

2022 Influenza and Zoonoses Education among Youth in Agriculture Program

Interim Progress Report

Site: _____ NE _____

Completed by: _____ YIA Team _____

Date: _____ 4/28/22 _____

Please return completed Interim Progress Report to mpuckett@cste.org by April 30, 2022.

Note: Please submit one response per site.

1) List project deliverables and describe progress made towards completion of these deliverables:

- **Deliverable 1:** *Host a meeting of One Health Team including FFAs, other key stakeholders to review previous performance and discuss plans for 2022*

Accomplishments/Progress to-date: Scheduled (May 4th)

Did this deliverable include an educational intervention: Yes / No

- **Deliverable 2:** *Update and promote project webpage use and online training courses for youth*
- **Accomplishments/Progress to-date:** Ticks/tick-borne disease and One Health career digital badging modules are under development and revision to be promoted in Summer 2022.

Did this deliverable include an educational intervention: Yes / No

- **Deliverable 3:** *Host project webinar with stakeholders (4-H extension educators and FFA animal health educators) and post recorded webinar for future use.*

Accomplishments/Progress to-date: Our team is scheduled to present at the Nebraska Career Education Conference in June 2022, a statewide event that draws diverse teachers from rural and urban areas of Nebraska. UNL partners will present on the digital badging modules and other youth educational activities at the Amplify Engagement Conference hosted at UNL in May 2022. This extension-focused conference will draw extension specialists and educators, including 4-H educators, from across the state. We will also conduct in-person and virtual training sessions for 4-H and FFA educators in Summer 2022.

Did this deliverable include an educational intervention: Yes / No

- **Deliverable 4:** *Print and ship additional lessons and activities for widespread use by ag educators*

Accomplishments/Progress to-date: Working with extension partners, we are refining interactive activity kits and trainings for 4-H and FFA educators. Printed lessons and the supplies necessary for these activities will be shipped to the educators for Summer 2022 train-the-trainer sessions.

Did this deliverable include an educational intervention: Yes / No

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- **Deliverable 5:** *Final beta-test and deployment of Zoodemic*

Accomplishments/Progress to-date: Conducted beta testing with high school students Winter 2021/22. Evaluating the feedback to create a checklist of bugs and items to correct.

Did this deliverable include an educational intervention: Yes / No

- **Deliverable 6:** *Develop and deploy OH career module*

Accomplishments/Progress to-date: We are currently filming field interviews with target professionals and revising content for the OH career module. Once complete, we will seek feedback on the module from One Health stakeholders in Nebraska and pre-test it with 5-10 high school students for formative feedback. Following discussions in the Fall 2021 YIA interactive workshops on the benefit of sharing and reviewing materials across project sites, we will also share the completed modules in Summer 2022 with teams from other states to incorporate broader insight on content and delivery. After revision, the digital badging site will be distributed by 4-H and FFA educators and advertised widely via the UNMC YIA website and Nebraska One Health social media.

Did this deliverable include an educational intervention: Yes / No. Please note that the impact of the module on student understanding of One Health careers will be evaluated after the module is complete and publicly available as part of the deliverables funded in our 2022 YIA award.

- **Deliverable 7:** *Share educational materials, signage, etc., at State and County Fairs and UNL Career Fair events*

Accomplishments/Progress to-date: We are working with partners to identify existing education materials from other YIA groups and modify our previous materials for distribution of improved handouts and signage for the 2022 fair season.

Did this deliverable include an educational intervention: Yes / No

- **Deliverable 8:** *Deploy COVID education module*

Accomplishments/Progress to-date: Obtained necessary software to develop COVID module for kids.

Did this deliverable include an educational intervention: Yes / No

(If Yes, please complete the Impact Chart appended to this report.)

- **Deliverable 9:** *Develop and deploy advanced digital badge certification*

Accomplishments/Progress to-date: We are working with UNL digital badging coordinators to host the One Health career module and tick/tick-borne disease module (see Deliverable 6 and 13 for details on the modules).

Did this deliverable include an educational intervention: Yes / No

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- **Deliverable 10:** *Conduct mid-term review of the project*

Accomplishments/Progress to-date: Except of our online modules, many of the direct activities had been curtailed by the pandemic. The project has now been renewed with new partners at the University of Lincoln and Extension services and a high school student.

Did this deliverable include an educational intervention: Yes / No

- **Deliverable 11:** *Formal meeting of NE One Health Team to review Phase I implementation*

Accomplishments/Progress to-date: We conducted our formal meeting of the NE One Health team in late August 2021.

One Health partners have met for disease and injury related investigations. For example, the team is conducting an investigation of the environment, animals, and humans exposed to high levels of neonicotinoids following an environmental disaster at an ethanol production plant in Mead, Nebraska.

Did this deliverable include an educational intervention: Yes / No

- **Deliverable 12:** *Develop tick-borne disease module*

Accomplishments/Progress to-date: We are revising the online format and content and filming field interviews. We will share the module at the Summer 2022 Nebraska tick and tick-borne disease symposium for expert feedback. This symposium will also be used as an opportunity to identify additional researchers for supplemental field and laboratory interviews to dive into real-world applications of zoonotic disease research.

Did this deliverable include an educational intervention: Yes / No. Please note that the impact of the module on student understanding of One Health careers will be evaluated after the module is complete and publicly available as part of the deliverables funded in our 2022 YIA award.

- **Deliverable 13:** *Development of COVID level in Zoonemic*

Accomplishments/Progress to-date: The development of the COVID level in Zoonemic will occur after building the learning module. The questions and answers for the game will come from this module.

Did this deliverable include an educational intervention: Yes / No

(If Yes, please complete the Impact Chart appended to this report.)

- **Deliverable 14:** *Conduct final evaluation, review results, prepare policy paper on project, and prepare for potential publication.*

Accomplishments/Progress to-date: This will take place during the last 3 months of extended project.

Did this deliverable include an educational intervention: Yes / No

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2) As relevant, describe areas of concern or challenges in meeting the objectives or providing deliverables especially as it relates to COVID-19. Our 2021 deliverable timelines were impacted by the ongoing COVID-19 pandemic and contract delays. All contracts were finalized in late 2021, and our team is on track to complete deliverables by the end of the no-cost extension period (July 31, 2022).

3) Please provide an update on your evaluation goals and timeline.

Evaluation of activities for youth participants will be conducted by the Methodology and Evaluation Research Core Facility (MERC) at UNL, which was formally included in our 2022 YIA grant project team. The MERC team offers extensive experience evaluating diverse projects with state, federal, and foundation funding. Formative evaluation feedback on the digital badging modules and other education activities will be presented to the program team in Phase I of the 2022 award. The impact of the activities relative to the program's goal and objectives will be assessed in the summative evaluation in Phase II of the 2022 award. The formative and summative evaluations will rely on a combination of qualitative and quantitative data. Participation of target groups (middle and high school youth) in educational activities will be tracked, and participants will be surveyed regarding zoonotic disease knowledge, and awareness of and attitudes toward One Health careers, interest in health in the human-animal-environment interface, and willingness to engage in zoonotic disease prevention behaviors.

4) If you have materials you are already distributing, please upload a PDF or a link to the Basecamp site

<https://3.basecamp.com/3164497/buckets/2026830/vaults/306679424>

The new One Health career and tick/tick-borne disease digital badging modules are being developed and refined. Links to the online, publicly-available modules will be shared with broader YIA teams for review in Summer 2022.

Impact Chart

*If the activity/deliverable described is/included an **Educational Intervention**, please complete this portion of the report - N/A*