LEADERSHIP

Phyllis Johnson, Chair
Lara Morris, Chair-Elect
Tara Bell, Secretary
Clarice Morris, Treasurer
Cindy LeCoq, Immediate Past-Chair
Carol Packard, Executive Committee Member
Edson Barton, Precision Exams, Board Liaison
Robbie Rauzi, Customer Success Manager
Nancy Allen, Executive Director
2018 MEMBERSHIP

Alabama Department of Education
American Speech Language Hearing Association (ASHA)
California Department of Education
Colorado Community College System
Delaware Department of Education
Georgia Department of Education
Hawaii Department of Education
HOSA–Future Health Professionals
Idaho Career and Technical Education
Illinois State Board of Education
Indiana Department of Education
Iowa State Department of Education
Kansas State Department of Education
Kentucky Department of Education
Lyndon B. Johnson (LBJ) Early College High School
Michigan Department of Education
Minnesota Department of Education
Mississippi Department of Education
Missouri Department of Elementary and Secondary Education
Montana Office of Public Instruction
Nebraska Department of Education
Nevada Department of Education
North Carolina Department of Public Instruction
Oklahoma Department of CareerTech Education
South Carolina Department of Education
Texas Education Agency
Utah Department of Education
Washington Office of Superintendent of Public Instruction
West Virginia Department of Education
Wisconsin Department of Public Instruction

PUBLISHERS/EDUCATIONAL RESOURCES GROUP

American Medical Technologists
Applied Education Systems, Inc.
B.E. Publishing and F.A. Davis Company
Bio-Rad Laboratories
Anatomy in Clay
CEV Multimedia
DEPCO, LLC
Goodheart-Willcox Publisher
Jones and Bartlett Learning
NAF-Be Future Ready
National Geographic Learning, a part of Cengage
National Healthcareer Association
PassAssured, LLC
Paxton/Patterson
Pearson Education
Pocket Nurse
Realityworks
Starla’s Creative Teaching Tips
Peterson’s, LLC | Dean Vaughn Total Retention System™
Today’s Class
Visible Body
zSpace
What a year this has been for the National Consortium for Health Science Education (NCHSE)! February 2018 brought the retirement of Carole Stacy, long time NCHSE Executive Director who devoted twenty-eight years to the organization through her initial membership and time as the executive director. With Carole’s departure, Nancy Allen, assumed the role of director, and NCHSE began the process of moving forward with our plan to restructure and grow our organization and its impact. One of our goals for growth for the year was to increase our visibility in the health science community on a national level. In order to make this happen, we pursued connections and relationships with more professional organizations, medical providers and educational health science vendors.

Once again, NCHSE attended the HOSA 2018 International Leadership Conference in Dallas, Texas in June to exhibit, provide workshops and make connections. It is our honor continue to partner with HOSA–Future Health Professionals by providing scholarships for deserving students to continue their health science educational pathways.

In September, at the 2018 National Health Science Conference, Denver, Colorado, attendance was excellent. Due to popular demand, the decision has been made to offer this conference annually. NCHSE responded to a need for a national health science educator organization giving teachers opportunities to connect with peers from around the country, and a way to share great resources and activities for their classrooms. The Health Science Educators Association was launched in the fall of 2018.

The National Health Science Assessment which aligns with the National Health Science Standards continues to be a popular end-of-program assessment. NCHSE is partnering with our test provider, Precision Exams to promote and provide health science stackable assessments for those schools interested in end-of-course exams.

We are excited that our presence and outreach is being noticed and appreciated. We thank all of the state leaders, publishers and educational resources providers, other professional organizations and many educators who have helped us promote NCHSE as the national authority for health science education. In the big picture, if promoting NCHSE helps profile health science education and support teachers and students nationwide, this hard work has been worth the efforts! We look to 2019 with a desire to continue the work that was begun this year complete with plans to grow and lead health science education.
With changing trends comes the need to evolve our organization. Part of that change involves increasing business and industry involvement in our organization. In addition to our general membership of elected officers and health science state leaders, if the proposed bylaws changes pass, the following groups would have one representative as part of the newly created NCHSE Executive Council: Health industry, government agencies, professional organizations, publishers and educational resources, Health Science Educator Association, and secondary and postsecondary educational institutions.

