



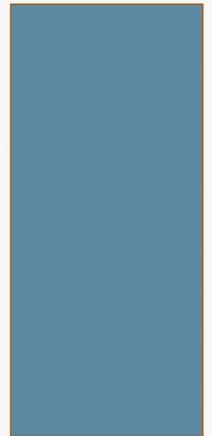
NCHSE

National Consortium for
Health Science Education

NCHSE Conference

Oct. 2016

Information Presented By Christine Simonsen



Health Career Standards Modified

<http://www.healthscienceconsortium.org/national-health-science-standards/>

- In May 2015 revisions were adopted to the eleven common healthcare foundation standards and four career pathway standard sets (Diagnostic, Therapeutic, Environmental and Health Information) were changed to Diagnostic, Therapeutic, Health Informatics, Support Services, and Biotechnology Research & Development. These provide the basis for all consortium curriculum related materials.
- During the process more than 1,000 healthcare employers, college and university faculty, secondary teachers and professional organization representatives provided input to identify common practices, reviewed the content for each standard, and pilot tested the results within their agency or organization.
- After extensive discussion, it was agreed that the career pathway standards would be organized by function rather than job title to create a more manageable grouping.
- The standards represent core expectations most workers need to succeed in health careers. The standards allow:
 - Students and parents to have clear direction to help set goals for future employment;
 - Educators are able to design quality curriculum and instruction consistent with industry expectations; and
 - Consumers and employers benefit from high quality, efficient healthcare delivery from well-trained workers.

Four Pathways Changed To Five:

Five Pathway Standards are currently available:

- [Therapeutic Services Standards](#) (PDF)
These standards apply to occupations or functions primarily involved in changing the health status of the patient over time. The standards specify the knowledge and skills needed by professionals in the therapeutic services pathway.
- [Diagnostic Services Standards](#) (PDF)
These standards apply to occupations and functions primarily involved in creating a picture of the health status of the patient at a single point in time. The standards specify the knowledge and skills needed by professionals in the diagnostic services pathway.
- [Health Informatics Standards](#) (PDF)
These standards apply to occupations or functions that document patient care. The standards specify the knowledge and skills needed by professionals in the health informatics pathway.
- [Support Services Standards](#) (PDF)
These standards apply to occupations or functions involving direct or patient care that create a therapeutic environment of providing that care. The standards specify the knowledge and skills needed by professionals in the support services pathway.
- [Biotechnology Research & Development Standards](#) (PDF)
These standards apply to occupations and functions primarily involved in biotechnology research and development that applies to human health. The standards specify the knowledge and skills needed by professionals in the biotechnology research and development pathway.

Links To Each Standard:

Therapeutic Service Standards:

<http://www.healthscienceconsortium.org/wp-content/uploads/2015/07/Therapeutic-Services-Standards.pdf>

Diagnostic Service Standards:

<http://www.healthscienceconsortium.org/wp-content/uploads/2015/07/Diagnostic-Services-Standards.pdf>

Health Informatics Standards:

<http://www.healthscienceconsortium.org/wp-content/uploads/2015/07/Health-Informatics-Standards.pdf>

Support Service Standards:

<http://www.healthscienceconsortium.org/wp-content/uploads/2015/07/Support-Services-Standards.pdf>

Biotechnology Research & Development Standards:

<http://www.healthscienceconsortium.org/wp-content/uploads/2015/07/Biotechnology-Research-Development-Standards.pdf>

National Health Science Standards

(adopted May 2015)

<http://www.healthscienceconsortium.org/wp-content/uploads/2015/07/national-health-science-standards-may-2015f1-pe2.pdf>

The National Health Science Standards provide a clear and consistent understanding of industry and postsecondary expectations for health science teachers and students. These standards are designed to provide the essential knowledge common across health professions to prepare and increase the number of students that are college and career ready. The National Health Science Assessment for 2016 will reflect the enhanced standards in new test items.

