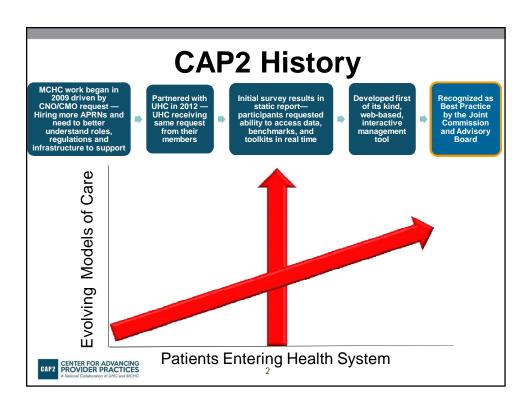


# **Advancing Provider Practices:** The CAP2 Project and Database





Building Effective Provider Teams

Goals of CAP2: To optimize the practice of APRNs (nurse practitioners, midwives, and nurse anesthetists) and PAs to reduce costs and improve patient outcomes and experience, and improve organizational process

### Goals are achieved by educating key stakeholders on:

- 1. Today's reality what your practice is and how it compares to your competitors
- 2. Scope of practice laws.. What practice is able to look like consistent with law
- 3. How to expand current practice and remain within the law
- 4. How to streamline practice and privileging processes
- 5. How to build the structure to insure integration, optimization and satisfaction for all



3

# Introducing CAP2



### What does CAP2 Provide

- 1. Comparator Data-Base to evaluate your organization & your health system against others in your state and against the full database
- 2. Tools to assist in the management of APRNs / PAs including:
  - 1. HR tools job descriptions, onboarding, evaluation tools, salary data, recruiting tools, job posting guidelines, interview process guidelines, orientation checklist
  - 2. Billing and Reimbursement audit to assess billing processes/practices
  - Privileging and Credentialing sample privilege lists for 50 specialties, credentialing checklists, sample process for adding privileges
  - 4. Competency Assessment assessing and standardizing APRN and PA scope of practice as appropriate
- 3. CAP2 Solutions National Workgroups, National List-serve





# What is Assessed Through the Database?

- Organizational Assessment
  - Number of beds
  - Type of controls (faith based, county, public district, state funded, large system, governmental org)
  - Does your org employ APRNs? ... PAs?
  - How is compensation determined?
  - How is competency assessed?
  - How is productivity tracked?
  - Billing and reimbursement processes
  - Ftc...
- Core and Specialty Practice privileging process and what is being privileged
- The system has moved into the ambulatory arena in November of 2014



5

### Who is in the CAP2 Database?

- Data represents:
  - 125 organizations (hospitals, healthcare systems, academic medical centers)
  - Over 19,000 APRNs and PAs
  - 25 different states

- 50 different specialty areas

And growing





		(	CAP2 Databas	Holy Mary Mother of God -Health Car System					
Specialty	Practitioner	# Hospitals	# Practitioners	Avg / Hospital	# Hospitals	# Practitioners	Avg / Hospit		
Internal Medicine	APRN	94	924	9.83	2	16	8.00		
Anesthesia	APRN	113	3640	32.21	3	20	6.67		
Cardiology	APRN	90	692	7.69	2	8	4.00		
Education	APRN	38	141	3.71	1	4	4.00		
Intensive Care	APRN	75	666	8.88	3	6	2.00		
Emergency Medicine	APRN	88	491	5.58	4	8	2.00		
Hematology/Oncology/Bone Marrow	APRN	75	885	11.80	1	1	1.00		
Cardiovascular Surgery	APRN	67	330	4.93	2	2	1.00		
Endocrinology	APRN	53	144	2.72	1	1	1.00		
Neurology	APRN	73	193	2.64	1	1	1.00		
Gastroenterology/ Endoscopy/Hepatology	APRN	61	159	2.61	2	2	1.00		
Geriatrics	APRN	48	105	2.19	3	3	1.00		
Breast Health	APRN	33	64	1.94	1	1	1.00		
Infectious Disease	APRN	47	83	1.77	1	1	1.00		
Electrophysiology	APRN	32	43	1.34	1	1	1.00		
Neonatal	APRN	60	565	9.42	0	0	0.00		
Family Medicine	APRN	78	449	5.76	0	0	0.00		
Neurosurgery	APRN	73	315	4.32	1	0	0.00		
Colon/Rectal Surgery	APRN	25	48	1.92	0	0	0.00		
Allergy/Immunology	APRN	25	45	1.80	0	0	0.00		
Genetics, Birth Defects & Metabolism	APRN	13	22	1.69	0	0	0.00		
Bariatric Surgery	APRN	30	40	1.33	0	0	0.00		
Dermatology	APRN	25	31	1.24	0	0	0.00		
Burns	APRN	24	21	0.88	0	0	0.00		
Inflammatory Bowel Disease	APRN	18	14	0.78	0	0	0.00		