With the addition of these new executive council members, the goal would be to achieve a broader perspective to help guide our organization. Input from these different groups will provide NCHSE with current changes and trends in healthcare effecting health science education and assist us shape meaningful professional development for health science educators across the nation. This new structure will move NCHSE toward a bigger and brighter future as we continue our mission to be the national authority in health science education.
2018 FINANCIAL SUMMARY

PURPOSE

- Provide a complete, accurate financial position status of the National Consortium for Health Science Education (NCHSE)
- Provide NCHSE Executive Committee with the financial analysis to allow strategic decisions in the best interest of NCHSE

The National Consortium for Health Science Education (NCHSE) had a busy and exciting year. Precision Exams supported marketing efforts and promotion of the National Health Science Assessment and stackable assessments. NCHSE financial resources were used to provide numerous benefits on the national, state, and local level.

Highlights:

- Embodied NCHSE’s mission through involvement at: HPN Spring Meeting (Health Professions Network), HOSA 2018 International Leadership Conference, IACTE Fall Conference (Indiana ACTE), Advance CTE Fall Meeting, and ACTE CareerTech 2018 VISION
- Awarded $5000 in HOSA Scholarships to five deserving future health professionals
- Delivered the 2018 National Health Science Conference for 325 attendees; a financial success with a net income of $41,115.52
- Supported editing of Health Science Curriculum Enhancements and Partnerships: School, Community and Healthcare Resource (Work-based/Service Learning) resources
- Collaborated to create proposed bylaws revision outlining reorganization of the NCHSE structure to include government agencies, health industry, Health Science Educators Association, professional associations, publishers and educational resources, and secondary and postsecondary educational institutions

2018 National Health Science Conference had 325 attendees!
Financial high points for 2018 fiscal, as of November 30, 2018:

- Revenues totaling $376,253.43
  - Dues $105,062.90
  - Conferences $181,479.57
  - Sales $87,855.06

- Expenses totaling $307,303.58
  - Outside Contractors $90,641.92
  - Conferences and Meetings $188,723.00
  - HOSA Scholarships $5,000.00

- Net surplus $68,949
- Total Equity $221,821.00
HEALTH SCIENCE ASSESSMENT REPORT

WELCOME!

It has been an exciting year in the world of the NCHSE partnership with Precision Exams (PE)! Knowing the importance of validating and documenting the extent of the candidate’s knowledge of the National Health Science Standards and Objectives NCHSE offered 15 health science content specific stackable certificate exams in addition to the National Health Science Assessment (NHSA). Precision Exams delivered a total of 23,239 NHSA and 60,822 certificate exams. The top three certificate exams were Food and Nutrition I, Medical Terminology and Introduction to Health Science. Nurse Assisting came in with the top pass rate in performance with a national 67% average.

In partnership with PE the first annual NCHSE Health Science Certificate Lab was open to students attending the 2018 HOSA ILC in Dallas, Texas. Over three days 435 exams were delivered to 241 students who earned a combined total of 213 certificates (49% pass rate). NGL|Cengage provided access to pre-exam study materials through their MindTap services and covered the cost of the 20 computer rental cost. The response to the certificate lab was overwhelming with students lined up in the outside hall waiting to participate.

Continuing the monumental success of the HOSA certificate lab, NCHSE and PE decided to offer the lab to the participants who attended the 2018 National Health Science Conference in Denver, Colorado. Goodheart-Wilcox provided support to participants giving full access to their health science bookshelf through the month of November. Over 108 participants took a total of 158 health science exams with the most popular exam choices being the NHSA and Medical Terminology. Again, the certificate lab was an amazing success. NCHSE gathered informal evaluations from the certificate lab participants revealing important information that will be used in future assessment planning during this year’s assessment review and validation. Please refer to the following assessment graphs for more detailed assessment information.

