



AMERICAN INSTITUTE OF THE HISTORY OF PHARMACY

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This slide presentation was compiled and produced by Robert McCarthy, Ph.D., Professor and Dean *Emeritus* at the University of Connecticut School of Pharmacy for his class “The History of American Pharmacy.” Prof. McCarthy created this version of the slide talk for his class in the Spring of 2016.

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PHRX 4001W-002
The History of American Pharmacy
Spring 2016

PHARMACY IN THE 21ST CENTURY

PHARMACY IN THE 21ST CENTURY

- ✖ As we have seen during the course of this semester, pharmacy in the United States has undergone dramatic change over the last more than 200 years.
- ✖ We are now into the second decade of the 21st century, yet many questions remain about the future of pharmacy as the current century continues to unfold.

MEDICATION THERAPY MANAGEMENT

- ✖ Will pharmacists attain status as providers?
- ✖ Will MTM truly become the standard of practice?
- ✖ How will the scope of practice for pharmacists change? Will medication prescribing and monitoring become the sole responsibility of pharmacists?
- ✖ Will there be a third class of drugs nationally, so-called pharmacists-only medications?

PATIENT EXPECTATIONS

- ✖ Patients still do not fully appreciate the potential contributions of pharmacists to their care; though they see us as honest and trustworthy, will they ever see us as capable of completely managing their medications?
- ✖ How might pharmacists “market” their capabilities to patients?
- ✖ What will ultimately alter the public’s perception of pharmacists?
- ✖ Will some formerly “popular” drugs make a reappearance through more selective use?

PHARMACISTS

- ✖ Will the gender shift in pharmacy continue?
- ✖ Will there be a greater number of underrepresented groups entering the profession?
- ✖ Will there be multiple classes of pharmacists with different licensure requirements and scopes of practice?

TECHNICIANS

- ✖ Will all pharmacy technicians, regardless of practice setting, be required to complete an educational program and be licensed by the board of pharmacy?
- ✖ Will all technicians be able to dispense prescribed medications that are not checked for accuracy by a pharmacist?
- ✖ Will technicians routinely serve on boards of pharmacy?

PHARMACY EDUCATION/TRAINING

- ✖ Will there be a baccalaureate requirement to enter pharmacy school?
- ✖ Will PGY-1 residency training be required for licensure?
- ✖ Will all healthcare professionals be educated/trained interprofessionally?
- ✖ Will distance and on-line pharmacy degree programs become the standard method of educating pharmacists?
- ✖ Will technicians' educational programs be housed in a school of pharmacy?
- ✖ Will pharmacists be required to meet re-licensure requirements?

COMMUNITY PRACTICE

- ✖ Is office practice the wave of the future in community pharmacy?
- ✖ Will ABM (appointment-based model) work?
- ✖ Will there be centralized filling of all chronic prescriptions?
- ✖ Will there be one-stop shopping for all consumer needs, health and otherwise?
- ✖ Is there still a future for independent community pharmacy?

INSTITUTIONAL PRACTICE

- ✖ What role will hospital pharmacists play in the continuum of care?
- ✖ How will hospital pharmacy practice change with the evolution of interprofessional care?
- ✖ Will the growth of outpatient hospital pharmacy practice outpace that of inpatient practice?

TECHNOLOGY

- ✖ Will electronic patient records (including medication records) become standard and effective (interoperability) as has been planned?
- ✖ How will robotics impact drug distribution?
- ✖ How will technology impact the daily interaction between patient and pharmacist?

PHARMACEUTICAL INDUSTRY

- ✘ How will the industry address the ever-increasing cost of bringing new drugs to market?
- ✘ What will be the end result of horizontal integration in the industry?
- ✘ Will the American pharmaceutical industry remain a major player in the worldwide marketplace?

AMERICAN PHARMACY 2038

- ✗ Personalized Medications
- ✗ Electronic Assessment/Counseling of Patients
- ✗ Advanced Drug Delivery Systems
- ✗ Multi-Professional Providers
- ✗ Replacement of Pharmacies with Interprofessional Care Centers
- ✗ Pharmacists Assume Significant Leadership Roles Across Healthcare
- ✗ Re-Thinking the Purpose/Goals of Professional Pharmacy Organizations