ldenti		<b>u</b>	_			· · · · · · · · · · · · · · · · · · ·					
			Но	ly Ma	ry Mo	ther o	f God	Health	Care	Syste	m
	CAP2 Da	ntabase	tal A	tal B	alC	alD	tal E	talF	talG	talH	ital
APRN Core Privilege List	# Hospitals Privileging APRNs	% of Total (n*=112)	Hospital A	Hospital B	Hospital C	Hospital D	Hospital I	Hospital F	Hospital G	Hospital H	Hospital I
Write admission orders	77	69%	N	Υ	Υ	N	Υ	N	Υ	N	N
Write discharge orders	85	76%	N	Υ	Υ	N	Υ	Υ	Υ	N	N
Write transfer orders	74	66%	Υ	Υ	Υ	N	N	Υ	Υ	N	N
Obtain history and physical	101	90%	Υ	Υ	Υ	N	Υ	Υ	Υ	N	N
Order and interpret diagnostic testing and therapeutic modalities	103	92%	Υ	Υ	Υ	N	Υ	N	Υ	Υ	N
Order and perform referrals and consults	90	80%	Υ	Υ	N	N	N	Υ	Υ	Υ	N
Order blood and blood products	82	73%	Υ	Υ	Υ	N	N	N	Υ	N	N
Order and manage conscious sedation	95	85%	Υ	Υ	Υ	N	Υ	N	Υ	Υ	N
Order inpatient non-scheduled medications	83	74%	Υ	Υ	N	N	Υ	N	Υ	N	N
Order inpatient scheduled (II-V) medications	39	35%	N	Υ	Υ	N	N	N	Υ	Υ	N
Order topical anesthesia	81	72%	N	Υ	Υ	N	N	N	Υ	Υ	N
Prescribe outpatient non-scheduled medications	85	76%	Υ	Υ	Υ	N	N	N	Υ	Υ	N
Prescribe outpatient scheduled (II-V) medications	73	65%	Υ	Υ	N	N	N	N	N	N	N
Incision and drainage with or without packing	74	66%	Υ	Υ	N	N	Υ	N	Υ	Υ	N
Other	12	11%	N	Υ	N	N	Υ	N	Υ	N	N

					Holy Mary Mother of God Health Care System									
	CAP2 Database			CAP2 Database		alB	al C	al D	alE	tal F	al G	аH	tall	
APRN Core Privilege List	# Hospitals Privileging PAs	% of Total (n*=112)	HospitalA	HospitalB	Hospital (	Hospital D	HospitalE	Hospital I	Hospital (	Hospital H	Hospital I			
Write admission orders	77	69%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Write discharge orders	85	76%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Write transfer orders	74	66%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Obtain history and physical	101	90%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Order and interpret diagnostic testing and therapeutic modalities	103	92%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Order and perform referrals and consults	90	80%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Order blood and blood products	82	73%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Order inpatient non-schedule medications	95	85%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Order inpatient schedule (II-V) medications	83	74%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Order conscious sedation	39	35%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Order topical anesthesia	81	72%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Prescribes outpatient non-schedule medications	85	76%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Prescribes outpatient schedule (II-V) medications	73	65%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
Incision and drainage with or without packing	74	66%	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			

