



Waived Testing Performance Data

from AAFP-PT

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AMERICAN ACADEMY OF
FAMILY PHYSICIANS

STRONG MEDICINE FOR AMERICA

The American Academy of Family Physicians

- Medical specialty organization
 - total membership 94,600
 - active membership 62,100
 - student membership 15,000
 - resident membership 9,800
- Founded in 1947
- Mission is to improve the health of patients, families and communities by serving the needs of members with professionalism and creativity.

AAFP-PT

- External quality control program started by the Academy in 1990
- Originally designed to assist AAFP members meet CLIA requirements
 - later expanded to non-members
- Primary audience is the POL
- Comprehensive program
- Approved by CMS and COLA

AAFP-PT (con't.)

- 12 hours CME credit/per year available for physicians and their laboratory personnel
- 3 shipments per year
 - March, June and October
- Technologically advanced, state-of-the-art online reporting and access system
 - NOTE: went from <10% online users to 65% in first year of implementation of new system (2008), currently have over 75% online users

Facts from AAFP

2008 Practice Profile Survey

- 92% of Family Physicians perform lab tests in their offices
- Family Physicians perform an average of 37 lab tests per day in their offices
- CLIA Classification
 - 60.2% waived
 - 15.5 % PPM
 - 20.6% moderate
 - 3.7% high

AAFP-PT FACTS

- AAFP-PT enrollment for 2009
 - 2650
- AAFP-PT subscribers performing waived tests only
 - 30%

Caveats to CDC Questions

- Yes, we have LOTS of data
- Not always in a format where specific information can be derived
- Research project would be necessary – AAFP-PT is not funded to support this

Summary of CDC Questions

- Trends in voluntary enrollment for waived testing
- Demographics for labs that perform only waived testing
- Changes in PT scores for waived tests over time
- ✓ • Comparison of scores for waived tests with non-waived tests using same sample
- ✓ • Comparison of group means and SD for waived and non-waived tests
- Is performance the same for waived vs non-waived labs for the same analyte

Waived Analytes Reviewed

(commonly ordered tests according to the
AAFP 2008 Practice Profile Survey)

- Cholesterol
- Protime
- Glucose (whole blood)
- Glycohemoglobin
- Urinalysis-specific gravity
- Urinalysis-pH
- Urinalysis-protein
- Urinalysis-glucose
- Urinalysis-ketones
- Urinalysis-bilirubin
- Urinalysis-urobilinogen
- Urinalysis-blood/hgb
- Urinalysis-leukocyte esterase
- Urinalysis-nitrite
- Urine hCG (preg)
- Strep antigen
- Infectious mono
- HIV antibody
- Fecal occult blood
- Viral antigen detection (influenza)

PT Performance

(AAFP 2009 A Event)

Analyte	N	% passing
Cholesterol	115	99%
Protime	122	91%
Glucose (whole blood)	683	99%
Glycohemoglobin	261	99%
Urinalysis – Spec Gravity	1293	91%
pH	1308	96%
Protein	1300	96%
Glucose	1303	99%
Ketones	1301	99%
Bilirubin	1278	99%

PT Performance

(AAFP-PT 2009 A Event)

Analyte	N	% passing
Urinalysis – Urobilinogen	1264	99%
Blood/hemoglobin	1309	99%
Leukocyte Esterase	1308	99%
Nitrite	1291	98%
Urine hCG	1076	99%
Strep antigen	779	91% ⁽¹⁾
Infectious Mono	319	99%
HIV antibody	95	96%
Fecal Occult Blood	757	98%
Viral Antigen (Flu)	156	95%

⁽¹⁾ If two poorly performing kits excluded: n= 476 & passing 98%

PT Performance

(AAFP-PT 2009 A Event)

	CV's	
Analyte	Waived	Non-waived
Hemoglobin	9.25 (5.74-29.08)	5.50 (1.18-6.93)
Glucose	15.61 ⁽¹⁾	7.4 (4.53-10.76)
Protime	9.81 (9.53-10.16)	10.68 ⁽²⁾ (9.8-13.11)
	% Correct	
Strep	91% (98% ⁽³⁾)	98.70%
Cholesterol	99%	96-99%
Glucose	99%	95-97%

- 1) Doesn't include fingerstick glucose meters
- 2) Doesn't include mod complex FS methods – only plasma methods
- 3) If two worst methods exluded, then is 98%

Final Thoughts

- A fair number of waived labs do PT – and perform quite well
 - Data does not imply that all labs performing waived testing have similar performance
 - Labs participating in PT may be more motivated towards quality
 - We assume that labs participating in PT get better at the process over time based on history
- Test quality is heterogeneous – some waived test methods perform better than some non-waived tests
 - Education regarding selection of quality test methods may improve patient test results



QUESTIONS?