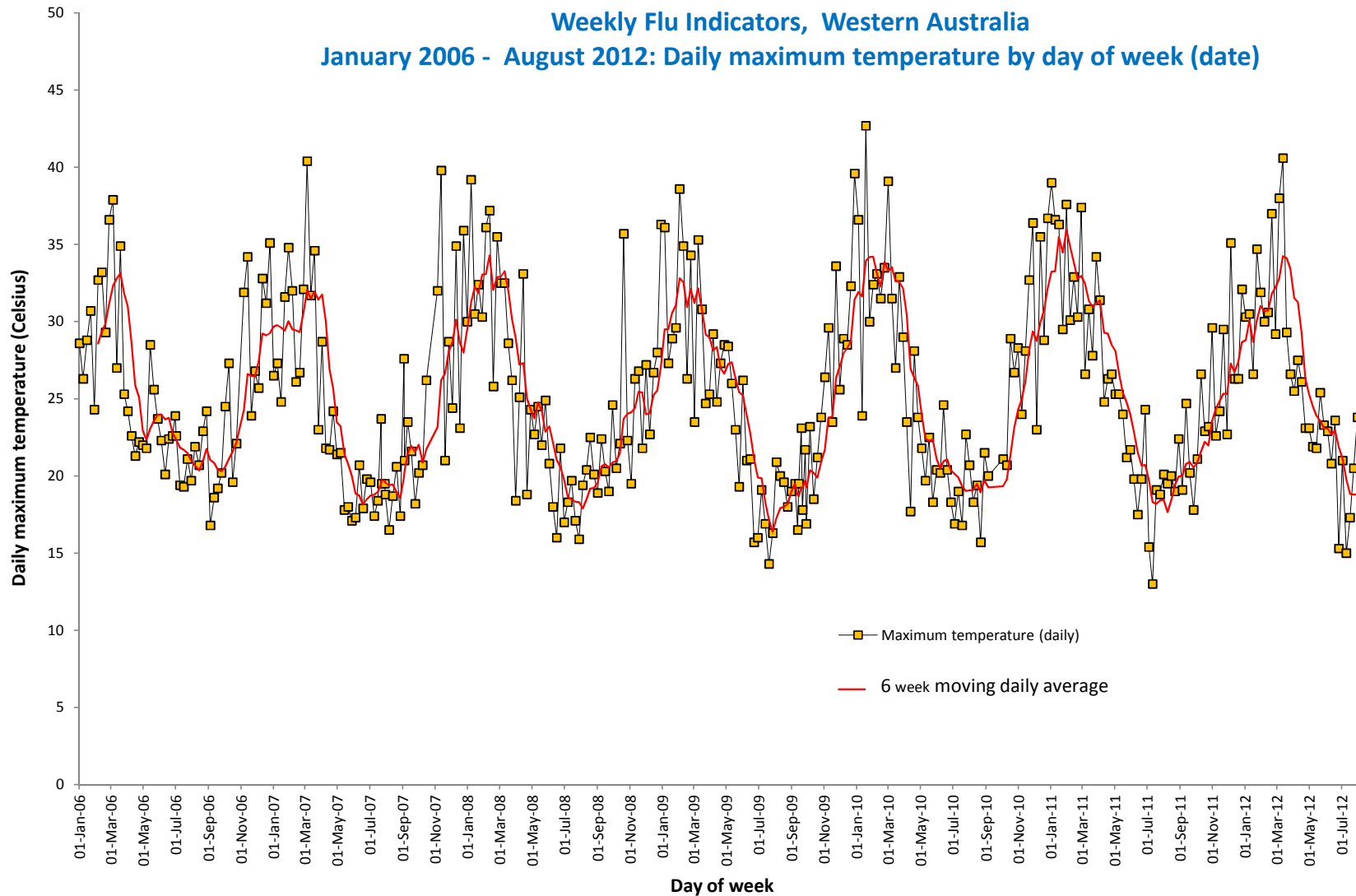
Source: Google Flu Trends (<http://www.google.org/flutrends/au/#AU-WA>)

Weekly Flu Indicators, Western Australia January 2006 - August 2012: Google Flu Trends & 'small metro' ED admissions (AKH, SDH & RH)



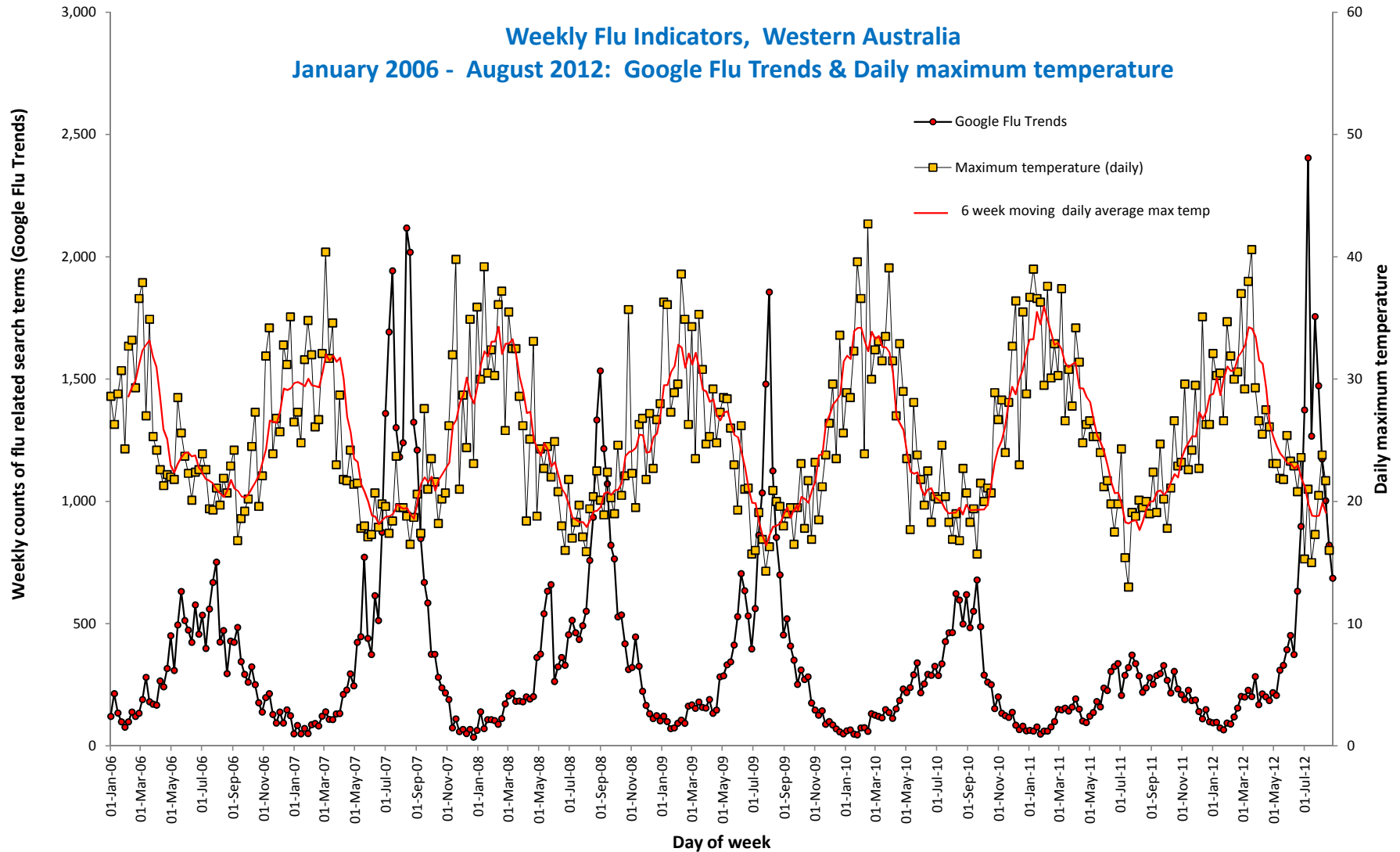
Source: Daily ED dataset

Weekly Flu Indicators, Western Australia
January 2006 - August 2012: Daily maximum temperature by day of week (date)