Specialty			Academic Cen	: Medical ters	Northwest General Hospital	Suburban General Hospital	Urban City Hospital	Western County General
Specialty	Privilege	Practitioner	# Hospitals	% of Total	Privilege	Privilege	Privilege	Privilege
Emergency Medicine	Anterior nasal cautery	APRN	23	43.40%	Υ	N	N	Υ
Emergency Medicine	Anterior nasal pack epistaxis	APRN	28	52.83%	Υ	N	Υ	Υ
Emergency Medicine	Arterial line insertion and removal	APRN	13	24.53%	Υ	N	N	Υ
Emergency Medicine	Arterial puncture	APRN	20	37.74%	Υ	N	N	Υ
Emergency Medicine	Athrocentesis	APRN	12	22.64%	N	N	N	Υ
Emergency Medicine	Central line insertion and removal	APRN	13	24.53%	Υ	N	N	Υ
Emergency Medicine	Digital block	APRN	27	50.94%	Υ	N	Υ	N
Emergency Medicine	Foreign object removal (eyelid)	APRN	27	50.94%	N	N	N	Υ
Emergency Medicine	G tubes, j tubes, small bowel tubes and cecostomy tubes insertion and removal	APRN	12	22.64%	N	N	N	Υ
Emergency Medicine	Gynecological exams, including Pap smears	APRN	26	49.06%	Υ	N	N	N
Emergency Medicine	Immobilization/splinting/reduction of simple fractures	APRN	33	62.26%	Y	N	Y	Υ
Emergency Medicine	Intraosseous needle insertion	APRN	17	32.08%	Υ	N	N	Υ
Emergency Medicine	Joint Aspiration	APRN	21	39.62%	N	N	N	Υ

### Remember...

- · Laws and regulations can be changed at the national and state level, but privileges are granted at the organizational level.
- CAP2 data illuminates variation (barriers) and can drive optimization (top of license).



11

### **RN Activities Not Requiring Privileges**

Are you privileging APRNs for clinical "tasks" that any RN can perform based on state licensure for a registered nurse??



CENTER FOR ADVANCING PROVIDER PRACTICES

CAP2 Solution							
Activity	CAP2 Database	Illinois					
Application & removal of casts, braces, or splints	46 %	33%					
Clinical breast exam	18%	8%					
Compression wrap for venous disease	14%	8%					
Conduct nursing research and participate in interdisciplinary research	21%	25%					
Conduct preventative screening procedures	24%	19%					
Develop and implement a client education plan	25%	27%					
Drain management	28%	21%					
Initial care of newborn and assessment	28%	19%					
Initiate ACLS to include defibrillation/cardioversion	30%	25%					
Initiate BLS (CPR)	30%	21%					
Initiate Neonatal ACLS	26%	17%					
Performs waived tests (rapid strep, urine dip, blood glucose, etc.)	18%	17%					
Placement of synthetic or biological dressings	14%	8%					
Removal of casts	34%	23%					
Removal of pleural chest tube	28%	21%					
Removal of venous access	24%	19%					
Update & record changes in health status	32%	33%					
CAP2 CENTER FOR ADVANCING PROVIDER PRACTICES A Mational Collaboration of UHC and MCHC							

## **CAP2 CASE STUDIES**



### • Challenge:

Organization wanted to hire an APRN into psychiatry to support behavioral health patients and needed to know the prevalence of this type of role for a medical executive committee meeting...the next day.



