2019 ANNUAL REPORT

BUILDING THE FUTURE OF HEALTH SCIENCE EDUCATION

NCHSE
National Consortium for Health Science Education
The National Consortium for Health Science Education (NCHSE) is a membership organization composed of those who support the mission, purpose, and goals of the consortium.

**OUR MEMBERS**

**HEALTH SCIENCE STATE LEADERS**
- Alabama Department of Education
- Alaska Department of Education
- California Department of Education
- Colorado Community College System
- Connecticut Department of Education
- Delaware Department of Education
- Georgia Department of Education
- Idaho Career & Technical Education
- Illinois State Board of Education
- Iowa Department of Education
- Hawaii Pacific Basin Area Health Education Center
- Kansas State Department of Education
- Kentucky Department of Education
- Michigan Department of Education
- Minnesota Department of Education
- Mississippi Career Technical Education Office
- Missouri Department of Elementary & Secondary Education
- Montana Office of Public Instruction
- Nebraska Department of Education
- Nevada Department of Education
- North Carolina Department of Public Instruction
- Ohio Department of Education
- Oklahoma Department of CareerTech Education
- Oregon Department of Education
- South Carolina Department of Education
- Utah Department of Education
- Washington Office of Superintendent of Public Instruction
- West Virginia Department of Education
- Wisconsin Department of Public Instruction

**PROFESSIONAL ASSOCIATIONS**
- American Medical Technologists
- American Speech-Language Association (ASHA)
- HOSA Future Health Professionals
- AMTBE Future Ready
- Pharmacy Technician Certification Board (PTCB)

**SECONDARY AND POSTSECONDARY EDUCATIONAL INSTITUTIONS**
- Cherry Creek School District (CO)
- Lyndon B. Johnson (LBJ) Early College High School (TX)

**PUBLISHERS/EDUCATIONAL RESOURCES GROUP**
- 3B Scientific
- Anatomy in Clay
- Applied Educational Systems, Inc.
- B.E. Publishing and F.A. Davis Company
- Bio-Rad Laboratories
- CareerSafe
- CUV Multimedia
- DEPCO Enterprises, LLC
- Goodheart-Willcox Publishing
- Jones & Bartlett Learning
- National Geographic Learning | Cengage
- National Healthcareer Association (NHA)
- PassAssured, LLC
- Paxton Patterson
- Pearson Education
- Pocket Nurse
- Realworks
- Starla's Creative Teaching Tips
- The Dean Vaughn Total Retention System™ Peterson’s, LLC
- Today’s Class (powered by Melior, Inc).
- zSpace

**NCHSE STAFF AND OFFICERS**
- Nancy H. Allen, Executive Director
- Tanya Deer, Finance Director
- Carrie Conner, Financial Services Accountant
- Jamie Dunn, Conference Coordinator
- Phyllis Johnson, Chair
- Lara Morris, Chair-Elect
- Cindy Lee Coe, Past Chair
- Denise Bodart DuBois, Secretary
- Shelly Wohlmeyer, Treasurer
- Precision Exams – Assessment Partner
- Edson Barton
- Robbie Rauzi

**CONTENTS**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUR MEMBERS</td>
<td>3</td>
</tr>
<tr>
<td>CHAIR’S STATEMENT</td>
<td>4</td>
</tr>
<tr>
<td>ORGANIZATIONAL CHART</td>
<td>5</td>
</tr>
<tr>
<td>ABOUT OUR ORGANIZATION</td>
<td>6</td>
</tr>
<tr>
<td>EXECUTIVE COUNCIL REFLECTIONS</td>
<td>7</td>
</tr>
<tr>
<td>FINANCIAL HIGHLIGHTS</td>
<td>8-9</td>
</tr>
<tr>
<td>ASSESSMENTS + STANDARDS</td>
<td>10-11</td>
</tr>
<tr>
<td>NATIONAL HEALTH SCIENCE CONFERENCE</td>
<td>12-13</td>
</tr>
<tr>
<td>HSEA</td>
<td>14</td>
</tr>
<tr>
<td>STRATEGIC PRIORITIES</td>
<td>15</td>
</tr>
<tr>
<td>MILESTONES</td>
<td>16-17</td>
</tr>
</tbody>
</table>
It’s been my pleasure to serve as the Chair of this wonderful organization for the past two years. NCHSE has come a long way since the “re-model plan” was introduced at the 2018 Annual Meeting in San Antonio, Texas. Our goal has been to increase outreach, grow and move the organization forward to better serve teachers in delivering quality health science education programs.