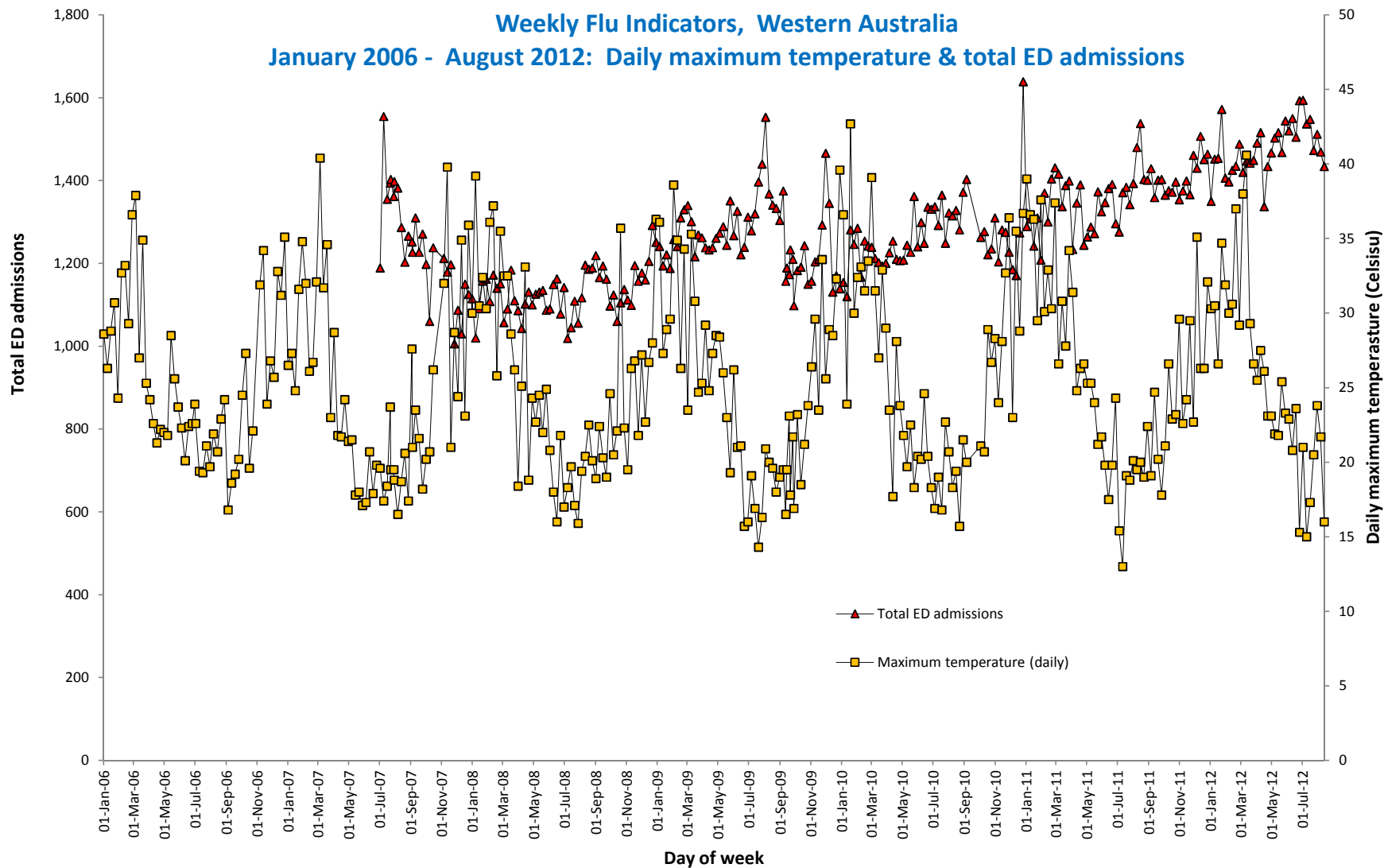


Source: Maximum temperature: www.bom.gov.au/climate/data/index.shtml

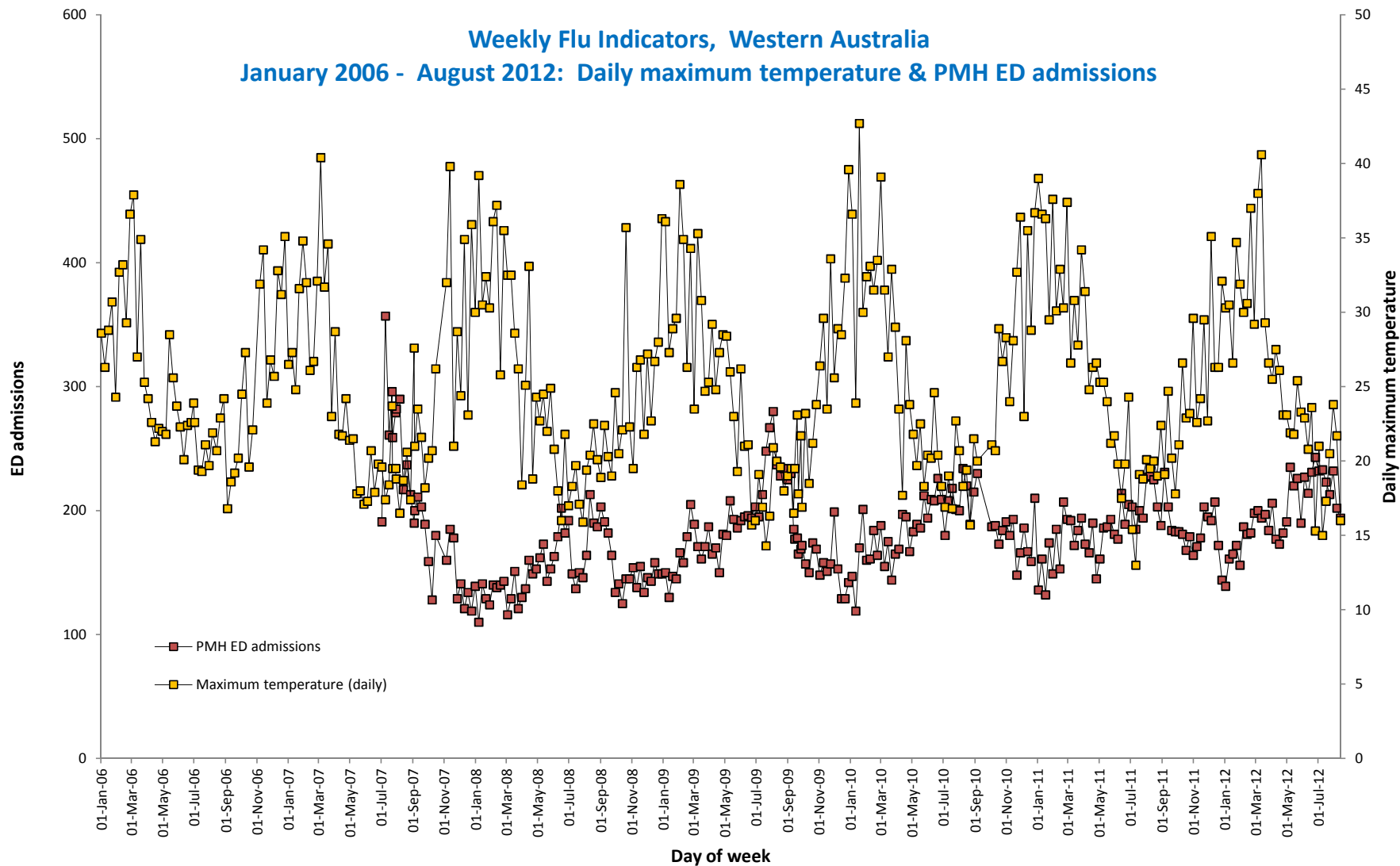
Weekly Flu Indicators, Western Australia January 2006 - August 2012: Google Flu Trends & Daily maximum temperature



Source: Google Flu Trends: www.google.org/flutrends/au/#AU-WA; Maximum temperature: www.bom.gov.au/climate/data/index.shtml

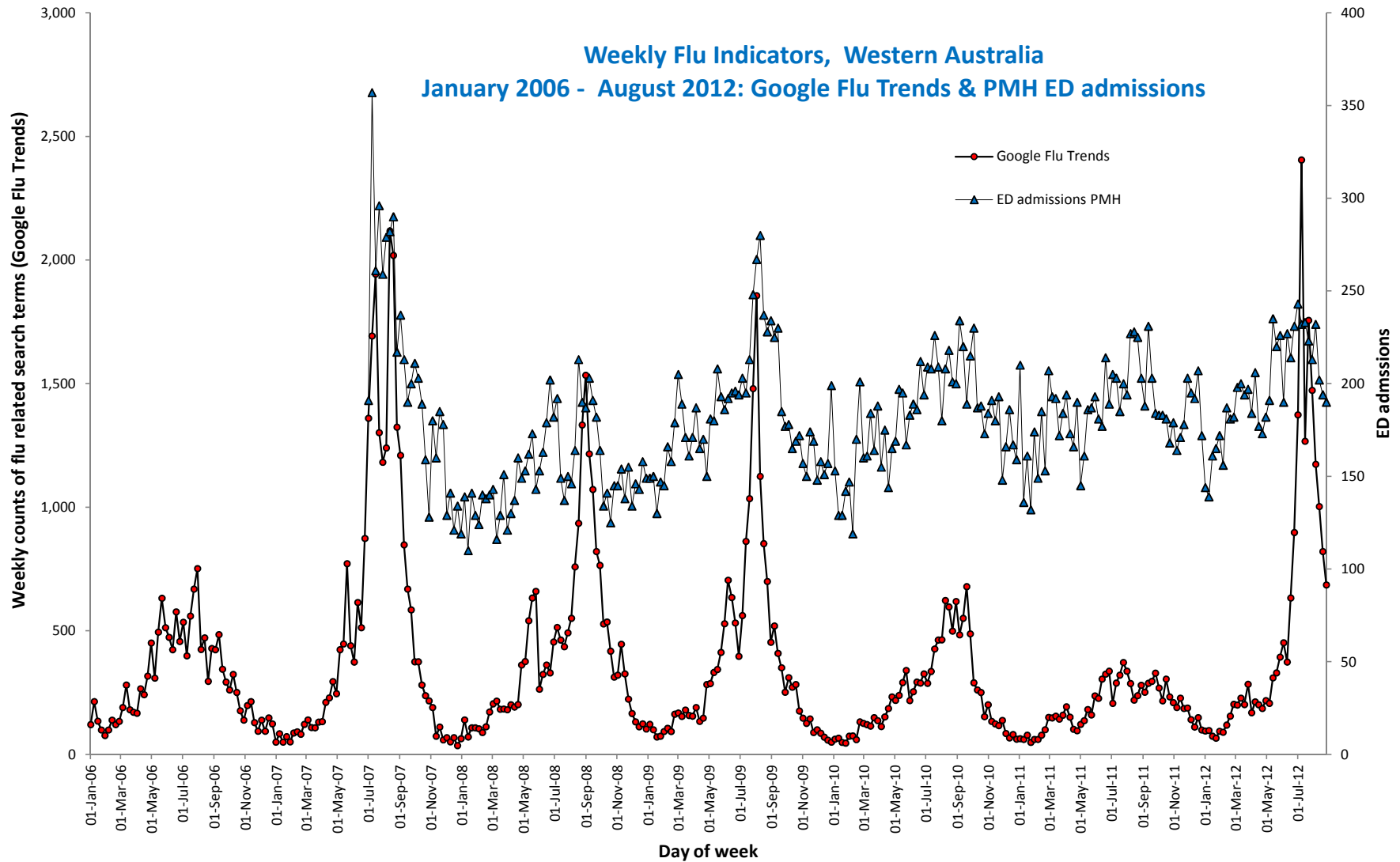


Source: Maximum temperature: www.bom.gov.au/climate/data/index.shtml; ED admissions: Daily ED dataset



