

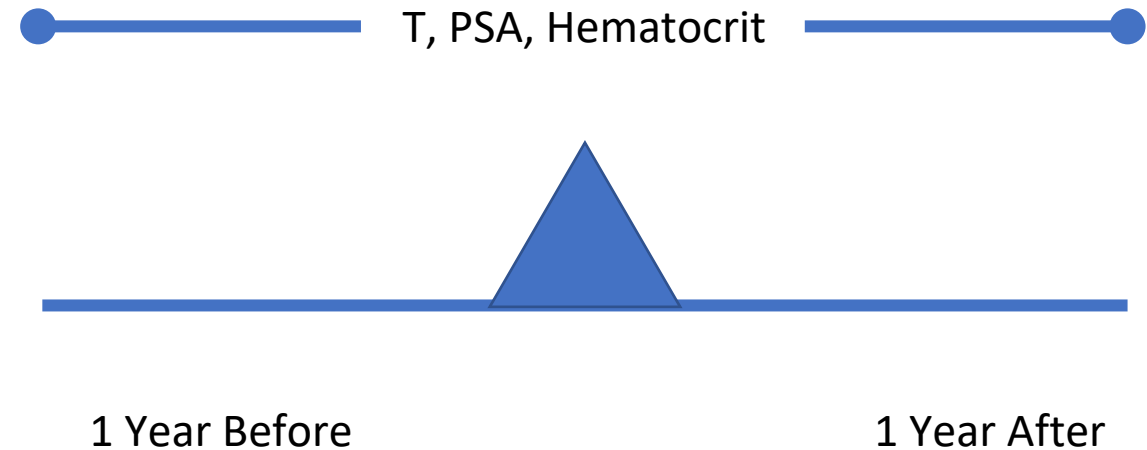
PD26-08 POPULATION BASED EVALUATION OF
LABORATORY MONITORING AFTER
PRESCRIPTION FOR TESTOSTERONE THERAPY

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Guidelines For Testosterone Therapy

- Endocrine Society 2006
 - T: 2x Before → 2-3 Mo After
 - PSA: Before → 3 Mo After → Follow guidelines
 - Hematocrit: Before → 3 Mo After → Annually
- Endocrine Society 2010
 - T: 2x Before → 3-6 Mo After
 - PSA: Before → 3-6 Mo After → Follow guidelines
 - Hematocrit: Before → 3-6 Mo After → Annually
- Endocrine Society 2018
 - T: 2x Before → Every 3-6 Mo After
 - PSA: Before → 3-12 Mo After → Follow guidelines
 - Hematocrit: Before → 3-6 Mo After → Yearly
- AUA 2018
 - T: 2x Before → Every 6-12 Mo After
 - PSA: Before → Shared Decision Making After
 - Hematocrit: Before → Every 6-12 Mo After

“Guideline Adherence”