NCHSE looks forward to continued assessment growth and success. Thank you for supporting NCHSE and the health science assessments!

Cindy Le Coq
NCHSE Past Chair
Assessment Co-Chair
EXAMS:

**HOSA Certificate Lab**

NCHSE conducted an informal evaluation of the 241 HOSA Certificate Lab participants and received 103 evaluation responses and represents approximately 24% of the test taker total.

1. **Did your health science course adequately prepare you for this assessment?**
   - YES 81.55%
   - NO 18.44%

2. **Would you recommend the NCHSE National Health Science Certificate Lab to a fellow HOSA student?**
   - YES 98%
   - NO 2%

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**2018 National Health Science Conference**

NCHSE conducted an informal evaluation of the 108 2018 National Health Science Conference participants and received 44 responses. Two of the six evaluation questions are highlighted:

1. **What is the duration of your health science program/course?**
   - SEMESTER 16%
   - TWO SEMESTERS 57%
   - MULTIPLE SEMESTERS 25%

2. **Did the assessment adhere to the National Health Science Standards?**
   - YES 72%
   - NO 2%

3. **Did this assessment correlate to the content you teach in your health science program?**
   - 0%
   - 25% (1)
   - 75% (12)

4. **Are you familiar with the National Health Science Standards?**
   - YES 88%
   - NO 12%
The Health Professions Network (HPN) 2018 Spring Meeting brought NCHSE to Mayo Clinic, Rochester, MN. This eye-opening meeting revealed how Mayo Clinic has incorporated their illustrious history into daily operations on-site. In addition to meeting with Mayo Clinic’s educators, researchers, and other professionals, we were offered a tour of Mayo Clinic’s Heritage Hall, which highlights 200 years of development from 1819 to the present day. The Mayo Clinic’s Healthy Living Program is a great example of how the culture and the Clinic’s purpose is woven through the organization at all levels. Touring the 7-story wellness facility, we learned of how wellness, prevention, and sustainable behavior change are all tied into a curriculum that emphasizes an integrated approach to education, research, and the service delivery of patient care. In the U.S. News & World Report rankings of top hospitals, Mayo Clinic is the No.1 hospital overall and No.1 in more specialties than any other hospital in the nation.
During the HOSA 2018 International Leadership Conference, Dallas, TX, NCHSE provided three workshops highlighting services and resources along with “Hearing Voices,” a behavioral health focused activity. In addition, NCHSE participated in the HOSA Expo and donated five $1000 scholarships to deserving HOSA members. Student delegates were offered a unique opportunity to test their knowledge of a variety of health science topics while also earning industry-recognized certificates. NCHSE partnered with National Geographic Learning | Cengage and Precision Exams to provide the first ever NCHSE Health Science Certificate Lab. Nearly 250 students participated in this complimentary lab. Combined HOSA members took over 435 different exams over this three-day event. Exam topics ranged from Medical Terminology to Biotechnology and included the National Health Science Assessment (NHSA). Certificates earned highlighted their individual knowledge of specific knowledge and skills which have been validated by higher education, industry professionals, and employers.

Prior to taking the exams, students had an opportunity access Cengage’s DHO MindTap course for study materials associated the NHSA study primer. When surveyed, students believed their health science courses helped prepare them adequately for success on these related assessments. The NCHSE Health Science Certificate Lab was filled to capacity during its three-day run at the 2018 HOSA International Leadership Conference, June 27-30, Dallas, Texas.

“The certification lab was incredibly helpful in providing a visual of where I stand amongst a national standard. The overall experience was very useful, and the certification is definitely something that is beneficial. It gives me the ability to showcase my knowledge and aptitude within a specific subject.”

~ Abhijith N.
This is a year of change with the spotlight on Career Technical Education (CTE) and the excitement of the passage of the Strengthening Career and Technical Education for the 21st Century Act (Perkins V). Every reauthorization brings challenges and opportunities, attendees learned about the leadership levels within Perkins V to advance the state’s vision for CTE. Attendees had an opportunity to engage in a series of small group discussions designed to challenge and support state leaders in how best to approach this new law. One of the notable opportunities mentioned were allowable use of funds for middle grades down to the 5th grade. Another topic was having more responsibility for on-going engagement which might include public comment/input and other stakeholders’ engagement such as business and industry and higher education. As always, individual states will address these and other components of Perkins V as they determine their plan.

