

## A description of required NAPLEX preparation courses among US pharmacy programs

Sarah A. Spinler, PharmD, FCCP, FAHA, FSHP, AACC, Binghamton University School of Pharmacy and Pharmaceutical Sciences

Michael P. Kelsch, PharmD, North Dakota State University School of Pharmacy

Lisa Lebovitz, JD, MS, University of Maryland School of Pharmacy

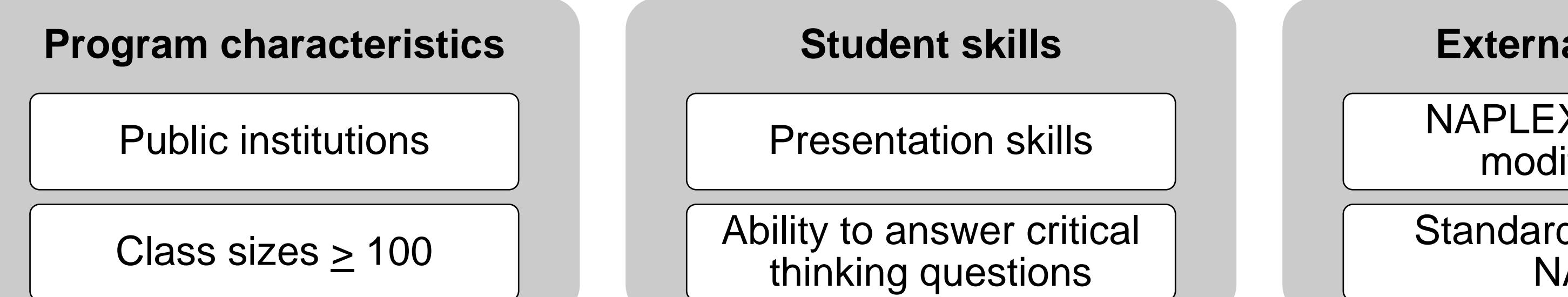
Diana M. Sobieraj, PharmD, FCCP, University of Connecticut School of Pharmacy

Aleda M. H. Chen, PharmD, PhD, FAPhA, Cedarville University School of Pharmacy

### Background

#### North American Pharmacist Licensure Examination (NAPLEX)

- One of the final assessments that pharmacy graduates must pass before being able to practice<sup>1</sup>
- Many factors can impact success:<sup>1-3</sup>



#### NAPLEX Preparation Programs

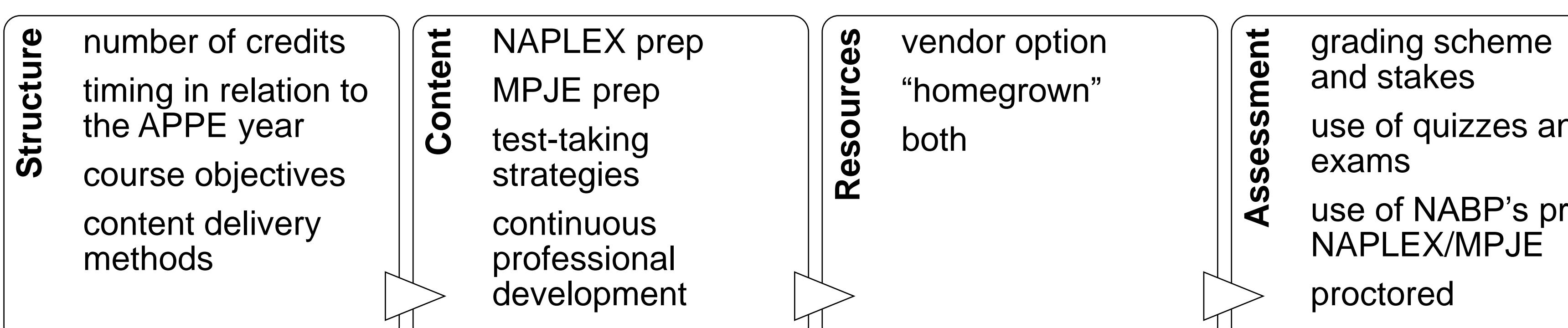
- Given the decline in pass rates nationally over the past few years, **programs are making significant investments of time and money in NAPLEX preparation**.
- Programs may be “teaching to the test”<sup>4</sup> by administering diagnostic tests to track student knowledge progression<sup>5</sup> or purchasing NAPLEX prep courses or books from external vendors.<sup>6-7</sup>
- However, it is uncertain whether they positively impact pass rates<sup>4</sup>; some have posited that questions in the books may not follow best practices.<sup>8</sup>
- Even remediating students to address NAPLEX readiness is not necessarily effective.<sup>9</sup>

