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Success in APP Integration For the Urologic Team

Is there a need to integrate APPs in to Urologic Practice ?



Current Workforce Trends



Special Report From NIH 12/2005 65+ in the United States 2005



Note: The reference population for these data is the resident population.

Sources: 2000, U.S. Census Bureau, 2001, Table PCT12; 2010 to 2050, U.S. Census Bureau, 2004. For full citations, see references at end of chapter.



The Impending Shortage

TABLE 3.	Estimated Shortage of Surgeons by 2030					
Specialty	Surgeons Needed	Surgeons in Practice	Shortage	Percent Shortage		
OB-GYN	50,135	36,499	13,636	27.0%		
ENT	11,502	8986	2516	22.0%		
Ortho	23,660	19,305	4355	18.0%		
General	27,300	24,775	2525	9.0%		
Urology	12,048	8164	3884	32.0%		
Neuro	3858	3630	228	6.0%		
Thoracic	5169	3175	1994	39.0%		
	Total	133,672	104,534	29,138		

Williams et al Annals of Surgery • Volume 250, Number 4, October 2009





Decline in thoracic, urologic, and ophthalmologic surgeons per capita (1981-2009)

Raj S. Pruthi, Simon Neuwahl, Matthew E. Nielsen, Erin Fraher **Recent Trends in the Urology Workforce in the United States**Urology Volume 82, Issue 5 2013 987 – 994 http://dx.doi.org/10.1016/j.urology.2013.04.080



Aging Workforce: Urology

• Nearly 50% of Urologists are over the age of 55



Raj S. Pruthi, Simon Neuwahl, Matthew E. Nielsen, Erin Fraher Recent Trends in the Urology Workforce in the United States Urology Volume 82, Issue 5 2013 987 - 994



What are the Current Trends for APPs in Urology?



APPs in Urology

• AUA workforce survey 2013

- 62% partnered with NP/PAs
 - Highest among academics at 80%
 - Lowest among self-employed at 52%
- Estimated 8,000 APNs/PAs working in urology practices
 - 4,002 Physician Assistants
 - 3,338 Nurse Practitioners
 - 411 Clinical Nurse Specialists



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Urology Practice September 2017

Advanced Practice Providers in U.S. Urology: A National Survey of Demographics and Clinical Roles

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Survey Design

- 29-item, web-based survey, sent to:
 - American Urological Association (AUA)
 - Urological Association of Physician Assistants (UAPA)
 - Society of Urologic Nurses and Associates (SUNA)
- 296 APPs completed the survey, out of 1,347 email addresses
 - 22% response rate
 - List denominator inclusive of duplicates
- Analyses included descriptive statistics, nonparametric procedures (Kruskal-Wallis), and regression models.



Demographics	% Respondents (n=296)
Physician Assistants	38%
Male	40%
Female	60%
Nurse Practitioners	62%
Male	4%
Female	96%
Age, median	46 years
Years in Clinical Practice	
0 – 5 years	32%
6 – 10 years	20%
11 – 15 years	19%
> 15 years	30%
Years in Urology Practice	
0 – 5 years	41%
6 – 10 years	27%
11 – 15 years	16%
> 15 years	16%
Completed Post-Graduate Training in Urology	6%



Post-grad Training

• Only 6% reported participating in a formal post-graduate urologic training program, or "residency", although 75% were "likely" or "very-likely" to recommend this training to new graduates.



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Postgraduate Training Programs in Urology

- Rosalind Franklin University/Chicago Medical School
 - <u>http://www.nmuadocs.com/pa</u> (UNSURE IF STILL ACTIVE)
- UT Southwestern Medical Center
 - <u>http://www.utsouthwestern.edu/education/medical-school/departments/urology/education-training/residency-program/pa-postgrad.html</u>

Carolinas Healthcare System

- <u>http://www.carolinashealthcare.org/center-for-advanced-practice-urology</u>
- Emory University

http://www.urology.emory.edu/academic_programs/Residency%20-%20PAs.html

- USC
 - http://urology.keckmedicine.org/fellowship-programs/
- Mayo Clinic
 - http://academic.son.wisc.edu/studentnet/Job%20Posts/Mayo%20Clinic%20-%201.27.17.pdf

http://www.appap.org/







Practice Model	% Respondents		
	(n=296)		
Institutional Setting	46%		
University/Academic	18%		
Hospital employed (owned/inpatient only)	20%		
Government	8%		
Private	48%		
Solo Urologist	5%		
2-9 Urologists	25%		
>10 Urologists	16%		
Independent Practice	2%		
Other (Research, OR only, Surgical Center, other)	6%		
Practice Setting			
Rural	9%		
Suburban	38%		
Urban	53%		
Supervising Physician Age			
35 – 45 years	29%		
46 – 55 years	52%		
> 56 years	19%		



