Social Capital: A Key Ingredient in the Development of Physical Activity Leadership

As accepted for publication in *Journal of Teaching in Physical Education*

July 2019

©Human Kinetics

Doi: 10.1123/jtpe.2018-0057

Julianne A. Wenner

Kimberly M. B. Tucker

Hannah G. Calvert

Tyler G. Johnson

Lindsey Turner

1	Abstract
2	Purpose: This research investigated how social capital relates to physical education (PE)
3	teachers' abilities to facilitate physical activity (PA) outside of PE class in their schools.
4	Method: Twenty-seven elementary PE teachers were interviewed. Data were analyzed using a
5	multi-step qualitative coding process ending in a cross-case analysis.
6	Results: Among the three components of social capital (trustworthiness, norms, and information
7	networks; Coleman, 1988), positive norms around PE, and more broadly, PA, were most
8	important for creating a physically active culture in schools. Trustworthiness was important, but
9	less so than positive norms, and information networks were relatively unimportant for creating a
10	culture of PA. Time was a limiting factor, because without it, PE teachers could not develop the
11	social capital needed to promote PA.
12	Conclusions: Becoming a PA leader is not just a function of will and motivation; rather, PE
13	teachers must be supported with time and positive norms around PE and PA, which requires
14	engagement of district and school leaders.
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

25 Introduction

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

With growing acknowledgement of the importance of regular physical activity (PA) for enhanced health and academic outcomes (Basch, 2010; Centers for Disease Control and Prevention [CDC], 2010), more attention is being devoted to the types of opportunities that exist in school settings for students to accrue PA, as well as opportunities to learn the knowledge, skills, and dispositions for PA. These opportunities are regularly provided during physical education (PE) classes, but there is a growing recognition that cultivating a positive culture around PA cannot solely be accomplished within PE classes (Johnson & Turner, 2016). To promote a schoolwide culture that provides and values PA, national authorities such as the CDC (2013) and the Society of Health and Physical Educators (SHAPE America, 2013) have advocated that all schools develop a Comprehensive School Physical Activity Program (CSPAP). A CSPAP is a multi-faceted, comprehensive strategy to ensure school-aged children and youth receive quality PE and opportunities for PA before, during, and after school. The inclusion of school personnel and family and community members in these efforts is a key aspect of implementation (CDC, 2013; Centeio, Erwin, & Castelli, 2014). Each school's CSPAP should provide coordination and synergy across various components and stakeholders (CDC, 2015); yet, a common question pertains to who should lead these efforts. The CDC (2013) recommends that the first step in creating a CSPAP is to designate a PA leader (PAL), and to select a person who is invested in PA and student health. It has been argued that the person best-positioned and most qualified to be a PAL is the school's PE teacher (Castelli & Beighle, 2007). Given the vital role that a PAL can play within a school for developing, promoting, and leading the implementation of a CSPAP, this research attended to characteristics of PE teachers

and school cultures as they relate to PA opportunities. Specifically, the research investigated how

social capital (Coleman, 1988) relates to PE teachers' abilities to facilitate PA outside of PE class in their schools. As others have noted, it is crucial to consider how a CSPAP champion (or PAL) can engage human capital in efforts to accelerate school-wide changes (Webster, Beets, Weaver, Vazou, and Russ, 2015). Encouraging others to support new initiatives often requires a great deal of social capital; therefore we framed our research in terms of Coleman's (1988) components of social capital (trust, information networks, and norms). Further, while issues of social capital and CSPAP implementation are relevant to all schools, this work focused solely on elementary settings due to several substantial differences between elementary and secondary settings. For example, elementary schools often have fewer PE teachers, PE classes scheduled on just a few days per week instead of being an elective scheduled every day for a semester, and they often provide PA opportunities outside of PE such as recess and classroom PA, while this is often uncommon at secondary levels (CDC, 2015). Our research was guided by the following research questions:

- 1. In what ways were components of social capital related to PE teachers' abilities to facilitate PA outside of PE class within their schools?
- What enabled or constrained the development of social capital for PE teachers to becomea PAL?

PE Teachers as PALs: An Uphill Battle?

As noted previously, the task of leading the development and implementation of a CSPAP is often given to the school's PE teacher. However, there is some evidence that not all PE teachers see being a PAL as desirable and/or feasible (Webster et al., 2015). In many schools, resources are limited and PE teachers' workloads are substantial (Turner, Johnson, Calvert, & Chaloupka, 2017), making it nearly impossible for a PE teacher to take on additional

- 71 responsibilities, whether they desire a leadership role or not (Jones et al., 2014). Additionally, PE
- teachers may not have been adequately prepared to be a PAL (Goc Karp, Scruggs, Brown, &
- 73 Kelder, 2014). SHAPE America (n.d.) notes that effective PALs must possess:
- In-depth content knowledge about national guidelines and standards for PE, as well as
 knowledge about how PA benefits students;
- Leadership skills to inspire others to facilitate sustainable change that promotes a culture
 of PA and wellness;
 - Communication and promotional skills; and