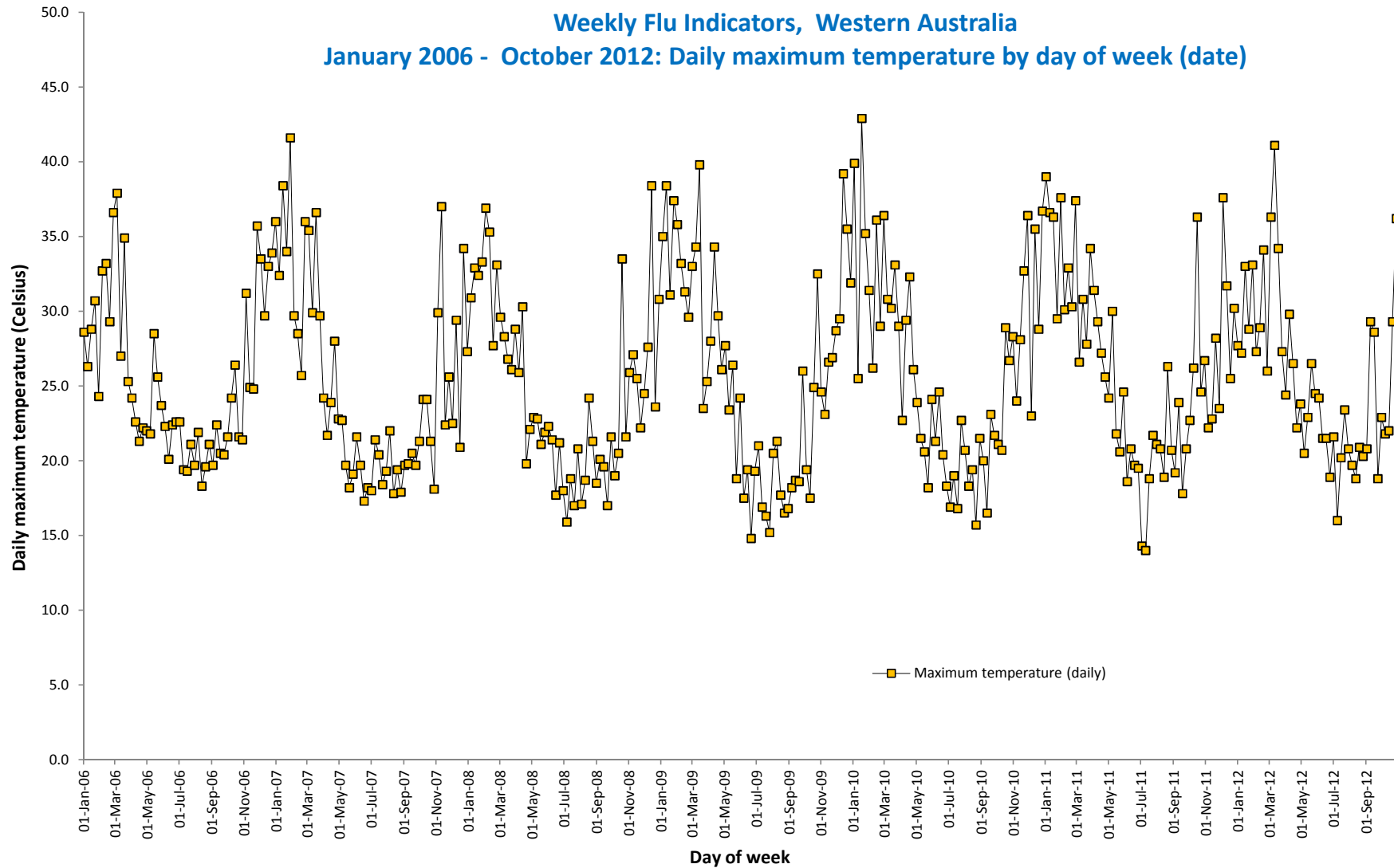
Source: Maximum temperature: www.bom.gov.au/climate/data/index.shtml; ED admissions: Daily ED dataset

Weekly Flu Indicators, Western Australia January 2006 - August 2012: Google Flu Trends & PMH ED admissions



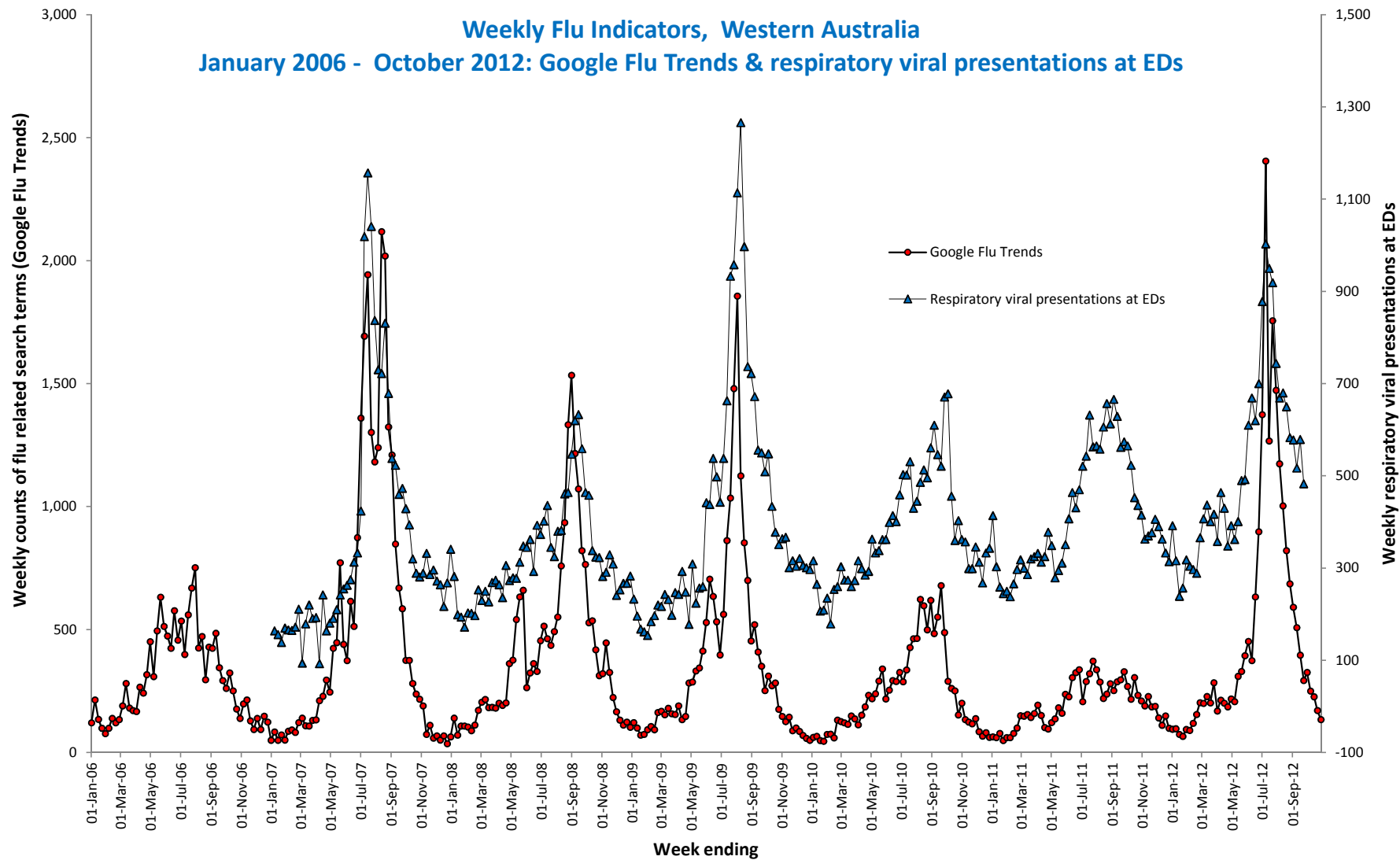
Source: Daily ED dataset

Weekly Flu Indicators, Western Australia
January 2006 - October 2012: Daily maximum temperature by day of week (date)