Listening to the needs of teachers and state leaders has been a major driver behind initiatives and changes implemented. After the Advanced CTE 2019 Spring Meeting, we realized what we were hearing from teachers is being echoed throughout CTE nationally, so we got a plan!

To increase professional development opportunities, the National Health Science Conference has been moved to an annual event. Six to eight webinars will be offered a year to continue positioning NCHSE as the national authority for health science education.

After much discussion, the Health Science Education Association (HSEA) is now a reality. This community of educators has access to an online repository of shared classroom activities and resources, monthly newsletters, and a Facebook group for collaboration.

NCHSE is reaching out to health-related professional organizations, publishers and educational resource providers, secondary and postsecondary institutions, and business and industry to increase membership. A positive outcome has been many contacts have been generated from current members. This unified effort will serve to magnify the NCHSE footprint.

Two years of restructure are now complete! Highlights include an expanded leadership team, the NCHSE Executive Council, additional membership categories under the new organizational structure, and by-laws and policies and procedures revisions. There will be growing pains as NCHSE evolves and expands our national presence. The investment in health science educators, students and partners is paramount to the development of our nation’s healthcare workforce.

Our goal is to help build, grow and enhance quality health science programs. NCHSE holds the key for our stakeholders to make this happen.

Phyllis Johnson
NCHSE CHAIR
The National Consortium for Health Science Education is a national partnership of individuals and organizations with a vested interest in health science education and preparing highly qualified health professionals. The Consortium was organized in 1991 to stimulate creative and innovative leadership for ensuring a well-prepared healthcare workforce. Together, we shape the future healthcare.

**ABOUT OUR ORGANIZATION**

**NCHSE EXECUTIVE COUNCIL**

Phyllis Johnson
CHAIR

Cindy Le Coq
PAST-CHAIR

Lara Morris
CHAIR-ELECT

Denise DuBois
SECRETARY

Shelly Wehmeyer
TREASURER

**CATEGORY REPRESENTATIVES**

Angel Clark
HEALTH SCIENCE STATE LEADERS

Kevin Edwards
POSTSECONDARY AND SECONDARY INSTITUTIONS

Katrina Haynes
HSEA REPRESENTATIVE

Kathy Cilia
PROFESSIONAL ASSOCIATIONS

Nicholas Wells
PUBLISHERS AND EDUCATIONAL RESOURCES

**EX OFFICIO MEMBERS**

Nancy Allen
EXECUTIVE DIRECTOR

Robbie Rauzi
ASSESSMENT PARTNER: PRECISION EXAMS

---

**EXECUTIVE COUNCIL REFLECTIONS**

The responsibility of the Executive Council is to manage the property, business, and affairs of the organization between annual business meetings. NCHSE Elected Officers constitute the Executive Council; the Chair, Past Chair, Chair-Elect, Secretary and Treasurer. Others included on the Council are the Membership Category Representatives.

"My role is to represent the nation’s health science state leaders, so that their voice and opinions may be heard and to relay pertinent information to them to support their programs."

-Angel Clark, Health Science State Leaders Representative

"I enjoy communicating with teachers from all over the nation, sharing resources, and hearing more about their needs."

-Katrina Haynes, HSEA Representative

"I represent the professional association voice on the NCHSE Executive Council. Professional associations are essential in providing feedback about industry-recognized credentials and other requirements needed in the healthcare workplace."

-Kathy Cilia, Professional Associations Representative

"The category representative for the Publishers and Educational Resources Group is our liaison to the NCHSE Executive Council. The role has strengthened the category group by conveying information and uniting a voice, while offering a unique perspective to NCHSE for future decisions."

-Nicholas Wells, Publishers/Educational Resources Representative
A letter with the audit of the statement of financial position of National Consortium for Health Science Education was received December 31, 2018 with related statements of activities and cash flows for the year for the purpose of expressing an opinion as to whether the financial statements presented fairly, in all material respects, the financial position, changes in net assets, and cash flows. Mr. David J. Ambrose, CPA, Lansing, Michigan confirmed the financial statements referred to above present fairly, in all material respects, the financial position of NCHSE as of December 31, 2018, and the results of its operations and its cash flows for the year then ended in accordance with U.S. generally accepted accounting principles.

*Major differences in total revenue and dues for 2018 and 2019 occurred based on new NCHSE accounting practices that reflect membership dues that are reported in the year for which the membership is valid. In future years, total revenue and dues will present a more accurate account in the financial statement.
The health science standards offer an answer to the question, “What does a worker need to know and be able to contribute to the delivery of safe and effective healthcare?” The standards represent core expectations most workers need to succeed in health careers.