87

- Collaboration skills to build strong relationships with diverse stakeholders.
- 80 Several university-level PE teacher education programs have restructured teacher preparation
- 81 experiences to be more aligned with the CSPAP framework, and to better prepare new PE
- teachers for the role of a PAL (e.g. Carson, Castelli, & Kulinna, 2017). Yet, for many PE
- 83 teachers, both in-service and pre-service, the requisite training for skills in leadership,
- organization, adult training, and coordination has not been provided (Goc Karp et al., 2014).
- Thus, while many PE teachers are naturally passionate about PA, they may need to be
- 86 empowered to learn the skills necessary to assume PAL responsibilities (Webster et al., 2015).

School Contexts for PE Teachers

- PE has historically been marginalized due to a number of issues, including low collegial
- 89 support, isolation, and a lack of opportunities for targeted professional development (Beddoes,
- 90 Prusak, & Hall, 2014). These issues must be taken into account when exploring the concept of
- 91 PE teachers as PALs, because marginalization can negatively impact the success of PE teachers
- 92 (Gaudreault, Richards, & Woods, 2017). Many PE teachers report feeling lower support in their

content area compared to other teachers, and perceive that administrators do not support the PE programs (Barroso, McCullum-Gomez, Hoelscher, Kelder, & Murray, 2005).

In addition, structural issues may predispose PE teachers to feel isolated. The most common staffing arrangement for US elementary schools is to have only one PE teacher per school, or even fewer in circumstances where one teacher is assigned to more than one school (Turner et al., 2017). This can lead to isolation, and a lack of a sense of professional community (Curtner-Smith, 2001; Gaudreault et al., 2017; Parker, Patton, Madden, & Sinclair, 2010; Stroot & Ko, 2006). When teachers do not have a community in which they can learn from peers, they can feel professionally stagnant. When they are not valued by other peers and school leadership, this can lead to burnout and departure from the profession (Gaudreault et al., 2017).

Theoretical Framework

Consistent with much of the educational research related to social capital (Dika & Singh, 2002), Coleman's (1988) conceptualization of social capital frames this research. Coleman notes that social capital is a resource that can facilitate actions of people within social structures; that is, possessing stronger social capital can help an individual mobilize resources and spark action because it can be accumulated over time and leveraged to accomplish difficult tasks (Smylie & Evans, 2006). In Coleman's conceptualization of social capital, three main components are developed through social interactions: trustworthiness, information channels, and norms.

Trustworthiness is described in terms of 'credit slips' and obligations, in that one must be able to trust that when providing a resource or service to someone else, they will somehow be repaid or the action will be reciprocated. Information networks are the sources through which one can access important and relevant information related to the social structure, with minimal effort.

These networks can influence behavior by introducing new or limiting information for taking

particular actions in the organization (Smylie & Evans, 2006). For the purposes of this research, we use the ease and frequency of communication with others within the school (e.g., other teachers, principal, staff) as a proxy for information networks. And finally, norms, or rules within a social structure, help to promote certain actions and restrain others; the norms themselves—as well as knowledge of these norms—allows one to behave in particular ways and can motivate organizational change (Coleman, 1988).

We find this conceptualization of social capital to have value when considering how a PE teacher might move into the role of a PAL within the social structure of a school. For example, a PE teacher may not have an adequate budget for new PE equipment for the upcoming school year. If the PE teacher has sufficient social capital, he or she might easily share word of this need to the rest of the school (information channels). Administrators or colleagues see the importance of the PE teacher's requests because PA is highly valued in the school (norms) and rally behind the teacher's request. Then, because the PE teacher frequently collaborates with classroom teachers, those classroom teachers donate to the cause (trustworthiness). Conversely, if a PE teacher possesses weak social capital, requests for equipment may be ignored or perceived as unimportant, and thus, the requests go unfilled or are denied.

On the surface, all three components of social capital may appear to be equally important, but as Ekinci (2012) notes in summarizing research about social capital, trust is the "key element of social capital and its most important determinant" (p. 2517). Others (e.g. Bryk, 2010; Bryk & Schneider, 2003) concur that trust is *the most important* component in social capital when considering organizational improvement and change. Researchers have, however, also documented that norms may be the foundation upon which relationships and trust are built

(Penuel, Riel, Krause, & Frank, 2009), causing a lack of clarity as to which component of social capital must develop first.