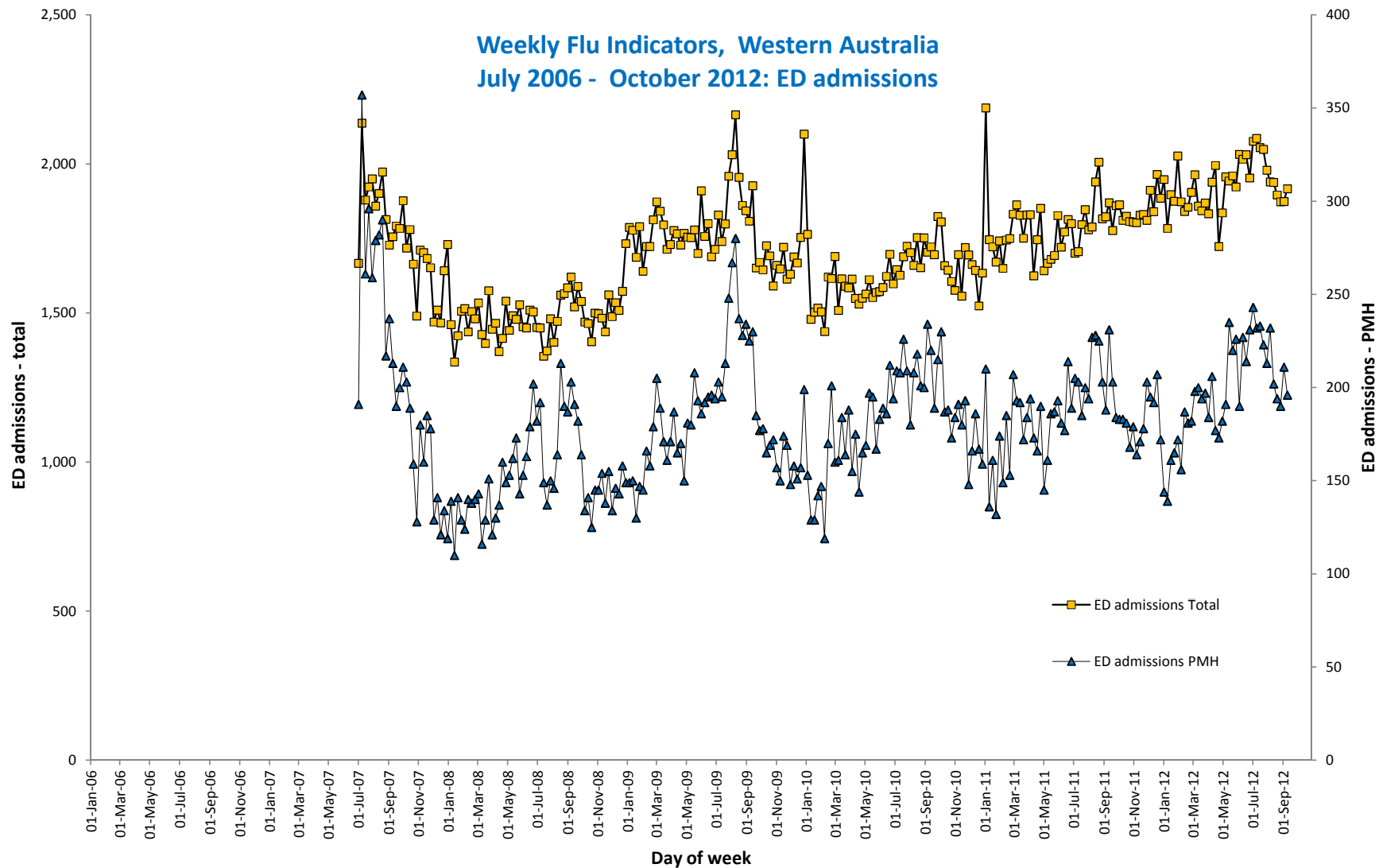


Source: Maximum temperature: www.bom.gov.au/climate/data/index.shtml

Weekly Flu Indicators, Western Australia January 2006 - October 2012: Google Flu Trends & respiratory viral presentations at EDs

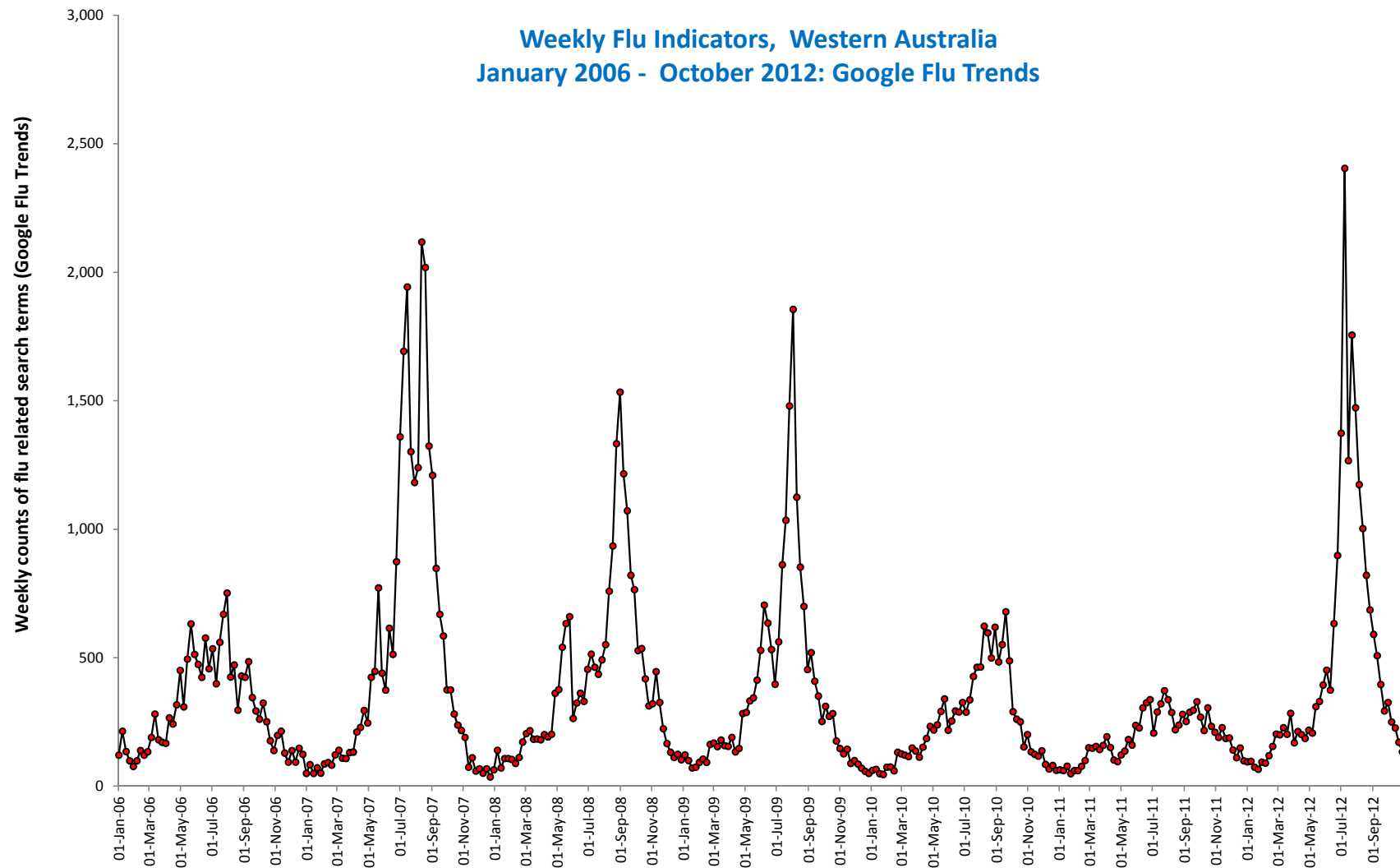


Source: Daily ED dataset



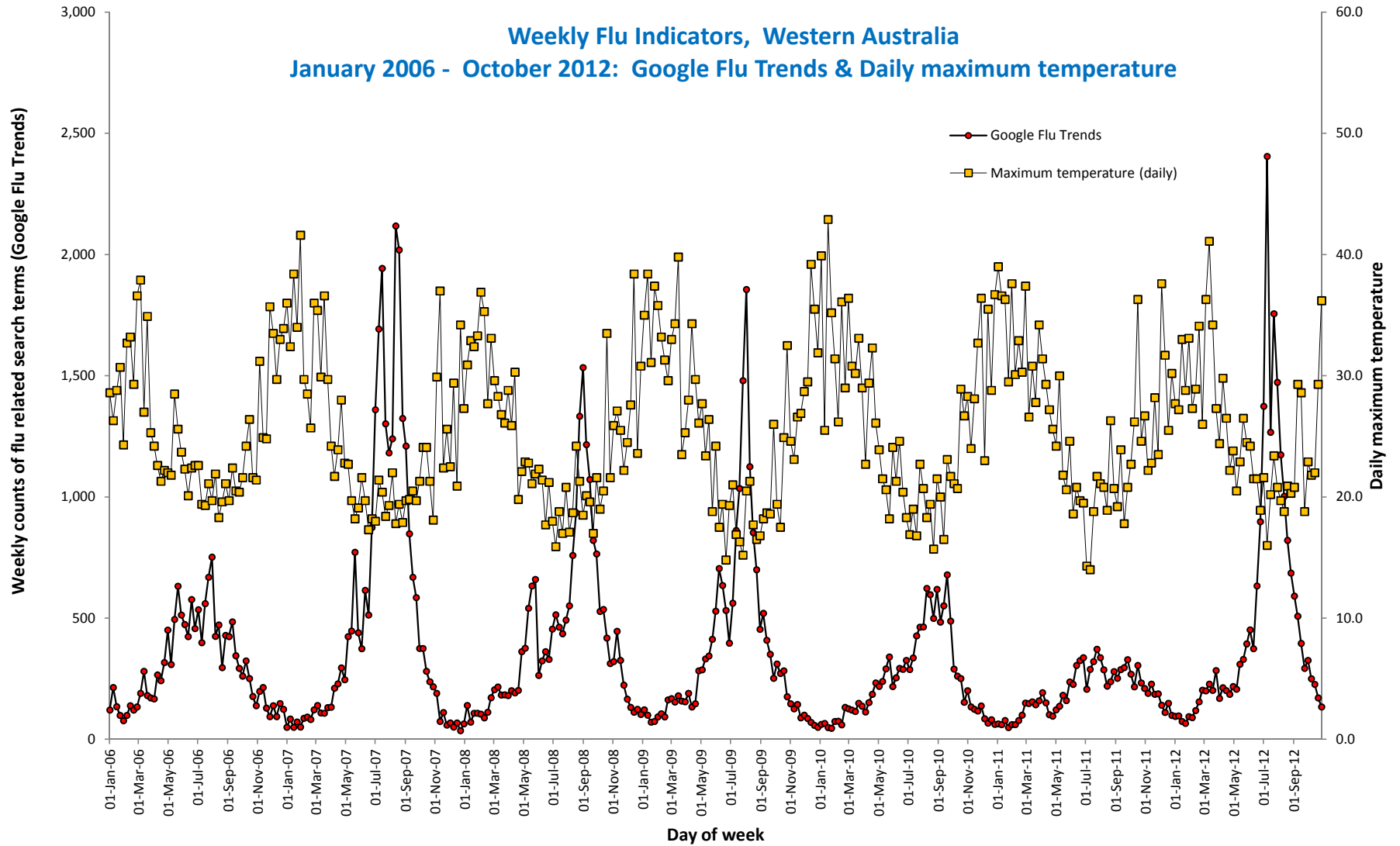
Source: Daily ED dataset

Weekly Flu Indicators, Western Australia
January 2006 - October 2012: Google Flu Trends