### Objective

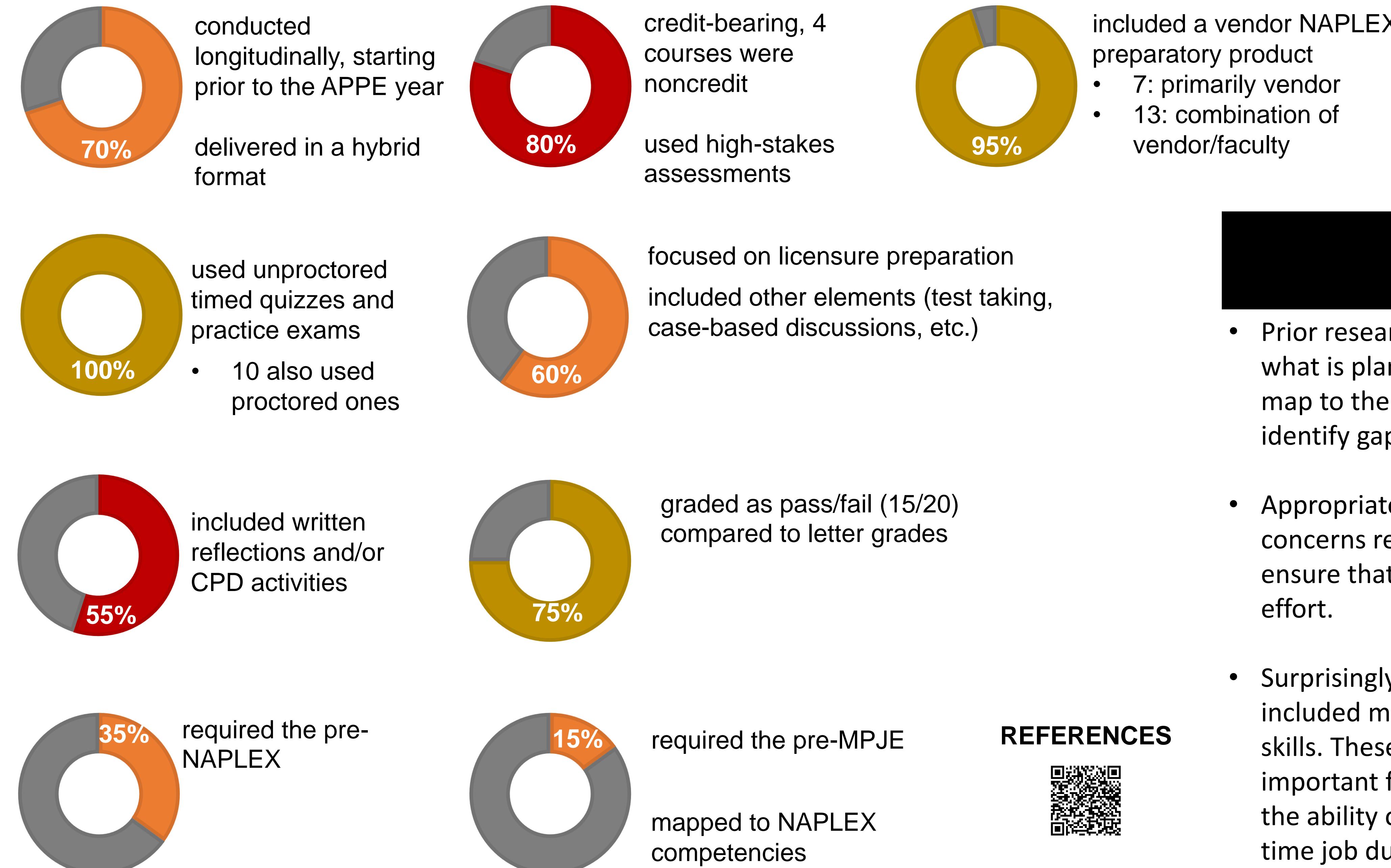
To characterize the structure and content of required NAPLEX preparation courses.

### Methods

A survey on NAPLEX preparation practices was developed and distributed to a national panel of respondents from all ACPE-accredited pharmacy schools. NAPLEX/MPJE prep course syllabi were collected. These were reviewed and summarized in a data collection table that identified four elements:



#### NAPLEX PREP COURSES, BY THE NUMBERS



### Results

Characteristic	Respondent Data (N=20)			National Data (N=144)		
	Private N	Public N	Total N	Private N	Public N	Total N
<b>0-6 program</b>	1	1	2	7	2	9
Midwest			2			2
Northeast		1	1	5	2	7
<b>3-year accelerated</b>	3	3	17	2	2	19
Midwest			2			2
Northeast			2			2
South	3		3	7	1	8
West			6	1	7	
<b>4-year program</b>	8	8	16	50	67	117
Midwest	3	1	4	9	19	28
Northeast	3	1	4	11	5	16
South	2	4	6	18	30	48
West	2	2	2	9	13	22
International			1	1	1	1
<b>Combination Program (3-year and 4-year)</b>				1	1	1
Northeast				1	1	1
<b>Grand Total</b>	11	9	20	73	71	144

### Implications

- Prior research has found utility in curricular mapping to ensure the intended curriculum (i.e., what is planned) is actually what is learned. Surprisingly, most syllabi in this study did not map to the NAPLEX competencies despite their stated purpose. Mapping would help to identify gaps and ensure a more comprehensive prep course.
- Appropriately, most NAPLEX preparation courses awarded credit. Given recent academy-wide concerns regarding curricular overload and faculty and student workload, it is important to ensure that students earn credit hours and faculty are acknowledged for their teaching effort.
- Surprisingly, NAPLEX preparation courses were not just about passing the NAPLEX and included many other concepts such as professional identity formation and job preparation skills. These skills may not be explicitly taught in the experiential curriculum yet are important for pharmacy graduates to be successful. This could raise some concerns about the ability of students to manage didactic learning while often having the equivalent of a full-time job during APPE rotations.