Social capital is a key factor in the diffusion of innovation (Frank, Zhao, & Borman, 2004), which is important when considering how PE teachers may implement a 'new' CSPAP model within their schools. With respect to the implementation of new policies and ideas, the stronger the components of social capital, the more likely the implementation is to be successful (Smylie & Evans, 2006). Given how powerful social capital can be in terms of organizational change and accepting new initiatives within schools, there is increasing interest in how teachers create the relationships that support the development of social capital (Bridwell-Mitchell & Cooc, 2016). This study takes an initial step in this line of inquiry, specifically considering the unique context and culture surrounding elementary school PA and the roles of PE teachers.

149 Methods

The intent of this study was to investigate how social capital relates to PE teachers' abilities to facilitate PA outside of PE class in their schools, and thus learn more about the process and feasibility of a PE teacher becoming a PAL. Based on the literature, we believe that a PE teacher would need to possess components of social capital conducive to this type of leadership. Additionally, given the realities of teaching, we wanted to explore what might enable or constrain the development of social capital for a PE teacher to become a PAL.

Participants and Setting

Participants for this project were 27 elementary school PE teachers employed in six school districts in the Intermountain West. Data collection occurred between January and April 2017. To recruit participants, we first began by sending emails to district administrators at seven school districts within 60 miles of the research institution. We then emailed all of the districts'

elementary school (grades K-6; 78 total schools) PE teachers, inviting them to participate in an in-person interview. Recruitment used an open sampling approach (Patton, 2015), whereby all responding teachers were interviewed until saturation was reached. A total of 27 interviews were completed, representing 33 of the 78 schools. Teachers were offered a \$50 gift card as an honorarium. Characteristics of the teachers, schools, and school districts are provided in Table 1. These participants teach at schools where students come from a variety of racial/ethnic and socioeconomic backgrounds.

Data Collection

After IRB approval was obtained, interviews were conducted by four of the authors. Each participant met in-person with an interviewer outside of instructional time. Interviews were conducted at a location of each teacher's choosing, such as his or her school office, or a quiet offsite location. All participants consented prior to beginning the interview, with written documentation of informed consent. The 27 interviews were digitally recorded, and transcribed verbatim. Interviews lasted 18 to 58 minutes (M = 34.2 minutes, SD = 9.8 minutes).

The semi-structured interviews (Roulston, 2010) utilized an interview guide to ensure coverage of topics relevant to our research questions. The questions were developed collaboratively by the interviewers, with the goal of gathering relevant contextual information about the school and specifics of each teacher's work arrangement and instructional responsibilities (e.g. *How often do you teach students in PE class and for how long?*); to assess collaboration opportunities and perceived norms regarding PE and/or PA (e.g. *Are you able to participate in professional learning community time with other teachers at this school?*); to explore perceived needs and barriers to PE and/or PA (e.g. *What potential barriers would inhibit you from supporting other teachers in using PA breaks in their classrooms?*); to assess

individual attitudinal factors (motivation, confidence) that may be associated with PA leadership (e.g. *To what extent do you feel that you are able to make sustainable changes in the culture of your school for keeping students physically active?*); and to allow spontaneous sharing of relevant information. Given that questions broadly covered themes related to school PA, but PE practices were also discussed, many of the analyses present the term "PE and/or PA." This can be taken to refer to themes surrounding all school PA practices, including PE.

Data Analysis

Data analysis employed a multi-step process, to allow the researchers to examine the nuances between participants and schools. Each step is further explained below.

Step one: Component coding. All transcripts were entered into Dedoose (SocioCultural Research Consultants, 2017) to organize and manage the data. Prior to the first round of data analysis, the first two authors developed a code book with descriptive codes (Saldaña, 2016) for PA, facilitators and barriers to developing social capital, and codes that were consistent with the three components of social capital as they would be applied in a school setting. These two authors coded four transcripts independently (eight total) using these codes, then met to refine coding definitions based on emergent ideas in the transcripts and resolve any discrepancies. After this meeting, the first author coded the remaining 19 transcripts independently using the coauthored codebook (See Appendix A).

Step two: Holistic magnitude coding. After all transcripts were coded with these descriptive codes, the first two authors applied magnitude coding (Saldaña, 2016) of high, medium, or low for each component of social capital, level of PA, and supports/barriers holistically for each participant to indicate the extent to which these concepts were present and/or supportive of PE and/or PA in their experiences (See Appendix A). Magnitude coding has been

used by other educational researchers (e.g. Vincent & Kirby, 2015) to 'quantitize' qualitative data by intensity or presence (Tashakkori & Teddlie, 1998). In this research, magnitude coding allowed for the building of individual cases for each participant in terms of social capital and levels of PA. Additionally, as Saldaña (2016) notes, although some researchers are uncomfortable with quantitizing qualitative data, magnitude coding is a way to "add texture to codes" (p. 86). This additional step of magnitude coding added depth to the current analysis.