Foundation Standard 1: Academic Foundation Understand human anatomy, physiology, common diseases and disorders, and medical math principles.

Foundation Standard 2: Communications Demonstrate methods of delivering and obtaining information, while communicating effectively.

Foundation Standard 3: Systems Identify how key systems affect services performed and quality of care.

Foundation Standard 4: Employability Skills Utilize employability skills to enhance employment opportunities and job satisfaction

Foundation Standard 5: Legal Responsibilities Describe legal responsibilities, limitations, and implications on healthcare worker actions.

Foundation Standard 6: Ethics Understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment.

Foundation Standard 7: Safety Practices Identify existing and potential hazards to clients, co-workers, and self. Employ safe work practices and follow health and safety policies and procedures to prevent injury and illness.

Foundation Standard 8: Teamwork Identify roles and responsibilities of individual members as part of the healthcare team.

Foundation Standard 9: Health Maintenance Practices Differentiate between wellness and disease. Promote disease prevention and model healthy behaviors

***Foundation Standard 10:** Technical Skills Apply technical skills required for all career specialties and demonstrate skills and knowledge as appropriate.

Foundation Standard 11: Information Technology Applications Utilize and understand information technology applications common across health professions.

National Health Science Assessment

<http://www.healthscienceconsortium.org/national-health-science-assessment/>
<http://www.healthscienceconsortium.org/faq/>

The National Health Science Assessment is a validated, knowledge-based test designed to evaluate the extent of the candidate's knowledge of the [National Health Science Standards and Objectives](#).

Upon successful passing of the test a student is [awarded a certificate of proficiency](#) on the health science standards. The National Health Science Assessment is administered by [Precision Exams](#).

During the 2015 academic year over 22,000 health science students participated in the assessment. Students should be prepared to answer enhanced questions that might appear in the following formats: multiple choice, labelling, matching, sequencing/ordering. By delivering the test item content in multiple formats, the National Health Science Assessment is remaining current with testing standards that require critical thinking and problem solving.

Based on the National Health Science Standards and Objectives, the assessment is available via an online testing system that provides both pre- and post-testing opportunities and reporting services.

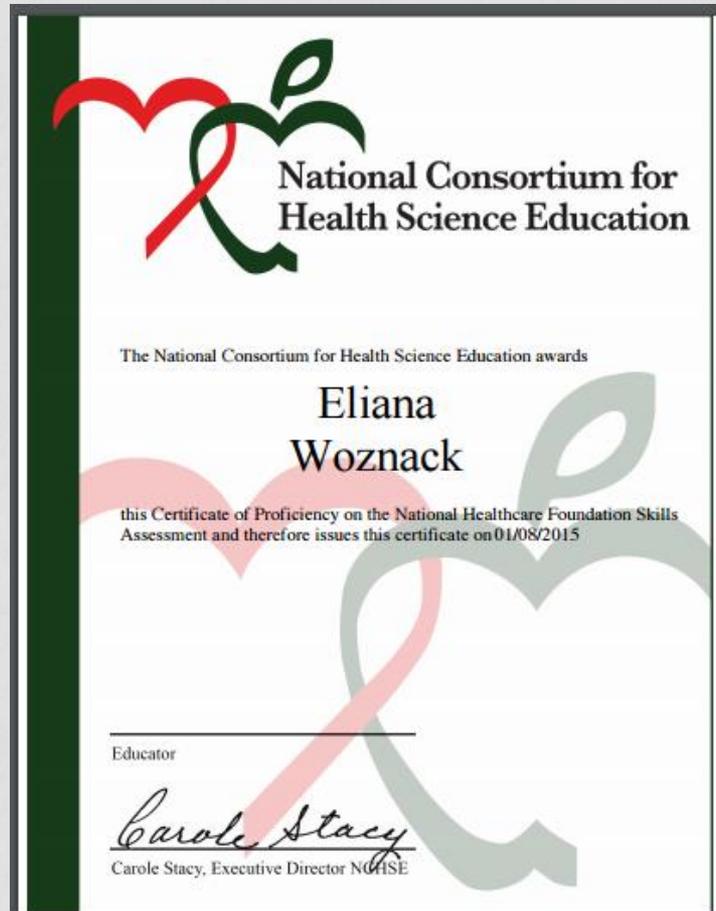
The cost for students from NCHSE member states is \$12 per assessment and \$15.00 for students from non-members states. This price is subject to change. (2/28/14)