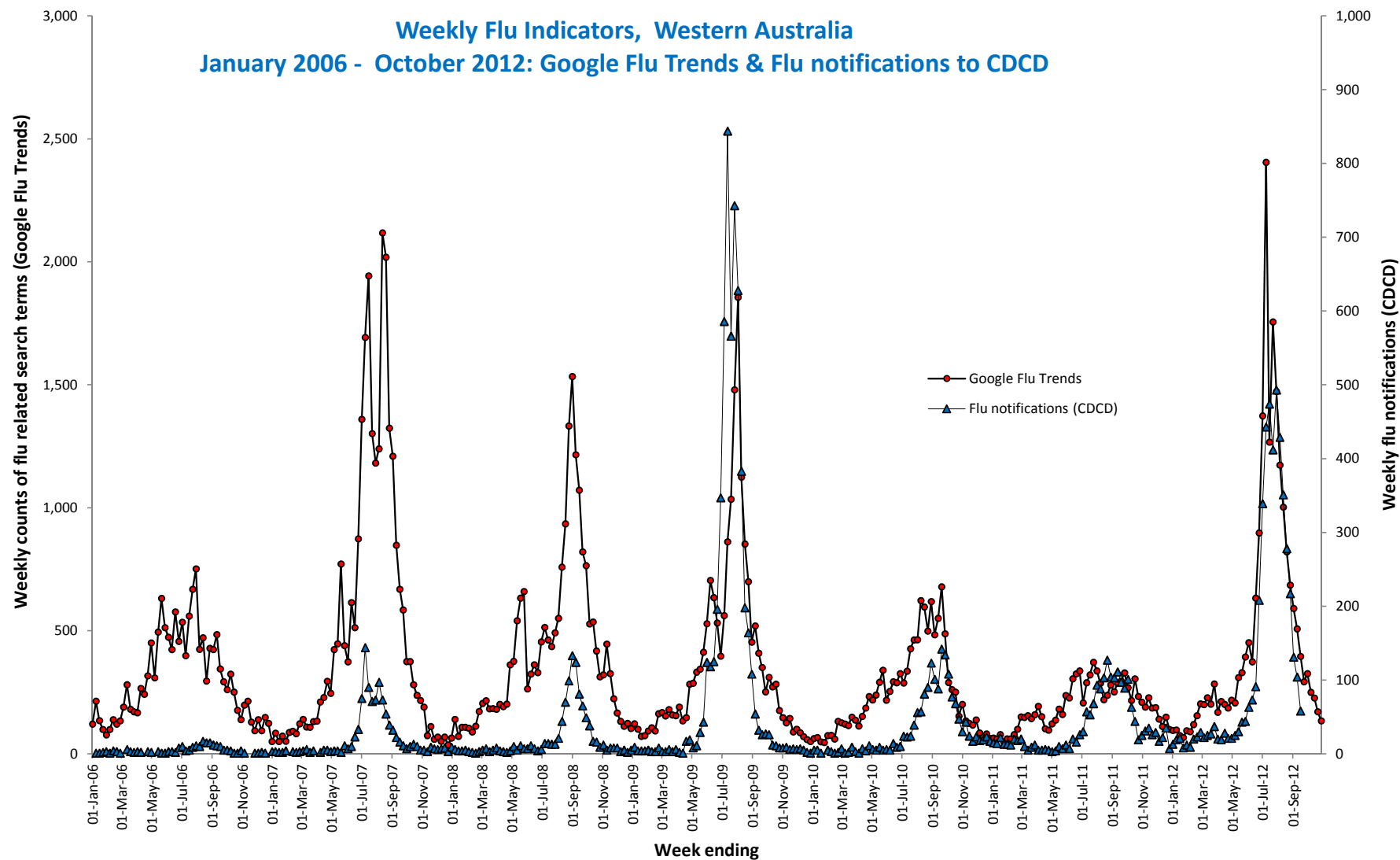
Source: Google Flu Trends (<http://www.google.org/flutrends/au/#AU-WA>)

Weekly Flu Indicators, Western Australia January 2006 - October 2012: Google Flu Trends & Daily maximum temperature

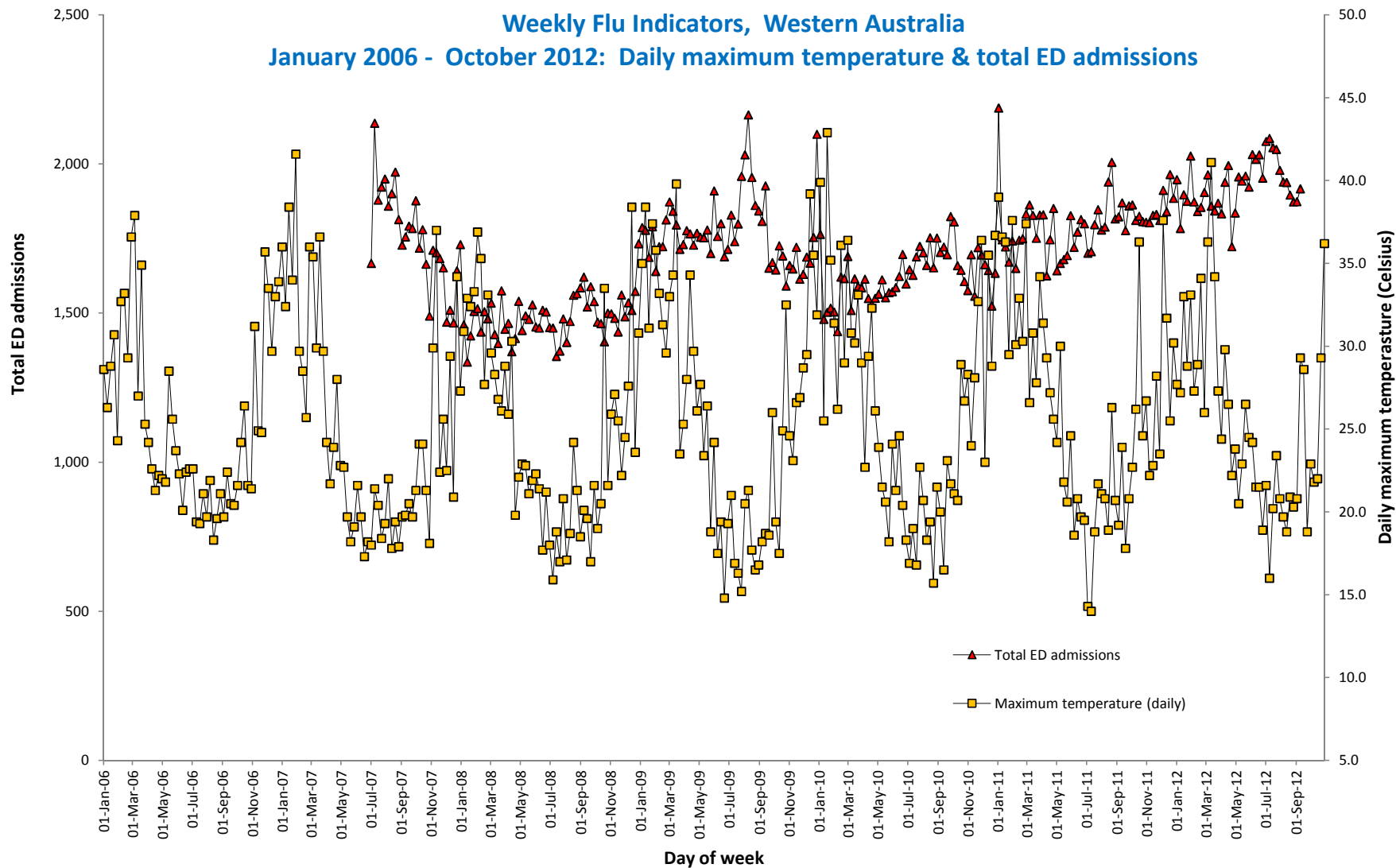


Source: Google Flu Trends: www.google.org/flutrends/au/#AU-WA; Maximum temperature: www.bom.gov.au/climate/data/index.shtml

Weekly Flu Indicators, Western Australia January 2006 - October 2012: Google Flu Trends & Flu notifications to CDCD