10

### **CAP2 Solution**

Specialty			CAP2 Database	•	Holy Mary Mo	ther of God Hosp	ital Healthcare
Specialty	Practitioner	# Hospitals	# Practitioners	Avg / Hospital	# Hospitals	# Practitioners	Avg / Hospital
Nurse Midwives	APRN	69	485	7.03	2	6	3.00
Obstetrics & Gynecology/Women's Health	APRN	85	468	5.51	4	15	3.75
Occupational Health	APRN	43	77	1.79	0	0	0.00
Ophthalmology	APRN	7	8	1.14	2	4	2.00
Orthopedics	APRN	69	254	3.68	0	0	0.00
Otolaryngology	APRN	37	79	2.14	1	1	1.00
Pain management, Acute or Chronic	APRN	55	108	1.96	0	0	0.00
Palliative Care	APRN	73	190	2.60	1	1	1.00
Pediatrics (General)	APRN	61	374	6.13	1	2	2.00
Physical Medicine & Rehabilitation	APRN	41	82	2.00	1	1	1.00
Plastic & Reconstructive Surgery	APRN	38	55	1.45	3	8	2.67
Prostate	APRN	18	23	1.28	2	5	2.50
Psychiatry	APRN	62	234	3.77	1	2	2.00
Pulmonary	APRN	68	144	2.12	2	4	2.00
Radiology (General), nuclear, Interventional	APRN	49	113	2.31	0	0	0.00
Renal/Nephrology	APRN	47	117	2.49	3	6	2.00
Rheumatology	APRN	25	35	1.40	0	0	0.00
Surgery (General)	APRN	77	366	4.75	3	10	3.33
Transplant (Surgery)	APRN	38	142	3.74	0	0	0.00
Transport	APRN	8	8	1.00	1	3	3.00
Urogynecology	APRN	33	32	0.97	0	0	0.00
Urology	APRN	63	162	2.57	1	2	2.00
Vascular Surgery	APRN	50	78	1.56	1	1	1.00
Wound/Ostomy	APRN	48	52	1.08	1	1	1.00

CAP2 CENTER FOR ADVANCING PROVIDER PRACTICES
A National Collaboration of UHC and MCHC

### • Challenge:

Organization concerned about lack of anesthesia coverage across the system





17

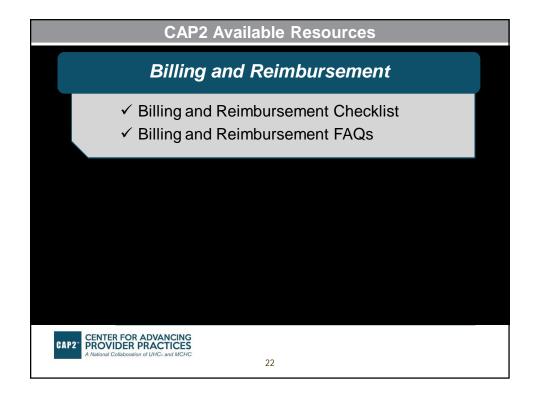
### **CAP2 Solution** General Hospital Healthcare City lospita Specialty-Anesthesia CAP2 Database als % of Total 75.00% Privilege Airway management techniques % of Total # Hospitals % of Total 74.40% 49 73.13% Appropriate invasive monitoring modalities selection, application and insertion APRN 84 67.20% 59.70% 25.00% Ν Ν Υ 54.40% 41.79% 25.00% APRN 68 N Arterial line insertion and removal N N 48.80% APRN 61 26 38.81% 50.00% N N Central line insertion and removal Emergency/ancillary drugs and fluids to maintain physiological homeostasis and to prevent or treat emergencies during the preanesthesia period administration 66.40% 70.15% 75.00% General anesthesia and adjuvant drugs 73.13% Υ APRN 72.00% 50.00% Ν Ν 90 49 administration General anesthesia or monitored sedation APRN 74.40% 74.63% 75.00% regional anesthesia administration and 50 monitoring Indwelling epidural catheters insertion, 50.75% 50.00% Ν APRN 65 52.00% 34 reposition and removal 75.00% Υ Mechanical ventilation/oxygen therapy 62.40% 59.70% Moderate/procedural sedation APRN 84 67.20% 41 61.19% 25.00% N Ν Monitor anesthesia care and patient operated under nerve block 70.40% 70.15% 75.00% Υ APRN 17.91% Υ Pulmonary artery catheters placement 27.20% 25.00% Radial arterial lines insertion and removal APRN 56 44.80% 26 38.81% 50.00% N N Υ Regional anesthesia techniques APRN 59.20% 59.70% 25.00% N TEE probe under the direct supervision of an 51.20% 47.76%

Showed significant variation in utilization of CRNAs throughout the system; CNO identified opportunity to support anesthesia gaps with CRNAs.