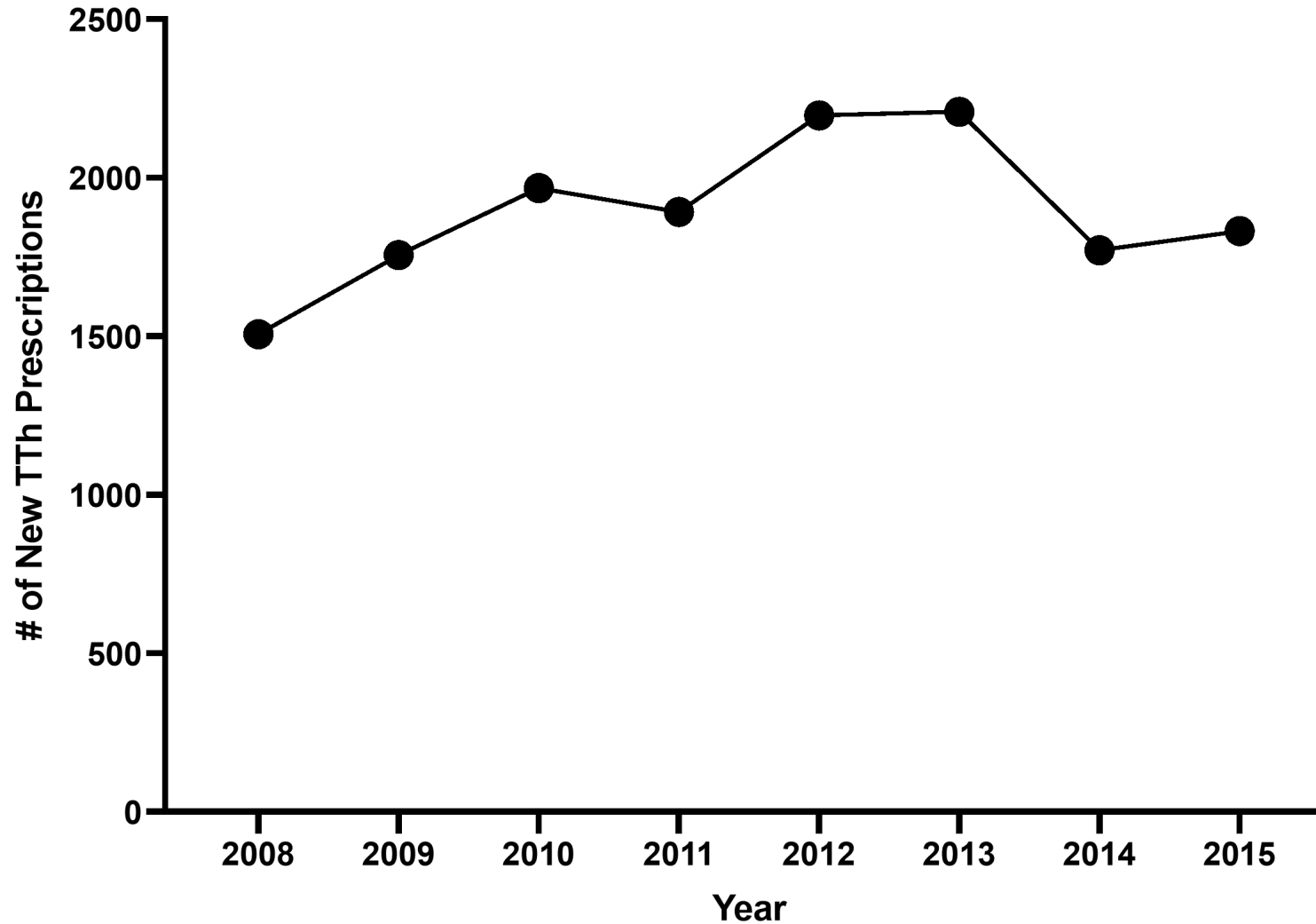


Methods

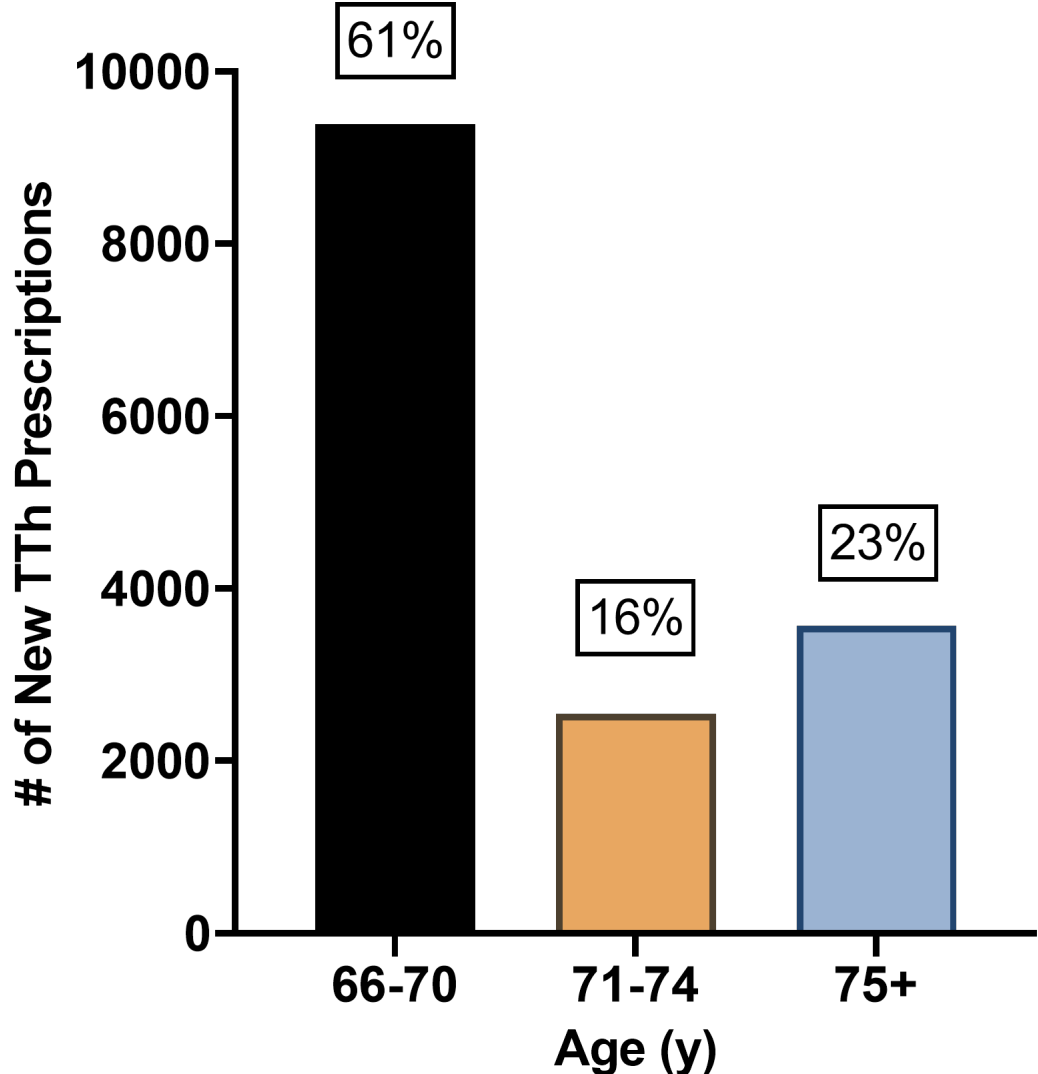
- 2008 – 2015 in Ontario, Canada
 - Ontario Drug Benefit Database
 - Canadian Health Institute For Health Information
- Men >65 years of age
- 15,503 men with new Testosterone Prescriptions
- Guideline adherence – defined as “measurement of testosterone, hemoglobin (or hematocrit), and prostate specific antigen (PSA) within one year before or after testosterone prescription.”