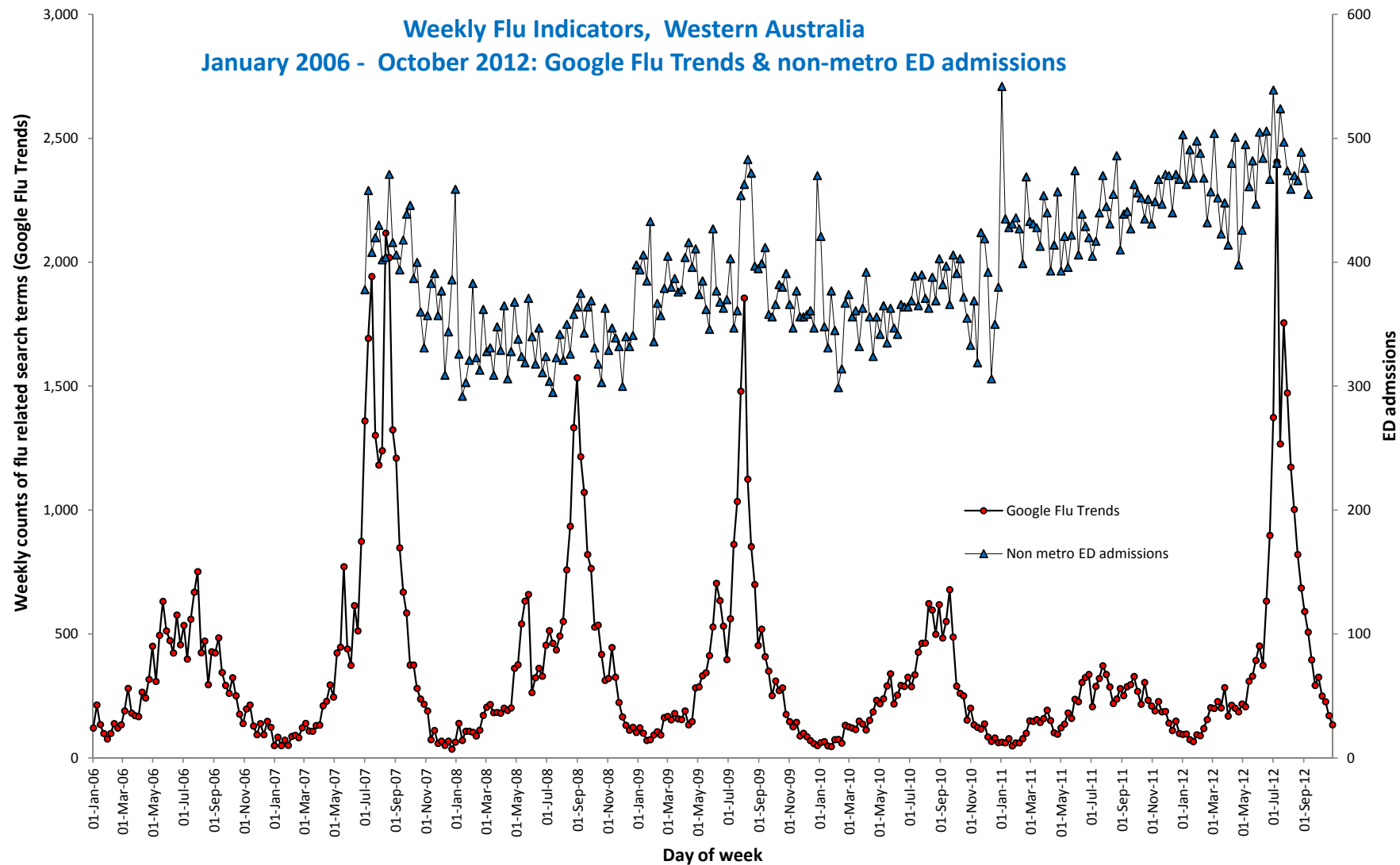


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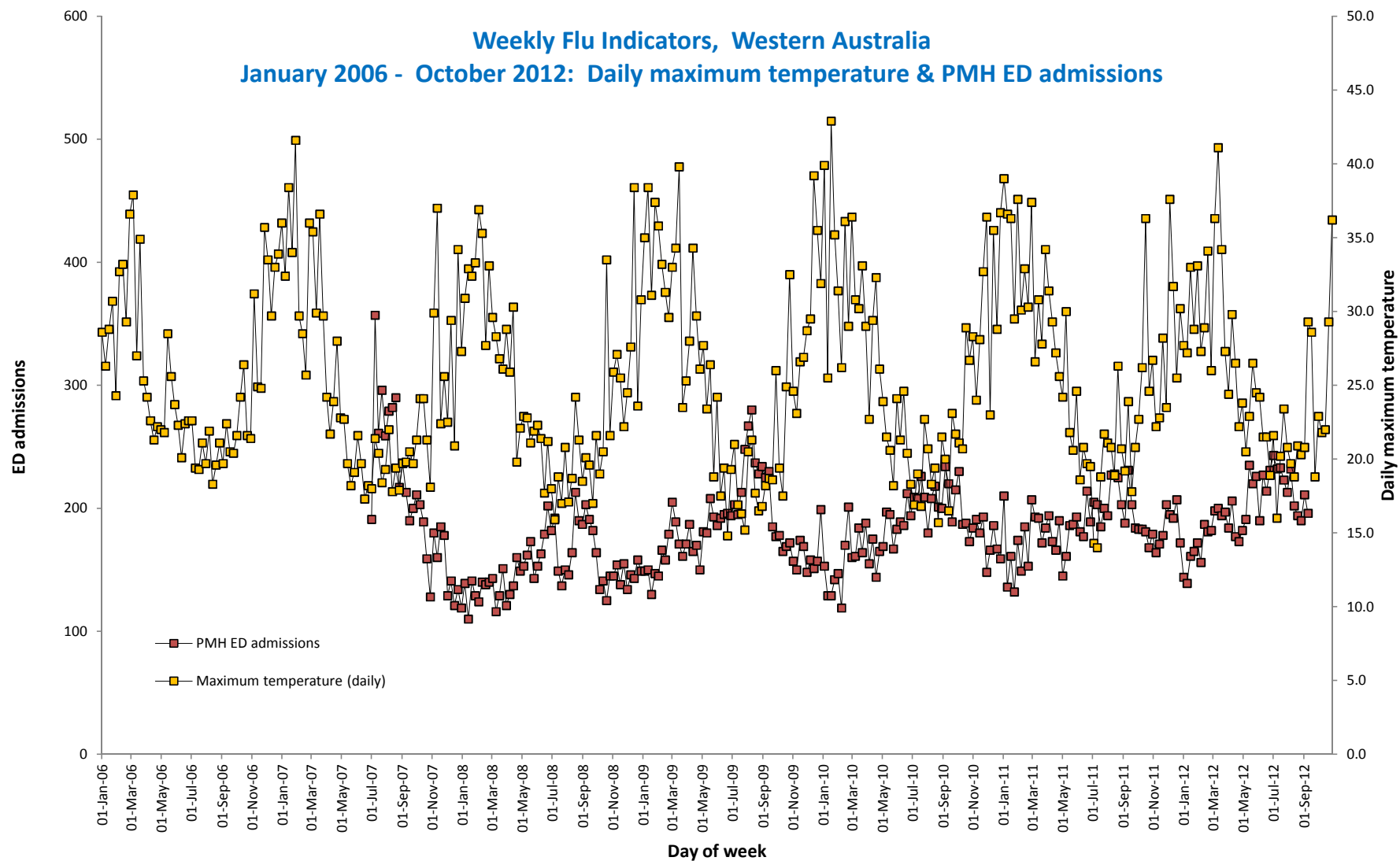


Source: Maximum temperature: www.bom.gov.au/climate/data/index.shtml; ED admissions: Daily ED dataset

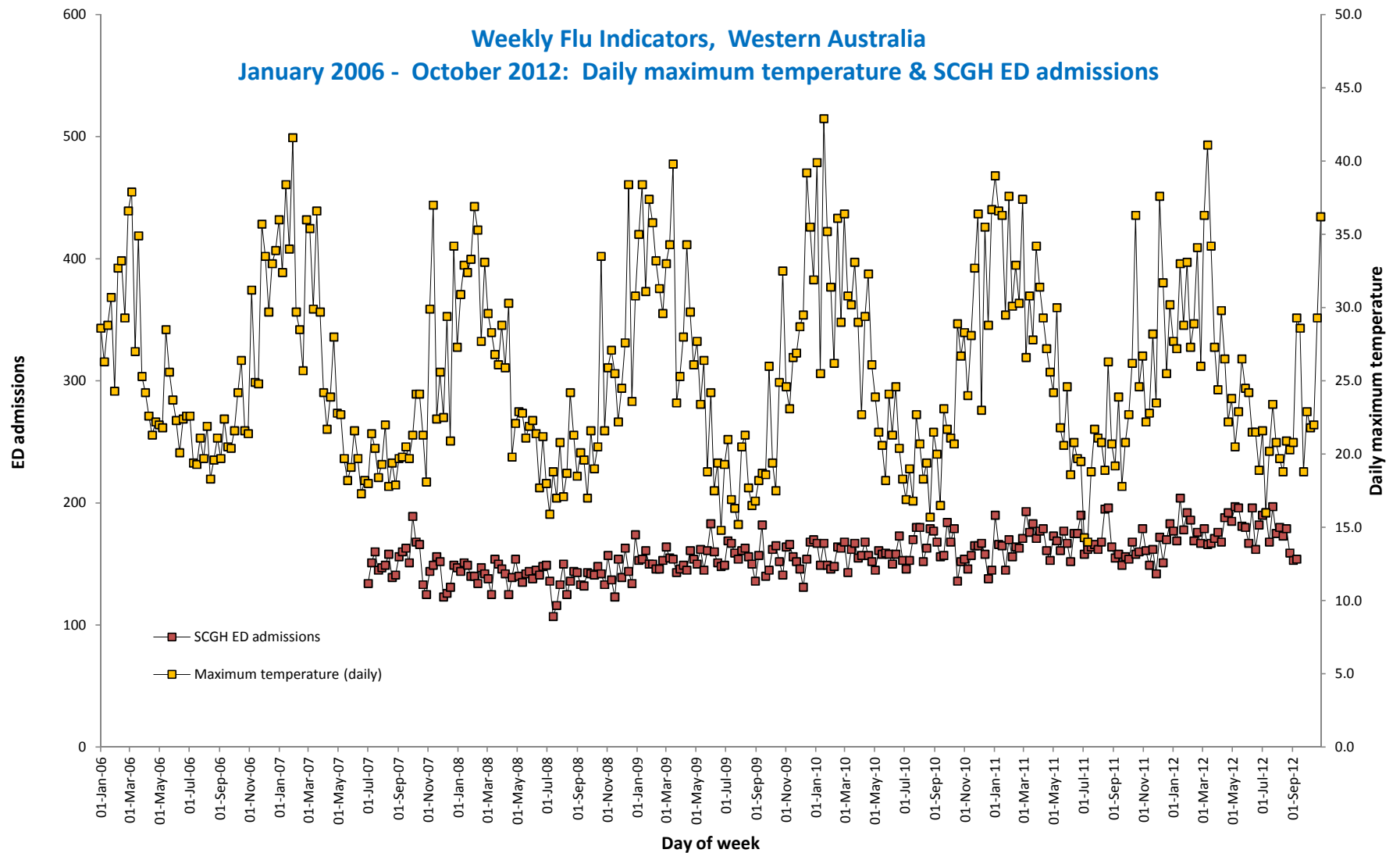
Weekly Flu Indicators, Western Australia January 2006 - October 2012: Google Flu Trends & non-metro ED admissions