The pass score for the National Health Science Assessment is currently 70 percent.

Students have 90 minutes (over 98 percent of candidates finish within the allotted time) to complete the exam and are allowed to retake the post-test as needed and will be charged at the same fee as the initial assessment. The policy for assessment retakes is determined by each state and not by NCHSE.

Certificate Of Proficiency

http://www.healthscienceconsortium.org/wp-content/uploads/2015/07/sample-nchse_certificate-front-back-2.pdf



Back Of Certificate:

Career Skills Certificate Report

PRECISION
EXAMS

Exam Details

ELIANA WOZNACK
National Health Science Assessment - Single

Test Date: 01/08/2015
Health Sciences 2015
Acme High School
Acme Area School District

Standards

Definition

1. Academic Foundation - Healthcare professionals will know the academic subject matter required for proficiency within their area. They will use this knowledge as needed in their role. The following accountability criteria are considered essential for students in a health science program of study.
2. Communications - Healthcare professionals will know the various methods of giving and obtaining information. They will communicate effectively, both orally and in writing.
3. Systems - Healthcare professionals will understand how their role fits into their department, their organization and the overall healthcare environment. They will identify how key systems affect services they perform and quality of care.
4. Employability Skills - Healthcare professionals will understand how employability skills enhance their employment opportunities and job satisfaction. They will demonstrate key employability skills and will maintain and upgrade skills, as needed.
5. Legal Responsibilities - Healthcare professionals will understand the legal responsibilities, limitations, and implications of their actions within the healthcare delivery setting. They will perform their duties according to regulations, policies, laws and legislated rights of clients.
6. Ethics - Healthcare professionals will understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment. They will perform quality healthcare delivery.
7. Safety Practices - Healthcare professionals will understand the existing and potential hazards to clients, co-workers, and self. They will prevent injury or illness through safe work practices and follow health and safety policies and procedures.
8. Teamwork - Healthcare professionals will understand the roles and responsibilities of individual members as part of the healthcare team, including their ability to promote the delivery of quality healthcare. They will interact effectively and sensitively with all members of the healthcare team.
9. Health Maintenance Practices - Healthcare professionals will understand the fundamentals of wellness and the prevention of disease processes. They will practice preventive health behaviors among the clients.
10. Technical Skills - Healthcare professionals will apply technical skills required for all career specialties. They will demonstrate skills and knowledge as appropriate.
11. Information Technology Applications - Healthcare professionals will use information technology applications required within all career specialties. They will demonstrate use as appropriate to healthcare applications.

Preview Of The Test

<http://www.precisionexams.com/nchse/welcome/training.php>

http://www.healthscienceconsortium.org/wp-content/uploads/2015/07/SAMPLE-NCHSE_Certificate-Front-Back-2.pdf

Exam Blueprint NHTA Post for 2015-16

Standard	Total Items per Standard	Total Points per Standard	Total Points Percentage
1 - Academic Foundation	16	17	17%
2 - Communications	7	7	7%
3 - Systems	6	6	6%
4 - Employability Skills	13	15	14%
5 - Legal Responsibilities	11	11	11%
6 - Ethics	5	5	5%
7 - Safety Practices	16	16	16%
8 - Teamwork	7	7	7%
9 - Health Maintenance Practices	7	7	7%
10 - Technical Skills	5	5	5%
11 - Information Technology Applications	7	7	7%
Totals	100	103	100%

Flash Drive Available For Purchase:

<http://www.healthscienceconsortium.org/store/>



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New and updated web links, apps, lesson plans and activities reflecting the updated National Health Science Standards (May 2015)

Announcing an update to the Health Science Curriculum Enhancements



This curriculum provides: pre-test questions, power points, activities, communications, and practice tests to prepare students for the National Health Science Assessment.