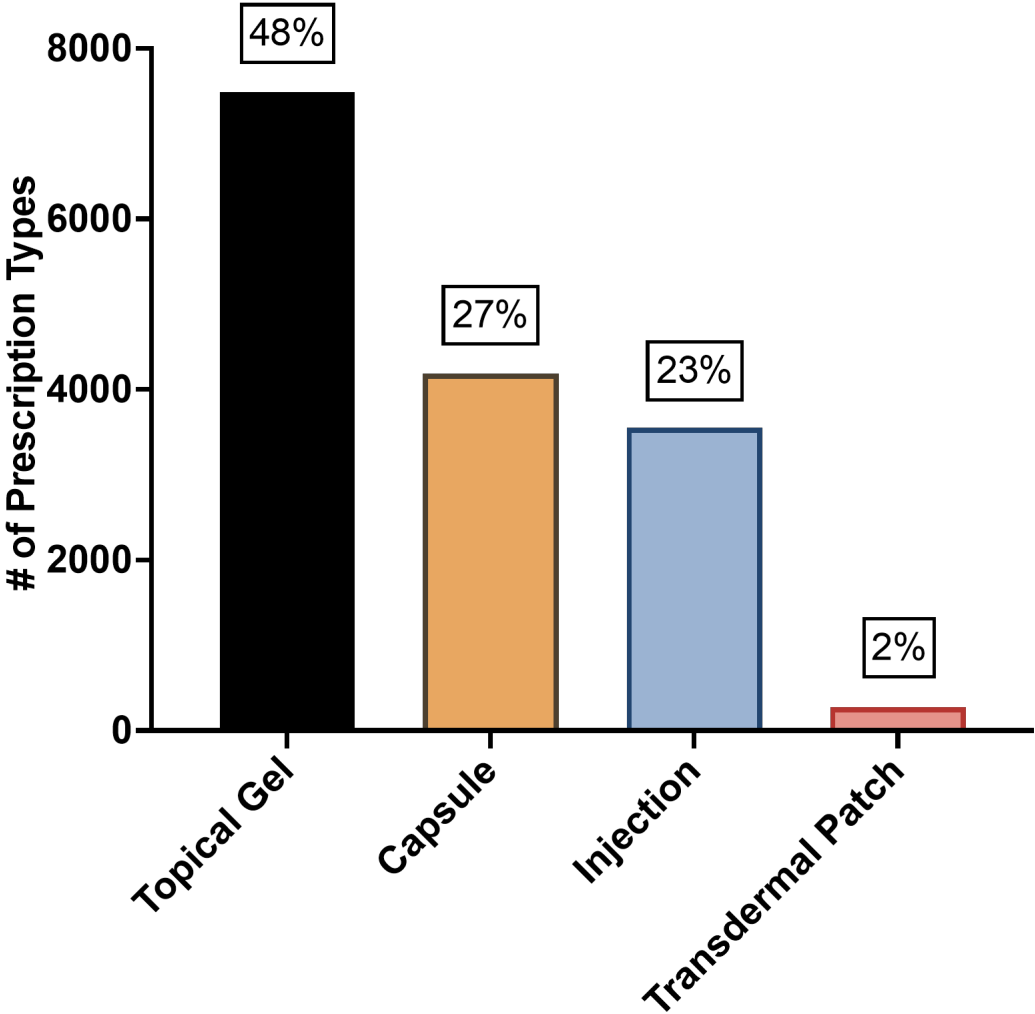
Testosterone Therapy Prescriptions Peaked in 2013