Source: Daily ED dataset

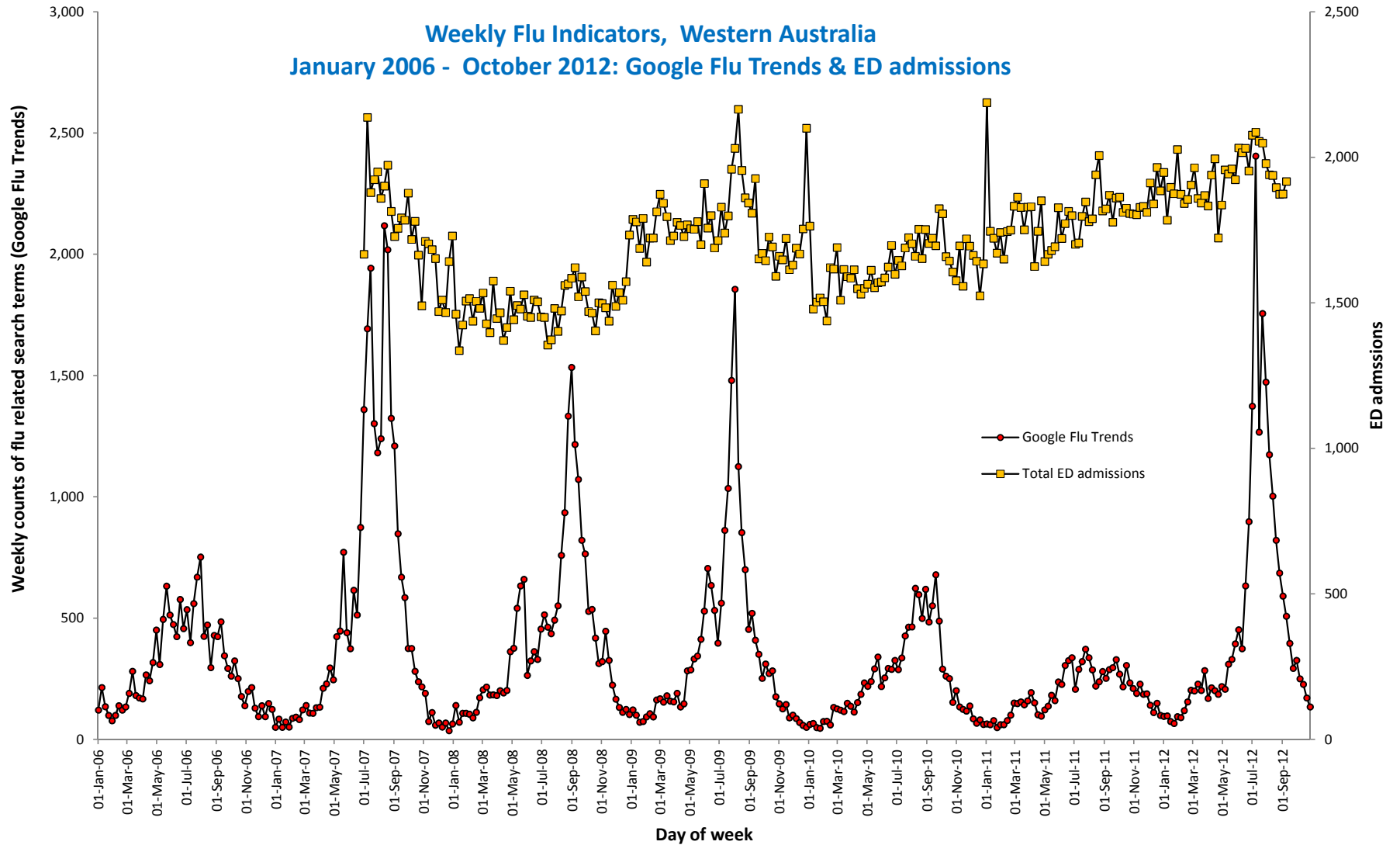


Source: Maximum temperature: www.bom.gov.au/climate/data/index.shtml; ED admissions: Daily ED dataset



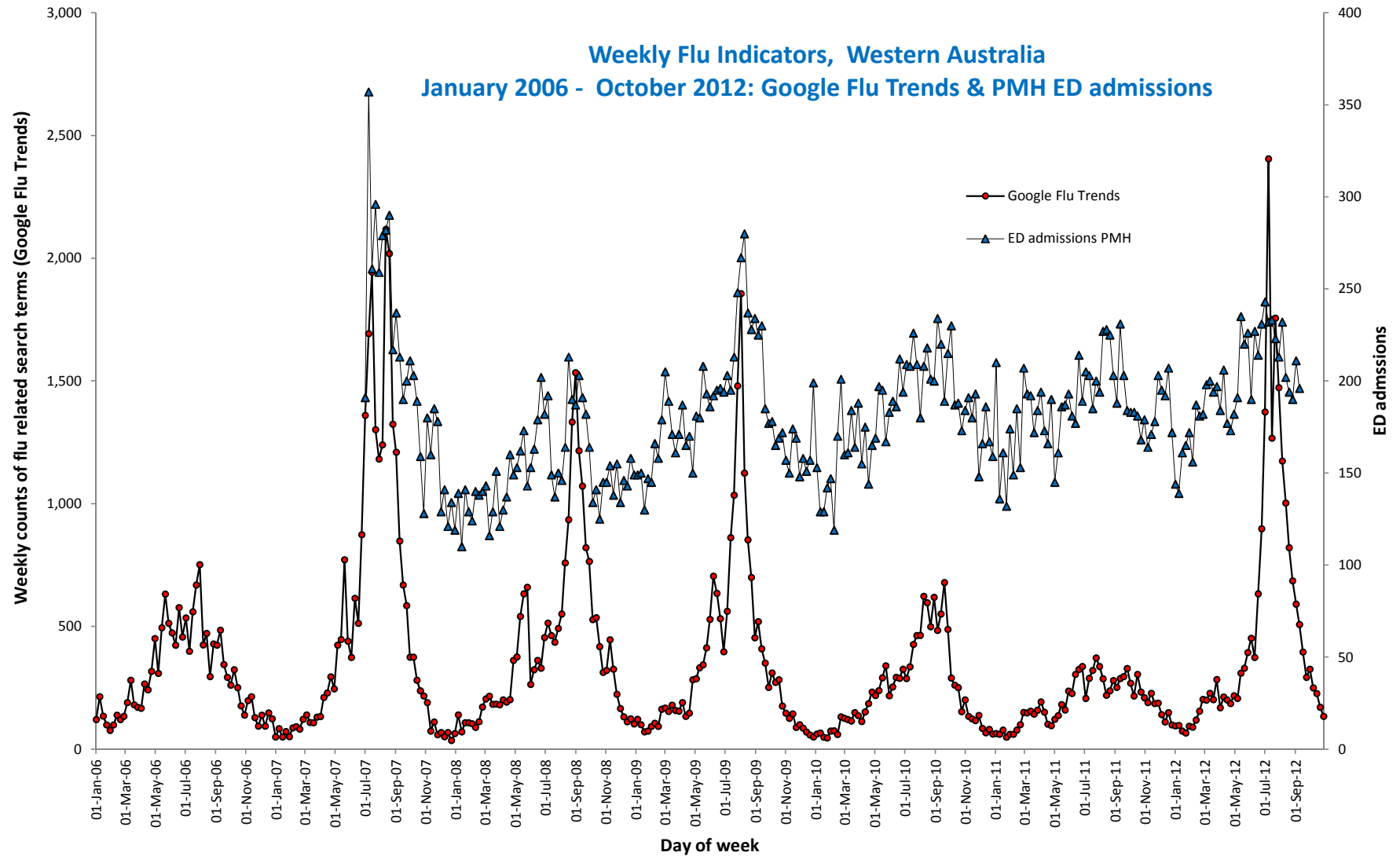
Source: Maximum temperature: www.bom.gov.au/climate/data/index.shtml; ED admissions: Daily ED dataset

Weekly Flu Indicators, Western Australia January 2006 - October 2012: Google Flu Trends & ED admissions