Step three: Cross-case pattern coding analysis. Finally, each teacher's case was entered into Excel and sorted by levels of PA to more deeply explore the relationships between levels of PA and levels of social capital components. Table 2 provides a visual representation of each teacher's case that was placed alongside the participants' demographic and school data to look for patterns (Saldaña, 2016), as the spreadsheet was sorted by different characteristics. For example, the data were sorted by gender then by levels of norms, to observe any relationships that emerged from the data. This was done for each permutation of characteristics documented in Table 1 to inductively analyze the data. Note that due to the sensitive nature of the data, participants are not labeled with their demographic and school data.

Analytic memos throughout analysis. During each data analysis phase described above, we jotted down noticings and questions about the data. For example, one participant mentioned that she believed some classroom teachers did not integrate PA into their classrooms because they had personal issues with physical fitness. As this is an intriguing statement, we created an analytic memo (Saldaña, 2016) on this topic and re-examined the data to see if this was a one-off statement or if other participants made similar comments. This procedure was repeated throughout the entire data analysis process.

Subjectivity Statement and Measure to Ensure Trustworthiness

Four of the five authors have conducted research about PA and PE in local schools for at least three years each, and two of the authors train preservice PE teachers and provide ongoing professional development to inservice PE teachers. In this way, these four authors could be considered 'insiders' (Dwyer & Buckle, 2009) in that they are a part of the local PE and/or PA efforts and are familiar with relevant policies, programs, and stakeholders. The first author has not been part of these efforts and did not participate in the data collection or other PA outreach and/or programming with the other authors. The first author joined the project at the data analysis and writing phase, and is certainly an outsider (Dwyer & Buckle, 2009). Given the ongoing debate as to whether it is preferable to be an insider or outsider in qualitative research, we believe that having both in the research team is an asset. The insiders were able to use their knowledge to ask relevant questions and understand contextual issues particular to PE and/or PA while the outsider was able to look at the data with fresh eyes and consider what the data communicated without preconceived notions of the meaning.

Keeping in mind Tracy's (2010) eight "big tent" criteria for high quality qualitative research (worthy topic, rich rigor, sincerity, credibility, resonance, significant contribution, ethical, meaningful coherence [p. 840]), we have taken steps as a research team that address each of these to ensure that this research is useful to the larger community. First, we see the topic of PE and/or PA leadership to be timely and we sought to craft a study that would help us better understand 'what is' in terms of PALs so we can better theorize about 'what can be.' We endeavored to be transparent and detailed in our purposes, methods, and findings so readers may feel confident about the rigor of the study. We also sought 27 different viewpoints for this research in order to triangulate data; this allowed for broader, more consistent patterns to emerge from the data, which in turn lets readers better trust our conclusions. Finally, it is of the utmost

importance to us that teachers (PE or otherwise) be portrayed respectfully and that researchers assume the best intentions; as a result, we have been thoughtful in how the findings were reported.

256 Results

253

254

255

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

This section begins by sharing themes related to social capital that were found in relation to different levels of PA, then discusses factors that may contribute to or hinder the creation of social capital.

Of the 27 participants, nine indicated high levels of PA in their schools (three female and six male teachers; 18% of all female participants and 60% of all male participants). These nine participants listed many PA strategies that either they or the school facilitated, such as running/walking programs during lunch and/or recess, obtaining grants for events or equipment, having a high number of teachers in the school using classroom PA breaks, and holding PA events during parent/family nights. For those working at high-PA schools, they often listed at least four or more PA events/programs which they were personally responsible for facilitating. On the other end of the continuum, eight participants reported fairly low levels of PA in their schools outside of PE class. These participants often indicated that some teachers in the school were using classroom PA breaks, and then stated that although they wanted to start some sort of PA activity (e.g., running club, intramurals), they had not yet done so or did not feel it was possible given their circumstances. The remaining ten participants indicated medium levels of PA in their schools, perhaps facilitating a running club or parent event, but not multiple PA activities as was seen with the nine participants in the high-PA schools (see Table 2 for more details). We believe that much can be learned by deeply examining the 17 participants who fell

at the extreme ends (high/low) of our PA continuum, in light of the components of social capital.

We also discuss anomalies of themes at two medium-PA schools.

These data indicate that norms are key components for PE teachers to have the ability to

High PA Schools and Social Capital

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

facilitate PA. Of the nine participants in high-PA schools, we coded six participants as high-level in the area of norms, as they indicated that norms in their school were very supportive of PA, and they had a school culture that encouraged collaboration to promote student learning and wellbeing. These schools seemed to recognize the importance of PA for students and had support from teachers, students, and parents. This played out in several ways, such as school-supported rules for games at recess so students could self-monitor; allowing older students to 'apprentice' with the PE teacher to mentor younger students in PE and/or PA; encouraging classroom teachers to take students to different school spaces for PA; and providing more time for PE class. Perhaps more importantly, several of these participants indicated that they were viewed as an integral part of the school rather than as a 'baby-sitter' or otherwise unimportant. Charlie stated: I think sometimes you get in a sticky situation where we're [PE teachers] viewed differently. And, it was important to us...[the school PE teachers] that from the get-go, we were all viewed the same [as classroom teachers]. And, one thing you will notice, if you hang out for a little while is that kids don't get pulled from specials, they don't get pulled from PE, they don't get pulled from music. We are just as valued as they [classroom teachers] are and teachers understand that. Similarly, Barbara shared, "I feel they [classroom teachers] view me as a teacher and not just a prep period." In terms of school culture, participants in these high-PA/high-norms schools spoke

of their colleagues working together for the common goal of student success. Aaron asserted,

"It's like the old 'It takes a village to raise a child.' But it's really true, and however you can help out with that, you just pitch in and do it...We're a school, we're a family."