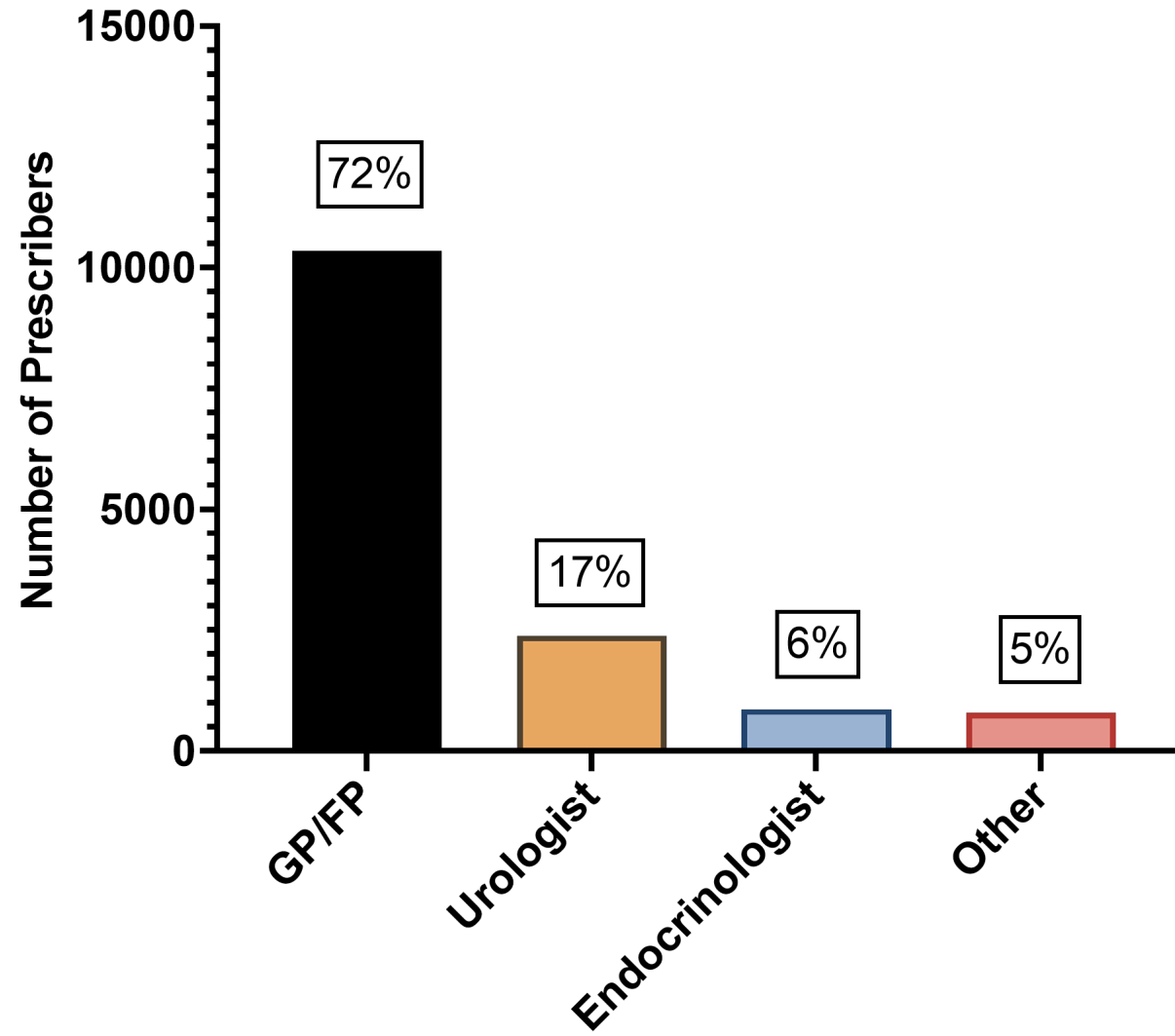
The Majority of Patients on Testosterone Therapy are Between 66 and 70 Years of Age