... more responsibility for on-going engagement which might include... business and industry and higher education.
At their opening session of the ACTE VISION 2018, the Health Science Education Division recognized Phyllis Johnson with the ACTE High School Division Leadership and Appreciation Award.

A Premier Gathering of CTE Professionals

There was something for everyone at ACTE’s CareerTech VISION, San Antonio, Texas, November 28-December 1. Over these four packed days, educators, industry representatives and business leaders experienced high-quality professional development possibilities, prime networking opportunities and direct access to thousands of individuals representing all facets of CTE. The highlight of the opening session was a relevant keynote and Q&A session with NBC’s “TODAY” show correspondent, Jenna Bush Hager. Having an earlier career as a middle and elementary teacher in Washington, DC and Baltimore County Schools, contributed to her meaningful remarks. NCHSE provided two workshops with more than 40 attendees in each session. The response was outstanding and provided a great marketing opportunity. The first workshop was "Awesome, Affordable Health Science Activities and Resources on a Budget." Hands-on activities can be real motivators by providing students with opportunities to become part of a team, express themselves as leaders, and develop self-confidence. NCHSE resources can enhance students’ experiences through curriculum integration, real-world career shadowing, and employability skills.

“Ninety Health Careers in Ninety Minutes” was the second workshop. Meaningful materials were shared with attendees as they learned about numerous career choices in health professions along with resources and information about education requirements, job skills, and employment opportunities; many available with as little as two years of post-high school education.
2018 EVENTS

NATIONAL HEALTH SCIENCE CONFERENCE

OVERVIEW

The 2018 National Health Science Conference had an agenda loaded with innovative pre-conference sessions, engaging keynote speakers, exciting exhibits, relevant concurrent sessions, and excellent networking opportunities.

Teachers, administrators, and/or health-related companies, associations, and organizations who attended had an interest in shaping health science education and impacting future health professionals. This one-of-a-kind professional development opportunity will now become an annual event!

2 PRE-CONFERENCE SESSIONS
3 DYNAMIC KEYNOTE SPEAKERS
72 BREAKOUT SESSIONS
31 EXHIBITORS
325 ATTENDEES
MOVING TO AN ANNUAL EVENT!
I have taught Health Science/Health Careers Education for 21 years. I am a nurse and a National Board Certified Teacher. This conference was THE BEST I have EVER had the pleasure of attending. I brought back so much knowledge that I am sharing with my students. I WILL not miss the next one! Applauding all who put this awesome conference together. WORTH EVERY PENNY."
NCHSE appreciates the conference sponsors!

**hosa**
future health professionals

**PRECISION EXAMS**

**G-W PUBLISHER**

**ZAHOLIPEK SYSTEMS**

**ANATOMY IN CLAY® LEARNING SYSTEM**

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**2018 EVENTS**

REPRESENTATIVES FROM 43 STATES ATTENDED
HIGHLIGHTS

1. Attendance
2. Sponsors
3. Bill Coon, Opening Keynote
4. Triage Barbie
5. Hands on Body Systems
6. Cadaver Lab
7. Anatomy in Clay
8. NCHSE Certificate Lab
9. Networking
Amazing conference! Got lots of ideas to take back to the classroom! Can’t wait for 2019!
ATTENDEE STATEMENTS

“...

It was THE BEST HEALTHCARE conference I have ever attended. It was refreshing to go to all the sessions and come out with useful information for my classroom. THANK YOU!!

Opportunity to reflect on my current practices and make enhancements!

Loved that many sessions were brain science oriented.

Top ten teaching strategies workshop was excellent.

By continuing to learn as a health science educator, I’m better able to prepare my students for the industry.