Trustworthiness can be viewed as 'credit slips' or reciprocity, and in the nine high PA schools, levels of trustworthiness between PE teachers and colleagues were rated as high in three schools, and at a medium level in five schools. For PE teachers with high levels of trustworthiness between themselves and their colleagues, they often spoke of 'pitching in,' as referenced earlier, and that it was fun to do more than only their PE-related activities:

I'm more than willing to go as teachers...need help. I'll pull kids if they need help with resource pieces of that. It's fun for me, every once in a while, to go back and get into a lesson. And it's good for them to see me in another light other than the PE teacher. I can do other things to work with them and it opens up a lot of different avenues with kids and that's a really cool thing. When they see you in more than just the PE role and how you're willing to come out and help with reading or math and get involved in a different dimension. (Aaron)

While some participants went beyond the gymnasium walls to support student learning, other participants brought classroom content into the gym, such as Cindy, who shared, "I love doing cross-curricular activities so I will ask teachers, 'What is your theme this week? Are you working on solar systems? What is the science emphasis?' And if I can I [will] incorporate that into my PE activities." In return, these participants found that classroom teachers were then very supportive of PE and/or PA activities: "If I open up, they're more willing to work with me in situations. So it's a win-win for everybody" (Aaron). For those in high PA schools with medium levels of trustworthiness, participants indicated that some classroom teachers were willing to help with running clubs or PA events and in return, they would attempt to integrate classroom

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

content into PE class when it fits; Charlie noted, "We try to make that [content integration] work as much as we can without taking away what they come to have when they come to PE."

Interestingly, the information network/communication component of social capital did not seem to be as tightly related to high PA as the other two components of social capital. Out of the nine high PA schools, four participants indicated low to nonexistent information networks within their schools (i.e., with general education teachers), two indicated medium levels of communication, and three indicated high levels of communication. For those who had low levels of communication with others in their school, they often shrugged this off as teachers having "so much on their plate, they have so much to do" (Dan), and they felt that any communication in terms of sharing strategies or asking them to collaborate would be difficult or ill-received. Many of these participants only had time to speak with classroom teachers as they were picking up or dropping off their class. The two participants who indicated slightly more open communication with others in their schools stated that they had attended classroom teacher collaboration (or professional learning community) time in the past and felt welcomed to do so now; however, similar to those who felt they had low levels of communication with teachers, they stated that classroom teachers have so much to do, they did not want to interfere with collaboration time if they did not need to. Finally, the three participants who felt they had high levels of communication with their colleagues either sent out emails containing strategies and helpful websites on a regular basis, or often dropped in on collaboration times and other grade-level conversations just to check in with classroom teachers.

Low PA Schools and Social Capital

In low-PA schools, once again norms were seen to be the most important component of social capital in terms of PA practices. Five of the eight low-PA school participants had low

levels of all three components of social capital, which seemed to stem from detrimental norms around PE and/or PA. Unfortunately, these participants felt unsupported, that PE and/or PA was not valued, and that they were isolated as professionals. Jarrod attributed the root cause of this disenfranchisement to state-level policies, whereby teachers do not need to be certified to teach PE. He voiced the belief that this leads classroom teachers to treat *all* PE teachers (even those who are certified) as non-certified employees, and PE as an unimportant subject. He noted:

I think PE takes a backseat. I have teachers who come to me and say, "Well, I have this kid who does not want to run because he does not like running" and I think, "But it is PE, and would you go tell their reading teacher, 'This student does not like to read. Should they not read in their reading class?' You are not going to tell a reading teacher that so why are you telling me that? Why?" And right there is probably the problem...Those teachers would never want to incorporate physical activities in the classroom because in their life they don't see it as a valued thing and so it they would never want to put it into their classroom time either because they would say it is a waste of time.

Certainly, it is evident how the norms/values in a school such as this could make it difficult for a PE teacher to develop a culture of PA in the school.