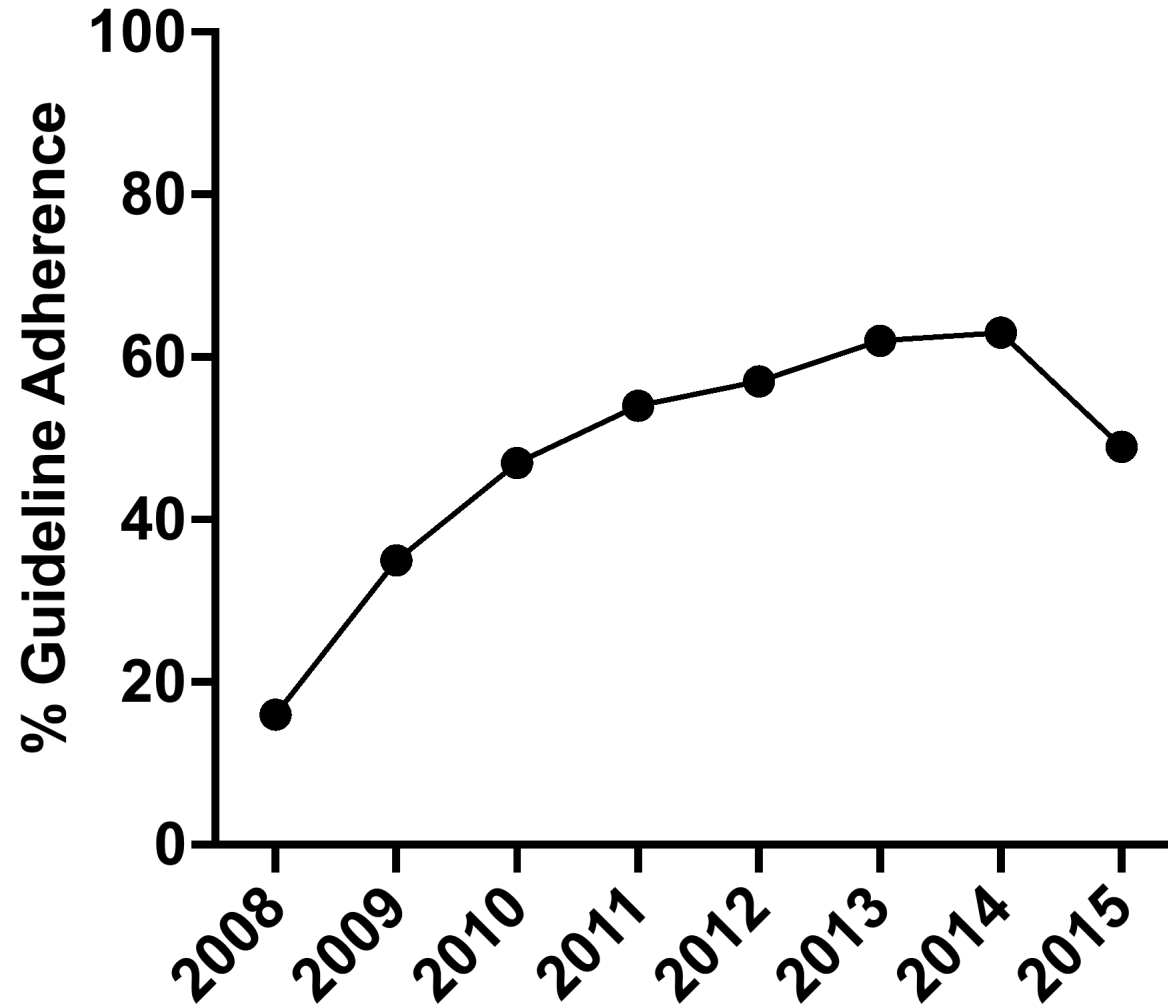
The Most Common Type of Testosterone Therapy Is Topical Gels