### **CAP2 Solution Privilege Report - Sedation** Database Practitioner % of Total # Hospitals % of Total Specialty Area Privilege # Hospitals Core Privilege Order conscious sedation APRN 45 70.31% 93 74.40% Core Privilege Order conscious sedation 38 59.38% 84 67.20% General anesthesia or monitored sedation, regional APRN Anesthesia 47 73.44% 93 74.40% anesthesia administration and monitoring APRN 40 62.50% 84 67.20% Anesthesia Moderate/procedural sedation General anesthesia or monitored sedation, regional PA 0 0.00% 5 4.00% anesthesia administration and monitoring Anesthesia Moderate/procedural sedation PA 0 0.00% 11 8.80% Emergency Medicine Moderate/procedural sedation APRN 10.94% 21 16.80% 12.50% 24 19.20% Emergency Medicine Moderate/procedural sedation PA 8 Neurosurgery Moderate/procedural sedation APRN 2 3.12% 15 12.00% Sedation administration for invasive or bedside Neurosurgery APRN 1 1.56% 3.20% surgical procedures Neurosurgery Moderate/procedural sedation PA 1.56% 7.20% Sedation administration for invasive or bedside Neurosurgery PA 1 1.56% 4 3.20% surgical procedures Plastic and Conscious sedation APRN 3.12% Reconstructive Surgery Plastic and Conscious sedation 2 40% Reconstructive Surgery This data was sent to the Illinois Hospital Association within 2 hours of request. CAP2 CENTER FOR ADVANCING PROVIDER PRACTICES





### **CAP2 Solution**

 These CMS guidelines were emailed immediately to organization

Reimbursement for **APRN Services** 

CMS Manual System	Department of Health & Human Services (DHHS)
Pub 100-04 Medicare Claims Processing	Centers for Medicare & Medicaid Services (CMS)
Transmittal 1168	Date: JANUARY 26, 2007
	Change Request 5221

SUBJECT: Direct Billing and Payment for Non-Physician Practitioner Services Furnished to Hospital Inpatients and Outpatients

I. SUMMARY OF CHANGES: The intent of the change to this instruction is to clarify policy on how the professional services of nurse practitioners (NPs), clinical nurse specialists (CNSs) and physician assistants (PAs) should be billed to Medicare when furnished to hospital patients (inpatients and outpatients). Accordingly, a paragraph containing outdated and erroneous policy that requires hospitals to bill for NP and CNS professional services will be removed.

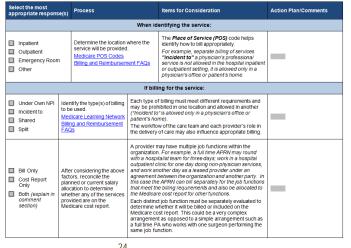
New / Revised Material Effective Date: April 26, 2007 Implementation Date: April 26, 2007



23 Health Management Associates

### **Another CAP2 Solution**

One organization captured over \$200,000 in revenue by auditing current practices.



CENTER FOR ADVANCING PROVIDER PRACTICES

• Challenge:

**Organization considering adding Advanced Practitioner to Medical Staff Credentialing** 

Committee

— needed prevalence and role description.





### • Challenge:

Organization received a finding during Joint Commission survey regarding effectiveness of their OPPE/FPPE for APRNs and PAs required to develop a written action plan within 45 days.