There were two participants (Maria and Henry) in low-PA schools who had medium levels of both trustworthiness and communication/information networks in their schools, but still had poor norms around PE and/or PA, which illustrates the importance of creating productive norms. In these cases, the participants described positive, reciprocal relationships with their colleagues, and healthy communication patterns about school issues, but indicated that classroom content often took precedence. One participant in a low-PA school (Quiana) indicated more healthy norms ('medium' level) around PE and/or PA; many teachers have flexible seating and

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

they feel that the newer teachers (rather than veterans) seem open to incorporating more PA into the school day. So, although Quiana indicated low levels of communication and trustworthiness (in terms of reciprocation from classroom teachers) due to being new to the school, this teacher may have opportunities to enhance the PA culture at that school.

Medium PA Schools and the 'Norms Anomalies'

Although the findings regarding high-PA and low-PA schools are illuminating, we believe it is important to discuss two of the participants, Eva and Francesca, who were in medium-PA schools and also reported poor norms around PE and/or PA. These two teachers reported low levels of trustworthiness (in terms of reciprocity) and communication. Given the relationships observed earlier between levels of PA and the norms in the school around PE and/or PA, we dug deeper into these interviews to explore how these PE teachers seem to be working around poor norms. Eva reported that classroom teachers treat 'specials' teachers (PE, art, music and library) as "babysitters for collaboration time" and as if their "time is disposable." She is seeking to change that culture, but for now, reported having some support from her principal to allow her to obtain professional development workshops specific to PA and/or PE, as well as possibly provide PA workshops for teachers. Thus, although the norms surrounding PA and/or PE overall in the school are not optimal, Eva has a supportive principal. Francesca, on the other hand, appeared to be able to overcome these poor norms out of sheer passion for the work. She stated, "I've chosen this as my mission...these are my kids. They're very needy kids, so I'm doing it for them." This theme was revisited time and again during the interview, and she shared that she often spends up to \$500 of her own money each year to support her 'mission' to provide PA opportunities for their students. Consequently, both of these teachers illustrate that although productive norms around PE and/or PA are key factors in promoting schoolwide PA, having a

passion for the work, plus support from the building principal, may allow PE teachers to overcome unhealthy norms.

Time and the Development of Social Capital

Only one factor consistently arose as both a facilitator and barrier for developing social capital and, in turn, school PA: time. Of the eight low-PA schools, three participants (Nancy, Ian, and Paige) teach at multiple schools, and two participants (Olive and Jarrod) are part-time. Each of these five participants indicated that they did not have time to build relationships with teachers, attend meetings, or cultivate productive norms around PA. For example, Ian stated,

I would like to do recess duty, go over playground rules, but being at two schools, it's hard to make sure that they are following the rules when I am not here...[And] it would be nice to go in and teach them [students and teachers] how to do something in their classroom, but schedule-wise, we would have to take up their PE day to be in their classroom, and then they would not have PE for the week...It's a scheduling thing.

Nancy lamented:

I used to have more time [when working at only one school] to help plan our staff wellness and doing things outside of school time as a staff. But I don't have as much time for that anymore. I wish we just had more time so we could do our job a little bit better. Similarly, Olive noted she had previously facilitated a walking club, but being part-time, she can no longer accomplish that. Two of the remaining three participants (Henry and Quiana) at low-PA schools work at very large schools (700-800 students), which means more classes and more grading, and less time and energy to plan additional PA.

Of the participants in high-PA schools, only two (Bill and Cindy) teach at multiple schools; however, these participants only discussed PA at one of their schools, as they are both in

their first year of teaching at an additional school, due to increasing workloads and fewer PE teachers in those districts. It is important to note that none of the participants in high-PA schools were responsible for instruction for more than 690 students, and some participants are in much smaller schools (300-400 students). As one might expect, this allows more time to collaborate and communicate with colleagues, and to create a culture supportive of PA and/or PE. For example, Aaron noted that because he has a bit more time in his schedule, "You know, I'll stop in and see if there's any need, can I help out at all, is there anything that can use me for. From time to time I'll let [the principal] know that I have a block of time here or there if they can use me." Throughout the interviews of participants in high PA schools, these teachers acknowledged that although their schedules were tightly packed, they had/made time for PA in their schools.

Additional Insights and Needs

The inclusion of open-ended questions allowed these participants to freely provide information that they considered relevant to our research question of how to create a culture of PA in a school. In many cases, they seemed appreciative of the chance to be heard, and to voice their needs and desires for structural changes that would help them to be more successful as teachers. One of the key elements of this open-ended feedback was that teachers desired support mechanisms for increasing their success, not only through structural and scheduling changes that would allow them more time to do their work (as noted above), but also through mechanisms to build additional skills. As Cindy noted:

This is important that we take on this role... But without guidance, and for those of us who have graduated a while back and not used to that kind of thing, it would take training. How do we do that? We may have the passion for wanting to do that, but how do we implement that in our already busy day—and physically exhausting day—in order

doesn't mean that it's a passion for everybody else.