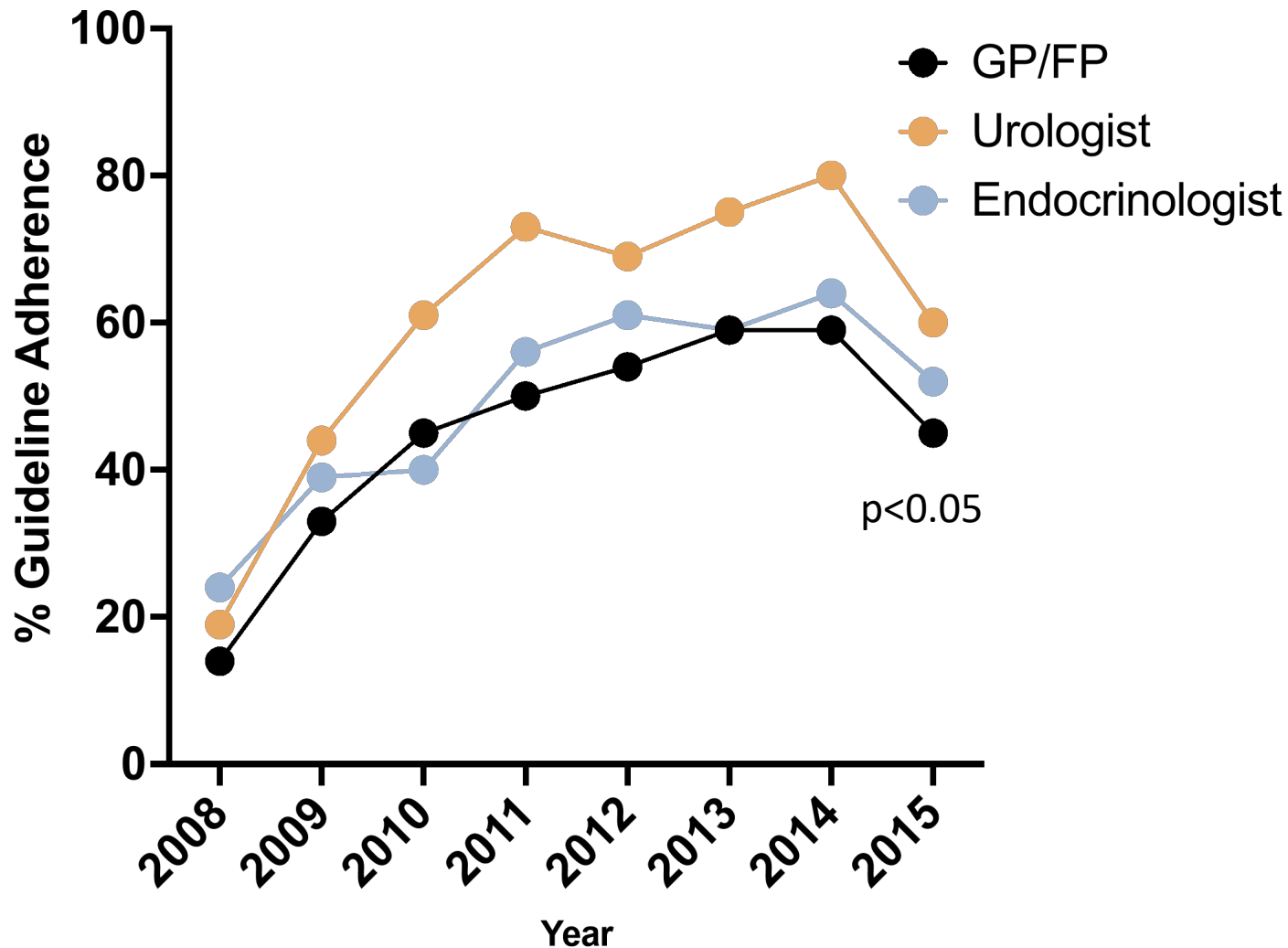
General Practitioners Are the Most Common Testosterone Therapy Prescribers