Practice Location by AUA Section

AUA Section	APP Distribution (%)	MD		
		Distribution* (%)		
Northeastern	4.9	4		
New England	5.2	5.8		
New York	9.6	8.4		
Mid-Atlantic	<u>4.3</u>	<u>10.3</u>		
Southeastern	19.6	21.3		
North Central	<u>23.6</u>	<u>17.8</u>		
South Central	15.4	13.7		
Western	17.1	18.8		

- 9% working in self-described rural locations
 - 2015 AUA Census = 2% of MDs work in rural locations



Percent Time Independent Practice

Visit Type	% of time spent in clinical setting	% of time working Independently
Ambulatory Clinic	73.4	74.2
Inpatient Care	9.4	30.3
Procedures	8.2	37.0
Administration	9	*



Practice Setting (Ambulatory, Inpatient, OR)

- Males spent 16% less time in clinic than females and were 8% more likely to spend time in the operative setting (P<0.001, <0.002 respectively).
- Those in rural practice spent 17% more time in clinic than urban practitioners, while those in suburban practice spent 9% more time in clinic than their urban colleagues (P= .01, .02 respectively).
- Geographic location, post-graduate training, APP age, practice model, and practice size did not have a significant impact on APP practice setting.



Integration Resources



Consensus statement





AUA Consensus Statement on

ADVANCED PRACTICE PROVIDERS



Consensus Statement on Advanced Practice Providers

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APP Checklist

1	APP's Degree or Certificate of Education reviewed and verified	
2	APP's State Licensure verified	
3	Medicare enrollment through Provider Employment, Chain, and Ownership System completed including Benefit Reassignment	
4	Prescribing privileges obtained from proper authorities	
5	Hospital privileges obtained for each applicable hospital	
6	Provider agreements with commercial insurers completed and signed	
7	Employment agreement negotiated and executed	
8	Memorandum of understanding on supervisory relationship reviewed and signed between supervisory physician and APP	
9	Rules pertaining to "incident to" billing reviewed with APP and supervising physicians	
10	State scope of practice regulations reviewed	
11	Announcement of employment provided to all referring physicians	
12	Verification of professional liability coverage	
13	Development of urology-specific training program and goals	
14	Discussion on how physicians and staff will address APPs in the office (first name, prefix, etc)	
15	Discussion on how patients will be introduced to APPs (Mr. Smith; our NP, Mr. Smith; etc)	



AUA Consensus Statement: Levels

1,2,3

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file:///C:/Users/Heather/Desktop/AUA-Consensus-Statement-Advanced-Practice-Providers-Full.pdf





Medicare Policy: "Incident-to"

- Physician perform initial service
 - Actively involved in course of treatment
- Physician must be immediately available
- Must be in physician's office
 - Hospital inpatient services do not qualify



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Urologic APP Education



New Cleveland Clinic modules auanet.org/university/app

American				The second se
Urological Association Education & Research, Inc.				f 👻 👗 Heather Schultz, NP
AUA University		Home	Education Search	Orders Core Curriculum Transcripts MOC
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Information Types				
Abstract Videos (Surgical Video Library)				
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Information Types Information Types Abstract Videos (Surgical Video Library) APNPA Modules Case Study Case Study Care Curriculum Guidelines, White Papers, Best Practice Statements Statements Journal of Vinology Live Courses	Educational Se APN/PA Modules AUA Advanced Practice Provider Core Curriculum: Penile Anomolies	AUA Advanced Practice Provider Core Curriculum: Testicular Neoplasm	AUA Advanced Provider Core Gu Premature Ejac	22 Records Returned Practice AUA Advanced Practice Provider Core Curriculum: Medical Treatment of Erectile

#	Topic
1	Neuropathic bladder
2	Hypogonadism (Testosterone)
3	OAB Syndrome - Evaluation & Management
4	Hematuria and Microhematuria
5	Screening Smarter for Prostate Cancer
6	Painful Bladder Syndrome and Interstitial Cystitis
7	STD's and Prostatitis
8	Urodynamics Basics
9	Clinically Insignificant Stone Fragments
10	Urological Emergencies
11	Benign Prostatic Hyperplasia
12	Female Incontinence*
13	Kidney Stones
14	Testicular mass
15	Premature Ejaculation
16	UTI/CAUTI
17	Medical treatment of erectile dysfunction
18	Penile anomalies



Urologic APP Education



(Accreditation Council for Graduate Medical Education [ACGME]

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Certification in Urology

• CBUNA certification through SUNA APPs in urology at least 2 years



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Meetings



APP Education Meeting

- Western Section meeting
- SUNA Annual meeting
- UAPA Annual meeting
- AUA annual meeting 2017 Free day ½ program

- 177 APP participants



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What are the trends with APPs and Procedures?