Importantly, the interviews all seemed to confirm the desire among PE teachers to provide comprehensive PA programming in schools, and thus the lack of CSPAP implementation does not appear to be largely driven by apathy or lack of motivation among these PE teachers, but is due to structural factors such as scheduling, instructional loads, and leadership support, which can facilitate or diminish social capital and, consequently, PA practices.

to spread the message to everyone else in the building? Just because it is a passion for us,

443 Discussion

With many organizations recommending an increase in school PA through frameworks such as CSPAP, the question remains, which stakeholders are responsible and poised to best implement this change? As PA is seen as most tightly connected to PE content, PE teachers seem like a natural choice to be a PAL for a CSPAP. As our results show, however, many PE teachers often do not have the time to take on additional responsibilities, nor the social capital to ask for help, despite having the passion and knowledge for the task of being a PAL.

In a previous study examining the effectiveness of PE teachers as PALs, PE teachers were given additional supports, including CSPAP-specific professional development and ongoing technical assistance, to increase PA in their schools (Carson et al., 2014). Although PE teachers successfully added PA opportunities in line with CSPAP recommendations, it did not coincide with an increase in student PA. In the current study, however, PE teachers had not received CSPAP-specific training. The PE teachers at schools that did not have a PA-promoting culture were already facing greater barriers (e.g., larger student-to-teacher ratios, teaching across multiple schools) than were the teachers at schools with more extensive PA programming. PE teachers at low-PA schools reported barely being able to fulfill the basic requirements of their

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

contract, let alone putting in extra time to communicate with other staff about the benefits of PA. In other words, considering each school's staffing arrangements, supports such as professional development opportunities, and local context is crucial. We found that a dedicated PE teacher with strong social capital and adequate time can facilitate a very comprehensive range of PA programming (i.e., "high PA" schools). At schools where the PE teacher works part-time, however, that individual may not have the time to build trust and positive norms, nor the time to allow for the planning of PA events (i.e., activity nights, sports clubs, field day). In such situations, a classroom teacher who is full-time at the school and who regularly uses classroom PA may be able to champion changes in school PA norms. For example, such teachers would have regular contact with their peers and could credibly articulate that time spent in PA during class is not time "wasted," but rather time spent re-energizing and re-focusing their students to learn (Len Goh, Hannon, Webster & Podlog, 2017). Paradoxically, although the specialized training of a PE teacher provides authoritative content knowledge, specialists may not be valued by classroom teachers as having the same credibility as do other classroom teachers, with regard to classroom-based PA; in other words, classroom teachers may be perceived by their peers as having more valid experiences as to the challenges and logistics of incorporating PA in the classroom. Although that aspect of PA leadership was not explored in the current work, future work should consider the perspective of classroom teachers as to who they consider to be trustworthy resources for support in using classroom-based PA.

In a CSPAP, as with other school programs, how each school's principal facilitates and supports program elements is important (Lau, Wandersman, & Pate, 2016; Moore et al., 2018). If a principal demonstrates the PE teacher's expertise as valuable, that could influence teachers and increase the PE teacher's social capital (Egan & Webster, 2018). For example, a principal could

establish that PA is valued by asking the PE teacher to lead a PA break during staff meetings. Allocating resources such as professional development hours to sessions about classroom-based PA not only provides teachers with content knowledge and skill-building opportunities, but also conveys a message of support that builds a norm that supports PA. Finally, administrators can change norms through explicit encouragement and messages of support for PA in their daily interactions with teachers. In this way, while administrators are not PA content experts, they are nevertheless a crucial element of shifting norms toward valuing PA.

The current work illustrates the crucial importance of norms in creating change in schools. As Minckler (2014, p. 672) noted:

The transformational leader performs a crucial role in developing the structures, both physical (for example, shared scheduling time) and cultural (for example, norms of collegiality) that create the opportunities for groups of teachers to work together to create and use teacher social capital.

Much of this leadership rests with the principal, who can arrange schedules in ways that allow for shared time, and building the connections and trust that allows teachers to accrue the social capital that changes school culture. Principals often communicate their expectations for behaviors that would be consistent with district objectives (Smylie & Evans, 2006). Thus, a crucial next step is to explore the role of principals in developing the physical and cultural structures that allow PA to be implemented, which values the role of PE teachers, and which promotes a culture that explicitly values PA.

Limitations

Although we sought a variety of participants (e.g., variation in gender, location, school size), only one interview was conducted with each PE teacher. The perspective of a PE teacher is

not necessarily representative of the opinions of other individuals at a school. Future work could triangulate interview findings with additional interviews and observations. This study provides a snapshot of elementary school PE teachers' perspectives regarding their current responsibilities, their potential role as a PAL, and variations according to school PA characteristics. Further, while our magnitude coding of PA (low/medium/high) helped to measure whether and to what extent PE teachers had implemented some elements of a CSPAP, our interviews did not directly address the five components. Therefore, it is possible that we did not allow our participants to fully describe their CSPAP efforts. Future research should consider explicitly addressing each CSPAP components to provide more nuance into what CSPAP 'levels' might look like.