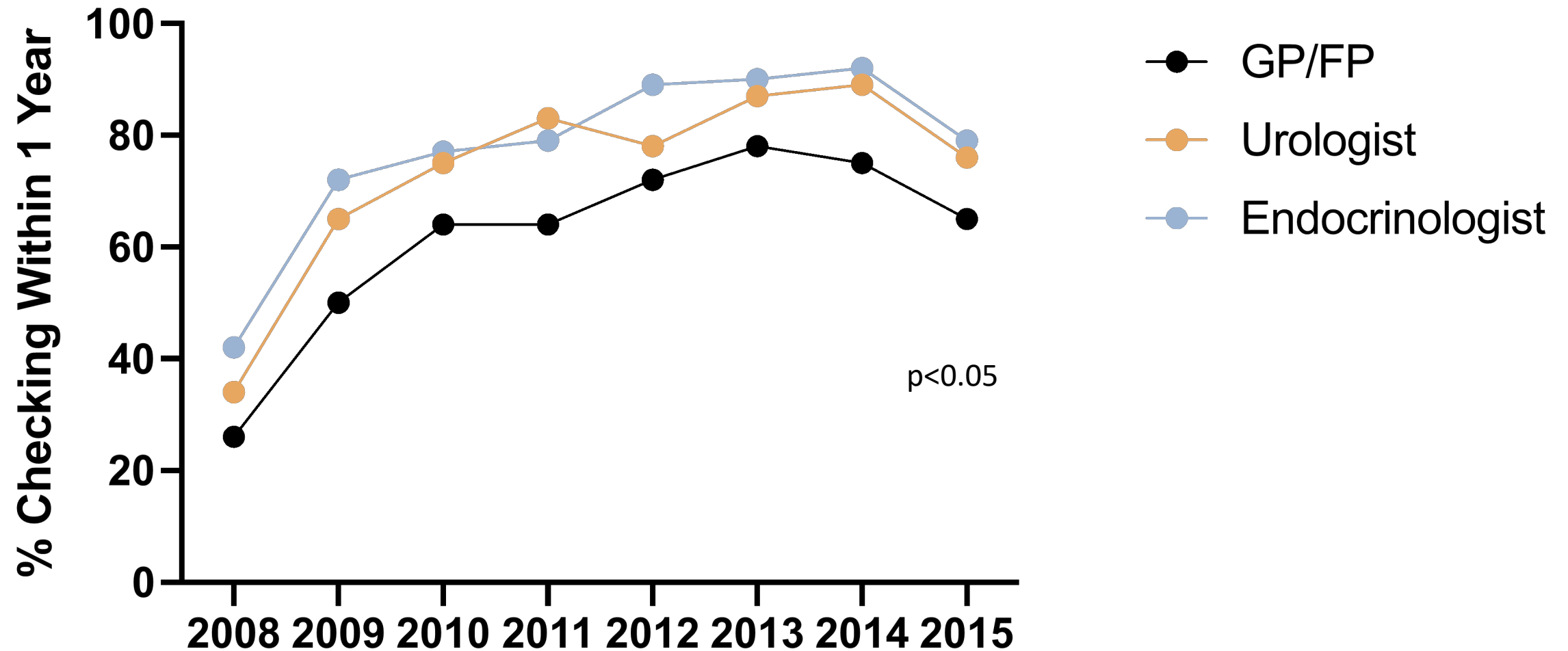
Adherence To Prescribing Guidelines Peaked in 2014



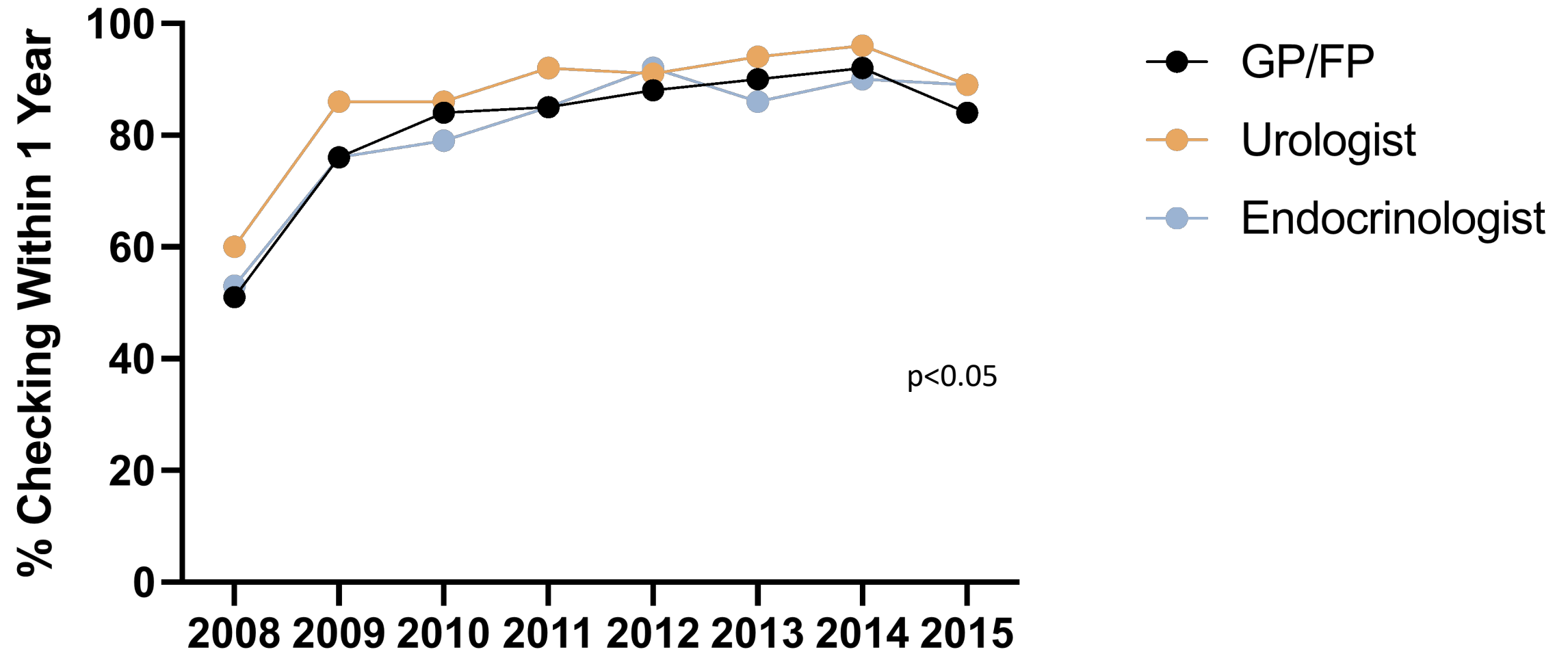
Urologists Were Most Likely To Adhere to Testosterone Therapy Guidelines