Joint Commission suggested they call us.







27

### **CAP2 Solution** CENTER FOR ADVANCING PROVIDER PRACTICES APRN/PA Direct Observation Review Form for Focused Review APRN/PA Name: Specialty Review Venue: Patient Care Area Simulation Lab Medical Record No.: Core Competency Evaluation Criteria No N/A\* Comments Effective communication with care team before procedure Patient Care Procedure was clinically indicated Medical Clinical Knowledge Discussion with patient and family was appropriate Informed consent received (elements listed) Practice-Based Learning and Improvement Proposed technique appropriate, including appropriate infection control measures Time out/checklist completed Knowledge and use of equipment appropriate Complications identified and resolved appropriately Systems-Based Practice Patient/family questions answered and education complete Procedure completed successfully If not applicable, please comment why Practitioner displayed overall competency in the execution of this core/specialty procedure. Yes $\ \square$ No $\ \square$ Reviewer Signature: Date of Review ©2014, CAP2™, UHC® and MCHC. All rights reserved. CENTER FOR ADVANCING PROVIDER PRACTICES 28

# Additionally CAP2 Resources Can Be Used to:

- Develop a consistent approach to:
  - Standardizing the APRN and PA performance review processes consistent with JC requirements
  - Standardizing and improving Job Descriptions
  - Streamlining and standardizing the job posting/recruitment processes, interview processes, hiring, onboarding/ orientation processes
  - Clarifying job expectations for ARNPs, PAs, Physicians, and administrators
  - Improving and standardizing compensation strategies through the use of comparator data



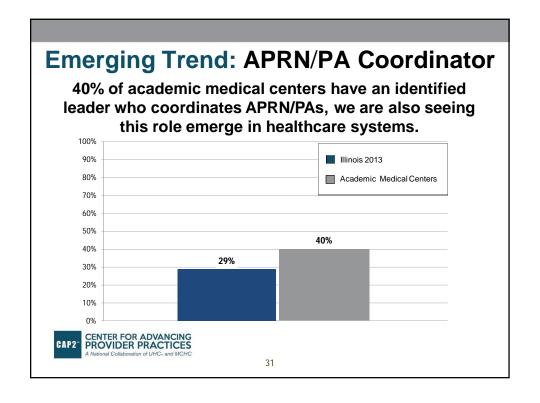
29

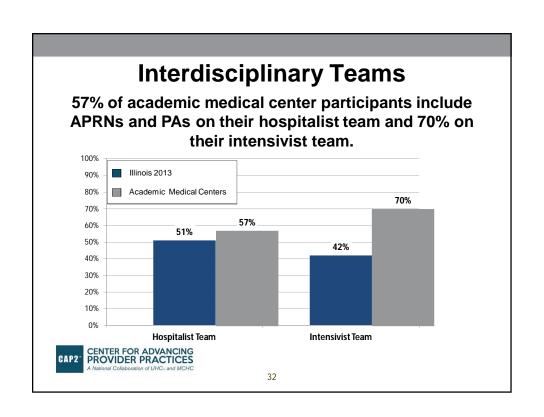


### **CAP2 EMERGING TRENDS:**

- USE OF AN APRN / PA COORDINATOR
- USE OF APRNS / PAS AS PART OF THE FORMAL INTERDISCIPLINARY TEAM
- USE OF CAP2 DATABASE IN AMBULATORY CARE







### **Ambulatory Survey**

**Coming November 2014** 

- Models of Care
   (primary care; medical and surgical specialties)
  - Patient type
     Compensation practices
  - Panel size/case load
     Reporting structures
  - Productivity expectations Billing practices
- Advance Practice Leader
- Onboarding/Orientation
- · Governance and committee involvement
- Other practice settings



33

### **Partners Supporting CAP2**

- NWONE
- American Academy of Nurse Anesthetists
- American Academy of Physician Assistants
- The Joint Commission
- Robert Wood Johnson Foundation
- Hospital associations
- Large health systems