THREE AREAS OF FOCUS:

- Enhanced clarification to provide greater detail to teachers and students
- Improved understanding of essential knowledge common across all health professions
- Enhanced testing tools to better align with the national health science standards

NATIONAL HEALTH SCIENCE STANDARDS REVISION (MAY 2019)

- Validated to ensure reliability, high quality, and discrimination on how well a student knows the material being tested
- Updated test items to align with National Health Science Standards revisions
- Updated test blueprint
- Sample test revision and expansion
- Certificate revised with clearer explanation of each NCHSE Standard to better communicate documentation of knowledge to the employer

Over 21,549 NHSAs and 86,229 certificate exams were given during the 2018-2019 school year.

24 states participated in the NHSAs; 15 were NCHSE member states.

Provided a workshop: “The Value and Power of Assessment” at 2019 National Health Science Conference.

NEW FOR 2020: FOUR COURSE HEALTH SCIENCE TEMPLATES

- Courses three and four allow focus on a specific healthcare pathway(s) such as nurse aide, mental health worker, sports medicine, pharmacy technician, etc.
- The four-course framework serves as an example of possibilities for secondary health science programs to help facilitate development of health science programs. Emphasis placed on suggested areas of course content that can be aligned with postsecondary courses such as medical terminology and anatomy and physiology. Secondary students can earn college credits.
- Allows for health science programs of varying length and emphasis to choose some or all of the courses and still provide certifications and work-based experiences for each individual course.
- May be delivered in order, in a different order or independently.

TITLES: FOUNDATIONS OF HEALTHCARE PROFESSIONS

Course Description: Develops professional written and oral communication skills and addresses the foundational knowledge standards, which provide a clear path enabling the student flexibility in choosing a health science program of two versus four semesters; centered on the National Health Science Standards.

Curricular Activities: HOSA - Future Health Professionals, Service-Learning Projects

NCHE Resources: Health Science Curriculum Enhancements and Work-based Learning. End of Course (EOC) Assessment: Health Science Fundamentals

TITLES: ESSENTIAL HEALTHCARE PRATICES

Course Description: Builds on curriculum introduced in Foundations of Healthcare Professionals. Develops enhanced written and oral communication skills and medical and health principles. Introduces basic medical terminology roots, prefixes and suffixes to communicate body systems, diseases and disorders. Identifies how key systems affect services performed and quality of care. Defines legal responsibilities, limitations, and implications on healthcare worker actions. Investigates acceptable ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment. Instructs technical skills for measuring and recording vital signs.

Curricular Activities: HOSA - Future Health Professionals, Service-Learning Projects

NCHE Resources: Health Science Curriculum Enhancements and Work-based Learning. End of Course (EOC) Assessment: Health Science Fundamentals

TITLES: HUMAN STRUCTURE, FUNCTION, AND DISEASE (A)

Course Description: Introduces human anatomy, physiology, common diseases and disorders. Focuses on skeletal, muscular, integumentary, lymphatic/immune and respiratory systems. Integrates advanced medical terminology.

Curricular Activities: HOSA - Future Health Professionals, Work-Based Learning Internships and Apprenticeships

NCHE Resources: Health Science Curriculum Enhancements and Work-based Learning. End of Program (EOP) National Health Science Assessment. End of Course (EOC) Assessments: Medical Anatomy & Physiology, Medical Terminology, and Specific Occupational focus EOC assessments such as Nurse Assistant, Dental Science, Medical Assistant, etc.

TITLES: HUMAN STRUCTURE, FUNCTION, AND DISEASE (B)

Course Description: Builds on the knowledge and skills of Human Structure, Function, and Disease (A) concentrating on the remaining systems: nervous, endocrine, urinary, reproductive and digestive. Explores information technology in healthcare. Medical terminology and medical math are integrated throughout.

Curricular Activities: HOSA - Future Health Professionals, Career Specialty Certifications, Work-based Learning Internships and Apprenticeships

NCHE Resources: Health Science Curriculum Enhancements and Work-based Learning. End of Program (EOP) National Health Science Assessment. End of Course (EOC) Assessments: Medical Anatomy & Physiology, Medical Terminology and Specific Occupational focus EOC assessments such as Nurse Aide, Biotechnology, Dental Science, Medical Assistant, EMT, Pharmacy technician, etc.
“The NCHSE 2019 Conference was an inspirational, informative, and educative interaction that helped me develop as a health science educator.”

“The conference allowed me to collaborate with people from other areas, as well as, provided me with meaningful ways to break the monotony of curriculum.”