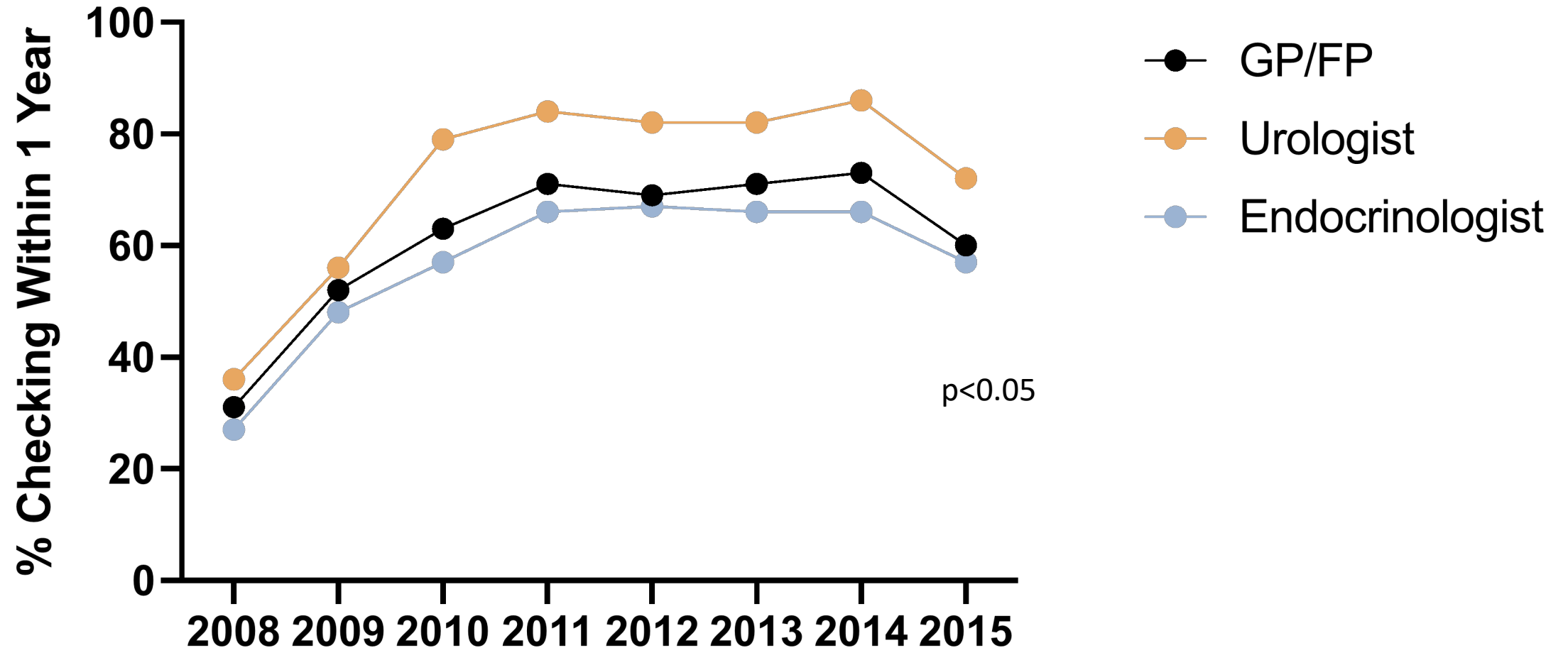
Serum Testosterone Levels Within 1 Year of a New Prescription



Serum Hemoglobin or Hematocrit Within 1 Year of a New Prescription



PSA Levels Within 1 Year of a New Prescription



Conclusions

- Testosterone Therapy prescriptions peaked in 2013 (2008-2015)
- The majority of patients on Testosterone Therapy are 66-70 years old
- The most common type of Testosterone Therapy is topical gels
- General Practitioners are the most common Testosterone Therapy prescribers
- Adherence to prescribing guidelines peaked in 2014
- Urologists were most likely to adhere to Testosterone Therapy guidelines