Other Workshops/Fun Stuff Learned
@ NCHSE Conference

“Creating A 5-star Health Science Pathway”

Nevada – Randi Hunewill (Education Programs Supervisor)

- have CTE Endorsement on diploma if they pass 2 exams:
(subject and work-place readiness)
- must have 3.0 GPA in CTE course sequence
- get college credit for free and some dual credits
- Nevada’s program standards can be found at:
Department of Education for Nevada
- Randi stressed that you MUST have work-based learning experience to be considered a true, 5-star program
- <http://cte-escr.org/> (website Randi recommended)

Utah – Rachel Bolin

- Utah creates their own state tests
- <http://www.schools.utah.gov/main/>

“Move Your Students”

- **Edson Barton** with **Precision Exams**
- - addressed **National Health Science Assessment**
- *(see previous slides for this information)*

“Empower Students”

with National Health Career Association

Lara Flynn – presenter (<http://www.nhanow.com/>)

- All their tests are provisional until a student graduates then they are fully certified once they have their diploma. Students can send their diploma in individually or a teacher can send in all student diplomas in at one time.
- Students are 2 year industry credentialed from the day the exam is passed. Continuing ed. credits are offered through NHA, employers, and national organizations that are related to the profession.
- In order for Montana to provide their tests, we need to have NHA contact our Dept. of Education to ensure tests are recognized and approved
- There is no age limit on taking any of the tests, but the pharm tech test must be taken within 30 days of graduation and student must be on-track to graduate. CVS accepts pharm tech certification and Walgreen's is considering it.
- Medical Assistant certificate/career is the fastest growing allied health profession.

continued...

- For Schools:

<http://www.nhanow.com/for-schools/how-to-get-started>

- Costs include study guide and 5 practice tests. These costs might be approved as Perkins requests.
- NHA has an average 74% pass rate for all combined exams.
- EKG and phlebotomy certification requires a student performs 10 live EKGs/blood draws.
- Some exam can lead to national certificates.

Medical Assistant (CCMA)

Phlebotomy Technician (CPT)

Medical Administrative Assistant (CMAA)

EKG Technician (CET)

Electronic Health Records Specialist (CEHRS)

Pharmacy Technician (CPhT)

Billing & Coding Specialist (CBCS)

Patient Care Technician (CPCT/A)

“Infographics”

- Great to use w/HOSA competitions
- Suggested sites to use:
 - **piktochart.com** (offers templates, so easy to use; or can create your own; can upload personal photos or online clipart, photos, etc...; students must download it, save it, then share with teacher when project is complete)
 - **vennage.com** (only allows creation of 5 for free; can delete and make more to stay within the limit)
 - **easel.ly** (kids don't seem to like as much)
 - **pinterest.com**
 - **elearning informatic.com** (provides infographics on specific subject matter; can download and share these with students about specific subjects and careers)

“Digital Health Tech Scene”

Professor Corinne Hoisington

- **Blippar** (<https://blippar.com/en/>)

- **Quizizz** (<https://quizizz.com/>)

- Shared quizzes are available or can create your own; can add pictures

HoloLens (<https://www.microsoft.com/microsoft-hololens/en-us>)

video: https://www.youtube.com/watch?v=lc_M6WoRZ7k

Office Lens – take pic of business card and save

Google Translate

- point phone at anything and it reads it to you; speak into app and it translates and speaks the foreign language for you

Free Bingo Card templates - <http://myfreebingocards.com/>



“That’s all Folks!”

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