Members and Partners—2019 NCHSE Annual Meeting, New Orleans, LA (January)
CTE State Directors and Partners—Advance CTE Spring Meeting, Washington, DC (April)
Assessment Partners, Health Science Subject Matter Experts, and NCHSE Officers—Assessment and Standards Review Meeting Lehi, UT (April)
Health-related Professional Associations and Educational Partners—Health Professions Network (HPN) Spring Meeting, Cincinnati, OH (April)
HOSA Members, Advisors and Partners—2019 HOSA-Future Health Professionals International Leadership Conference, Orlando, FL (June)
Massachusetts Health Science Educators—MAVA Connect for Success Conference, Marlboro, MA (June)
Georgia Health Science Educators—GACTE Summer Conference, Athens, GA (July)
NCHSE Executive Council, 2019 Annual Planning Meeting St. Louis, MO (August)
Health-related Professional Associations, Educational Partners, and Policy Makers—Health Professions Network (HPN) Fall Meeting, Albuquerque, NM (October)
Health Science Teachers, Administrators, Members and Partners—National Health Science Conference, St. Louis, MO (November)
Educators, Administrators, and Partners—CTE VISION, Anaheim, CA (December)
Join the Health Science Educators Association, a collaboration to support health science teachers sponsored by the National Consortium of Health Science Education (NCHSE). As a member you will have access to:

- A community of classroom teachers reinforcing the use of the National Health Standards
- Professional development opportunities
- Exclusive classroom resources

Our Mission
The mission of the Health Science Educators Association is to help classroom teachers with resources and an avenue to communicate with teachers from across the nation, sharing best practices and concerns.

COLLECT INPUT FROM HEALTH SCIENCE STATE LEADERS AND CLASSROOM TEACHERS TO SHAPE NCHSE AND PARTNER INITIATIVES

ENCOURAGE USE OF THE NATIONAL HEALTH SCIENCE STANDARDS AND NCHSE ASSESSMENT PROGRAM TO SUPPORT HIGH QUALITY HEALTH SCIENCE EDUCATION PROGRAMS

SHARE THE HEALTH SCIENCE FOUR-COURSE FRAMEWORK FOR PROGRAMS SEEKING WAYS TO DELIVER THE NATIONAL HEALTH SCIENCE STANDARDS

EMPOWER EDUCATORS THROUGH PROFESSIONAL LEARNING (CONFERENCES, WEBINARS AND NEWSLETTERS)

BUILD AND MAINTAIN EFFECTIVE PARTNERSHIPS AND RELATIONSHIPS TO ADVANCE THE MISSION OF NCHSE

DEVELOP STRONG LEADERSHIP AND INTERNAL PROCESSES TO ENSURE AN EFFECTIVE, SUSTAINABLE ORGANIZATION

PROMOTE AWARENESS OF NCHSE AND HSEA AND INCREASE MEMBERSHIPS

GROW ATTENDANCE AT THE 2020 NATIONAL HEALTH SCIENCE CONFERENCE

healthscienceconsortium.org
We help you build, enhance, and grow successful health science programs.

We work to stimulate creative and innovative leadership for ensuring a well-prepared health workforce.

**MILESTONES**

- Implemented the new organizational structure to include NCHSE Executive Council elections
- Added conference and organizational branding strategies
- Delivered two NCHSE sponsored Health Science Certificate Labs at the HOSA ILC and 2019 NHSC; partnering with Precision Exams, NGL | Cengage and Goodheart-Wilcox Publisher
- Revised National Health Science Standards (May 2019) and the National Health Science Assessment Certificate of Achievement
- Donated $5000 to the HOSA Scholarship Program
- Consistent communication platforms: webinars, eblasts, social media, newsletters, latest news focus on website
- Designed and implemented a new website
- Developed framework for health science four course sequence
- Sponsored two webinars through partnerships with American Speech Language Hearing Association (ASHA) and the Pharmacy Technician Certification Board (PTCB)
- Hired a new ED
- Welcomed new NCHSE and HSEA members

**THE FUTURE OF HEALTH SCIENCE EDUCATION**
CHARLESTON, S.C.!
Greetings from
2020 NATIONAL HEALTH SCIENCE CONFERENCE

SAVE THE DATE
2020 NATIONAL HEALTH SCIENCE CONFERENCE

Check out the www.healthscienceconsortium.org for more conference information.
LET’S BUILD THE FUTURE OF HEALTH SCIENCE EDUCATION

We help you build, enhance, and grow successful health science programs.