I can’t even describe what this conference meant to me. I learned so much and added to my repertoire of teaching tools/ideas.

The conference was an excellent venue for learning a variety of differentiation methods of instruction by collaborating with other teachers in the same subject areas.

The conference was more than I expected. I was excited about the information that I received and new friends that I met.

The conference was very diverse and well organized. It was interesting and rejuvenating. I really enjoyed learning new ideas, and look forward to incorporating some of them into my classroom. Thanks!

Networking with peers across the country is invaluable.

Health Science Educators are AMAZING individuals!!

Storytelling, when done appropriately, can greatly enhance engagement, empathy, and understanding.

All of the keynote speakers provided humor, inspiration and knowledge.

I learned some fun ways to keep my students engaged in the classroom!

I enjoyed hearing more about different certifications available for health science students.

As teachers, we don’t need to teach to learning styles, but rather we need to adapt our teaching styles to reflect the outcome.

It was one of the most influential and educational conferences I’ve ever been to. It was great meeting people to network and focusing on healthcare science for 3 days!

”

Future National Health
Science Conferences

November 5-8, 2019
St. Louis, MO
Hilton Frontenac

October 27-30, 2020
Charleston, SC
Charleston Marriott
OVERVIEW

The 2018 National Consortium for Health Science Education Annual Meeting took place in San Antonio, Texas, January 31 – February 1 at Hotel Contessa. The health science state leaders met on January 30 for their annual meeting. All attendees took part in a tour of the Military Medical Education and Training Center at Fort Sam Houston and had the honor of speaking with many cadets and instructors. The future focus and restructure of NCHSE was discussed and committees had the opportunity to meet and report out to the rest of the group.
NCHSE launched the Health Science Educators Association (HSEA), a collaboration to support health science teachers. Member benefits including providing direct contact to classroom teachers reinforcing the use of the National Health Science Standards, offering professional development, and delivering classroom resources. This membership will be especially helpful for teachers who would like discounted resources, but their state education agency may not be a member of the consortium. HSEA is NOT intended to replace our advocacy partner, the Association for Career and Technical Education (ACTE) Health Science Education Division. The mission is to help classroom teachers with resources and an avenue to communicate with teachers from across the nation, sharing best practices and concerns.

If teachers wish to join, they can SCAN the QR code of the registration form posted at healthscienceconsortium.org

“ I have been for years looking for a group of other health assisting or health science teachers, so this group is awesome!”
Building an organized content structure and our contact list was priority for NCHSE as we worked to create content that is clear, trackable, and aligned with the questions our educators need.

While implementing the vision of a 2017 communications needs assessment deep dive, the main focus of the NCHSE Communication and Outreach Committee 2018 was on internal communications through increasing member awareness of our Publishers/Educational Resources Group. All group members received a table tent to display at the 2019 National Health Science Conference indicating their membership to all attendees. The plan will be to have tents available for our partners to display when appropriate at other conference and meetings they attend.

NCHSE Partners were proudly featured at conference events.
WEBSITE
Web presence drives a majority of buying decisions and new customer opportunities. The NCHSE website creates a critical first impression for the vast majority of new clients. Because of this, the website, needs to quickly reflect NCHSE's solutions and market differentiators along with incorporating an intuitive user path. Key emphases for the site design include:

• Content: NCHSE's current site, takes a straightforward and conservative approach to explaining NCHSE and providing organizational updates. The site needs to be re-worked to highlight value and integrate subtle calls-to-action (CTA’s) throughout the site.
• Users Expectations: Visitors should never need to “hunt” for content they need. By creating a simple upfront structure NCHSE can increase keywords, improve performance.
• Visual Design: As NCHSE constructs user paths they should also develop a plan to adjust the site to accommodate user objectives.

CONTENT
NCHSE has several ongoing and important events that were the primary focus throughout the year. Using these events as staging grounds NCHSE was able to work with partners and sponsors to develop a topic specific campaigns aimed at generate interest and to increase attendance/membership. Campaigns contributed to critical outcomes in event interest, attendance, search engine optimization (SEO), and site content refreshes.