## The Current Status of Physical Education at Schools for the Blind in the USA

Lauren J. Lieberman¹, Justin A. Haegele ${ }^{2}$
${ }^{1}$ The College at Brockport, ${ }^{2}$ Old Dominion University

## INTRODUCTION

Schools for the blind provide well-rounded education programs that include services
specifically designed for individuals with visual impairments e.g., orientation and specifically designed for individuals with visual impairments (e.g., orientation and
mobility). However, at this time, little is known about current physical education mobiiity). However, at this time, ilitle is known about current physical education
practices a schools for the blind from a research perspective. Therefore, the
purpose of this study was to determine the current status of physical education praurces of this study was to determine the current status of physical education
pat schools for the blind in the U.S.

## METHODS

Instrument
A questionnaire was utilized to collect data for this study. The questionnaire was developed with four subsections: (a) teacher characteristics (7 questions), (b)
teaching practices (15 questions), (c) student population (8 questions), and (d) teaching practices (15 questions), (c) student population (8 questions), and (d)
facilities (5 questions). The purpose of the questionnaire was to explore physical facilitites ( 5 questions). The purpose of the questionnaire was to explore physical
ducators 'experiences of each of these subsections at schools for the blind in an ffective and efficient manner. A variety of question formats were utilized, includ closed-ended (e.g.,
answer) responses.
Participant Recruitment Procedures
The target participants were physi cal education teachers currently teaching at a
school for the blind in the US. In order to obtain contact information for each of
 dentified using the 2013 -2014 membership list of COSB. Names of the schools and
webpage addresses for 45 members were available on the COSB website and were wintaill recorded. Second, the eunthors sisited the webpages for each oft the 45
members of COSB to determine if the member was a residential school for the members of COSB to determine if the member was a residential school for the b with physical education programs. Of the 45 members, nine were eliminated
because they were either (a) not schools $(n=3)$, (b) distance education program $(n=1)$, (c) using an itinerant model after the residential school closed ( $n=2$ ), or (d) did not have a functioning physical education program ( $n=3$ ). A number of these schools were contacted to confirm these fine tings. Thirty-six resitential schoois with
physical education programs remained after the elimination of the aforementioned Chysica eutucation programs remained after the elimination of the aforementioned 36 residential schools.
ata Collection Procedure
The final version of the questionnaire was entered into an online survey plafform
Google Drive). This platform has been pilot tested for accessibility by experts at (Google Drive). This platform has been pilot tested for accessibility by experts at a
school for the blind and was demonstrated to be accessible for individuals with low ision as well as complete blindness. A link to the online questionnaire was sent via nail to all obtained email addresses in September 2015. Email reminders with the questionnaire link were sent five times over a ten week span (i.e., one time every
two weeks) to maximize response rate. This questionnaire included no identifiable information of the participants (e.g,s, what school they worked for), ensuring nonymity for all participants. Those who received the email and did not want to
 recruitment and data collection nproceaures were approve Data Analysis
Data from closed-ended and short-response open ended questions were analyzed desalypively, using frequencies and percentages. One question . warrantea ada analysis and a content analysis-inductive process was utilized. Specifically,
responses were entered into an excel spreadsheet and organized into themes. A description of each theme, and frequency of responses in each theme, are displaye


DISCUSSION/ CONCLUSIONS
Major Points
Haten (2003) indicated that the population of students who attend schools for the blind has shifted from predominantly those with visual impairments and
other disability, to those with multiple disabilities. Results from this study support Hatlen, where few $(n=4)$ teachers reported that all of their students had a visual impairment and no other disability. More commonly, teachers reporte
teaching students with a mix of different disabilities, in addition to visual Leaching students with a mix of different disabiilties, in adation to visual teaching physical education in schools for the blind take into consideration and meet the needs of this diverse population.
A number of strengths of programs emerged from the results of this study. Mo
importantly, all teachers reported that their schools provide physical education mportantly, al teachers reported that their schools provide physical education They are e also utilizizng curricula that are tied to their state and national standard and are offering a variety of afterschool sports. By providing curricular framed by state and national standards, like those provided to same-aged peers in
community or public schools with some modifications as needed, students wit visual impairments are much more likely to meet ECC components of selfdetermination, socialization, and independence (Lieberman, et al., 2014) and
participate in and garner the benefits from physical activity. articipae in and ga Although strengths emerged, a number of concerns were also made evident by
this study. Most importantly is the lack of validated assessments in the field an therefore the limited use of validated assessments, and the need for additiona training for the teachers related to children who ore deaflind, who have
ASD/VI, or have severe and profound disabilities. The field of physical education has very few assessments in general and eeven fewer that are validated for children with visual impairments. The only two physical activity
assessments validated for children with visual impairments are the TGMD-2 assessments validated for children with visual impairments are the TGMD-2 assessments is that the population they were created with is not the population assessments is used with in this case. Utilizing validated assessments that are
they are being used
available, and working to create more validated assessments should be a focus available, and working to create more validated assessments should be a focus
in our fiel. The second concern brought tolight in this stuyly is the need for
additional training for physical education teachers regarding ssudents with additional training for physical education teachers regarding students with
disabilities in addition to visual impairments (e.g., ASD/VI). This topic is not common one even in graduate programs in adapted physical education. Because
of this, teachers must seek out resources, workshops, classes, videos and bools of this, teachers must seek out resources, workshops, classes, videos and book this areaaro to ensure self-efficacy in this specific area of instruction schools for the blind may not match those used in previours research in these settings. Because of current enrollment trends, it is essential for future research
in this arena to consider all potential sudent populations when conceptualizing future exploratory (e.g., exploring baseline physical a cativity behaviortuand and
intervention work. In addition, the need for future training and validated future training and validated effectiveness in these arenas pertaiaining to the uniquue student populations educated at schools for the blind.

## CONCLUSIONS

The importance for physical education for school-aged individuals with visual impairments cannot be overstated. Quality programs can promote physical activity
participation while also touching upon components of the ECC. Previously mos. particication while also touching upon components of the ECC. Previously, most
attention in research in this area was given to inclusive physical education experiences or residential physical education for those whith visual impairments and
no additional disabilities The purpose of this stady wat no adaitional disabilities. The purpose of this study was to focus attention on the
experiences of physical education teachers at schools for the blind. Because of this study, we have important information that could be utilized to further develop
physical education programming at schools for the blind around the country that is physical education programming at schools for the blind around the country that
appropriately created and implemented for all enrolled students.