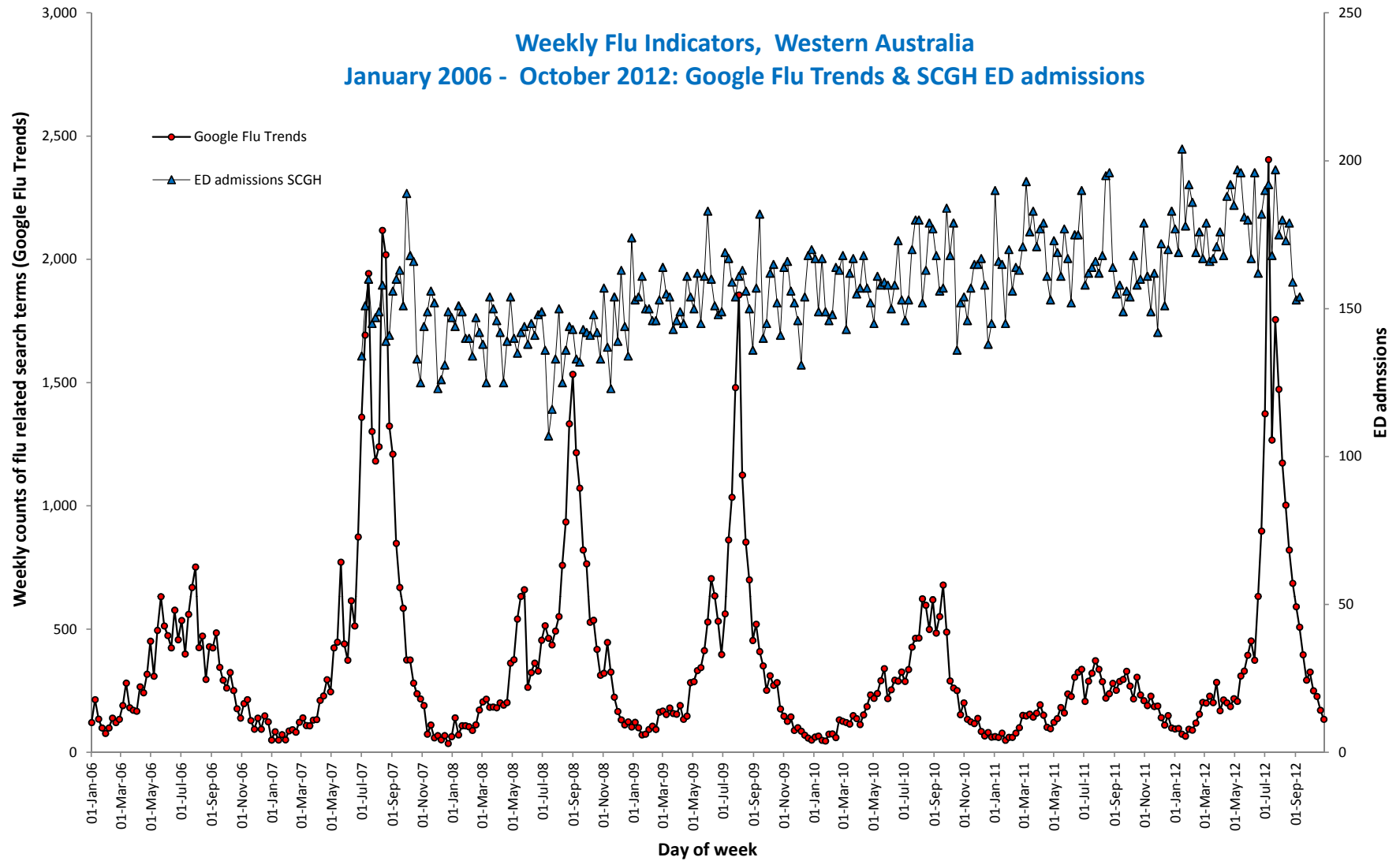
Source: Daily ED dataset

Weekly Flu Indicators, Western Australia January 2006 - October 2012: Google Flu Trends & PMH ED admissions



Source: Daily ED dataset

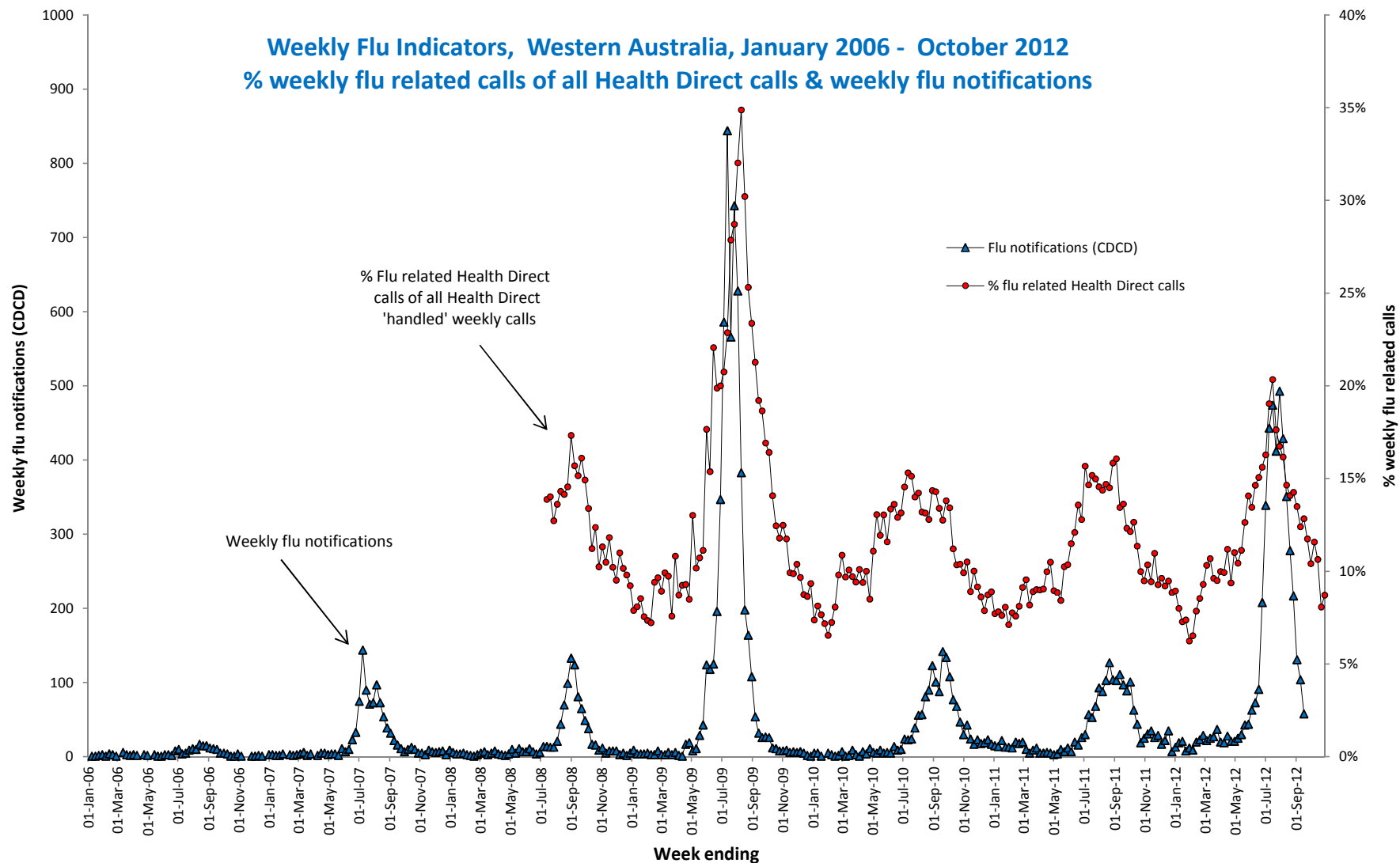
Weekly Flu Indicators, Western Australia January 2006 - October 2012: Google Flu Trends & SCGH ED admissions



Source: Daily ED dataset

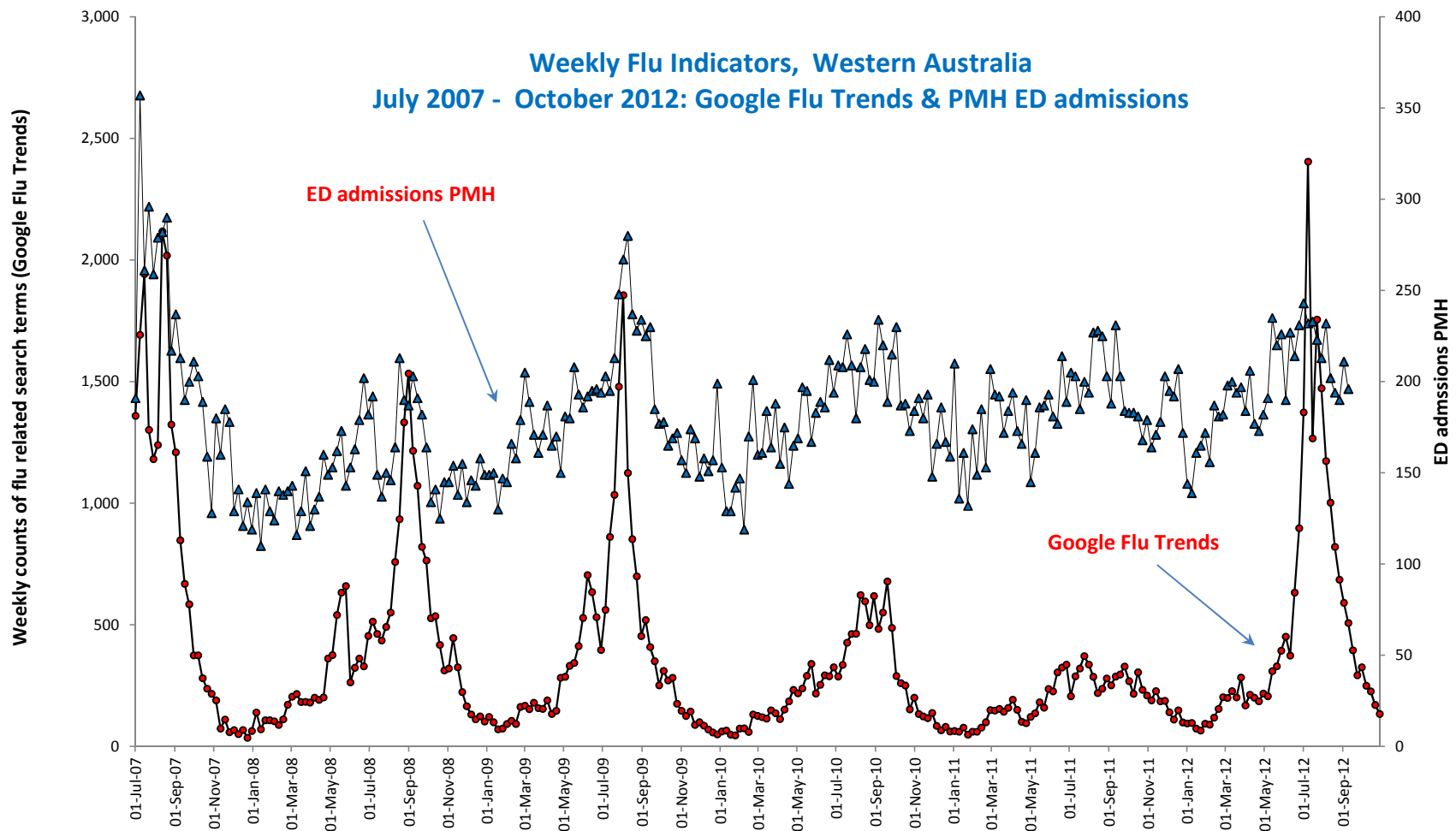
Weekly Flu Indicators, Western Australia, January 2006 - October 2012

% weekly flu related calls of all Health Direct calls & weekly flu notifications



Source: Flu notifications (Pathwest); HealthDirect calls

Weekly Flu Indicators, Western Australia July 2007 - October 2012: Google Flu Trends & PMH ED admissions



Weekly Flu Indicators, Western Australia, July 2008 - October 2012

Health Direct handled calls: % weekly flu related calls,
% weekly flu related paediatric & total calls