Independent Performance of Procedures

	Percentage APPs Performing Procedure
High Complexity	
Cystoscopy: Diagnostic or Cancer Surveillance	8
Transrectal Ultrasound: Biopsy	6
Xiaflex Injections	3
Circumcision	2
Cystoscopy: Bladder/Prostate Botox Injection	2
Cystoscopy: Bladder Biopsy	2
Vasectomy	1



Independent Performance of Procedures

		Percentage APPs Performing Procedure
High Complexity	Intermediate Complexity	
Cystoscopy: Diagnos	Percutaneous Tibial Nerve Stimulation	31
Transrectal Ultrasou	LHRH Antagonist Insertion	28
Xiaflex Injections	Priapism Injection Treatment	21
Circumcision	Cystoscopy for Stent Removal	18
Cystoscopy: Bladder,	Implant Insertion (e.g. Testopel, Vantas)	18
Cystoscopy: Bladder	Aspirate Hydrocele	13
Vasectomy	Cystoscopy for Difficult Catheter Placement	12
	Ultrasound: Renal	6
	Ultrasound: Transrectal (without biopsy)	6
	Ultrasound: Scrotal	4
	Ultrasound: Penile Doppler	4



Independent Performance of Procedures

					Percentage APPs Performing Procedure
High Complexity	Intermediate Complexity	Low Complexity			
Cystoscopy: Diagno	Percutaneous Tibial Nerve	Bladder Installation	ons		56
Transrectal Ultraso	LHRH Antagonist Insertion	Intracavernosal Ir	jections for Erec	tile	43
Xiaflex Injections	Priapism Injection Treatm	Dysfunction			
Circumcision	Cystoscopy for Stent Remo	Urodynamics Inte	rpretation		36
Cystoscopy: Bladde	Implant Insertion (e.g. Tes	Urodynamics (Pla	ce catheters and	perform test)	31
Cystoscopy: Bladde	Aspirate Hydrocele				
Vasectomy	Cystoscopy for Difficult Ca	Chemotherapy In	jections		29
	Ultrasound: Renal	Neuromodulatior	with Interstim	Programming	27
	Ultrasound: Transrectal (w	Pelvic Floor Musc	le Rehabilitatior	n +/-	26
	Ultrasound: Scrotal	biofeedback			
	Ultrasound: Penile Dopple	er	4		



Procedures

- APPs in private practice were significantly less likely to perform moderate/high complexity procedures independently compared to those in academic practice (OR: 0.45 [0.23, 0.89]).
- Geographically, those in the AUA Northeast Section were less likely to perform moderate/high complexity procedures independently (OR: 0.26 [0.05, 1.395]), but this did not reach statistical significance



THE UNIVERSITY of NORTH CAROLINA at Chapel Hill The Expanding Role of Advanced Practice Providers in Urologic Procedural Care

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Urology (Gold Journal) 2017, ePub.



Study Design

- Medicare Physician Supplier Procedure Summary (PSPS) Master Files from 1994 through 2013 from CMS were linked to common urologic procedure codes. (CPT)
- PSPS Master Files include all claims for all beneficiaries in the traditional Medicare fee-for-service program, which currently represents approximately 71% of all Medicare medical insurance enrollees
- Queries were performed for procedures performed by APPs











How to integrate APP in to procedures



Questions to keep in mind

- 1. Is this part of my practice agreement with my supervising/collaborating physician?
- 2. Does the state and practice I work in allow me to perform procedures?
- 3. If I am allowed is there any training/tracking of progress that is required by either my state or practice?
- 4. Do I work in a supportive environment that will be willing to teach the skill?
- 5. How would I incorporate this skill into my practice and is there a need?
- 6. What does reimbursement look like



Procedural Training

- Fellowships
- SUNA annual meeting
- UAPA annual meeting
- AUA annual meeting



Other Resources for Urologic Team



Urology Place Blog New 2017



http://community.auanet.org/home



APP Integration Course AUA

- O05IC: Successful Integration of Advanced Practice Nurses and Physician Assistants into Urology Practice
 - Friday, May 12th



Future APP Development AUA

- Hands on Course Development
- Section Involvement
- APP involvement on AUA committees
- APP Novice Certificate Program



APP Plenary Session 2018 AUA



Questions?