Conclusions/Future Research Directions

There is no doubt that PE teachers' skills and content knowledge are well-suited for the role of a PAL; however, it does not matter how knowledgeable, enthusiastic, and committed a PE teacher may be. If they do not have the time and resources to establish social capital, nor the explicit support of their principal, then changing the PA culture of a school is likely to be extremely challenging, if not impossible. Currently, PA leadership programs (e.g., SHAPE America) emphasize shifting the culture in the school and engaging leadership. The current research corroborates this as a sound method for improving school PA opportunities, showing that PALs need resources and tips about how to build social capital and how to meaningfully use data and evidence about the academic benefits of PA. We suggest that national efforts to support CSPAP implementation focus on district- and school-level leadership, emphasizing the value of PA and the crucial role of PE teachers in achieving the goal of keeping students active. If such efforts can effectively be used to recruit district and school leaders as allies who can provide the

structural conditions for PE teachers to build social capital, then we will be one step closer to empowering PE teachers in their efforts to promote transformational cultural change.

Acknowledgement	Ackn	owle	dgem	ent
-----------------	------	------	------	-----

This research was supported by the Institute of Education Sciences, U.S. Department of Education, through Grant R305A150277 to the Boise State University. The opinions expressed are those of the authors and do not represent views of the Institute or the U.S. Department of Education.

536	References
537	Barroso, C. S., McCullum-Gomez, C., Hoelscher, D. M., Kelder, S. H., & Murray, N. G. (2005).
538	Self-reported barriers to quality physical education by physical education specialists in
539	Texas. Journal of School Health, 75(8), 313–319.
540	Basch, C. E. (2010). Healthier students are better learners: A missing link in efforts to close the
541	achievement gap. Journal of School Health, 81(10), 593-598.
542	Beddoes, Z., Prusak, K. A., & Hall, A. (2014). Overcoming marginalization of physical
543	education in America's schools with professional learning communities. Journal of
544	Physical Education, Recreation & Dance, 85(4), 21–27.
545	Bridwell-Mitchell, E. N., & Cooc, N. (2016). The ties that bind: How social capital is forged and
546	forfeited in teacher communities. Educational Researcher, 45(1), 7-17.
547	Bryk, A. S. (2010). Organizing schools for improvement. <i>The Phi Delta Kappan</i> , 91(7), 23–30.
548	Bryk, A. S., & Schneider, B. (2003). Trust in schools: A core resource for school reform.
549	Educational Leadership, 60(6), 40–44.
550	Carson, R. (2012). Certification and duties of a director of physical activity. <i>Journal of Physical</i>
551	Education, Recreation & Dance, 83(6), 16-29.
552	Carson, R. L., Castelli, D. M., Kuhn, A. C. P., Moore, J. B., Beets, M. W., Beighle, A., &
553	Glowacki, E. M. (2014). Impact of trained champions of comprehensive school physical
554	activity programs on school physical activity offerings, youth physical activity and
555	sedentary behaviors. Preventive Medicine, 69, S12-S19.
556	Carson, R. L., Castelli, D. M., & Kulinna, P. H. (2017). CSPAP professional preparation:
557	Takeaways from pioneering physical education teacher education programs. Journal of
558	Physical Education, Recreation & Dance, 88(2), 43–51.

559 Castelli, D. M., & Beighle, A. (2007). The physical education teacher as school activity director. 560 *Journal of Physical Education, Recreation & Dance*, 78(5), 25–28. 561 http://doi.org/10.1080/07303084.2007.10598020 562 Centeio, E. E., Erwin, H., & Castelli, D. M. (2014). Comprehensive school physical activity 563 programs: Characteristics of trained teachers. Journal of Teaching in Physical Education, 564 *33*(4), 492–510. 565 Centers for Disease Control and Prevention. (2010). The association between school-based 566 physical activity, including physical education, and academic performance. Retrieved 567 from http://www.cdc.gov/healthyyouth/health_and_academics/pdf/ pa-pe_paper.pdf 568 Centers for Disease Control and Prevention. (2013). Comprehensive school physical activity 569 programs: A guide for schools. Atlanta, GA: U.S. Department of Health and Human 570 Services. 571 Centers for Disease Control and Prevention. (2015). Results from the School Health Policies and 572 Practices Study 2014. Atlanta, GA: U.S. Department of Health and Human Services. 573 Coleman, J. S. (1988). Social capital in the creation of human capital. *American Journal of* 574 Sociology, 94(Suppl), S95–S120. 575 Curtner-Smith, M. (2001). The occupational socialization of a first-year physical education 576 teacher with a teaching orientation. Sport, Education and Society, 6, 81–105. 577 Dika, S. L., & Singh, K. (2002). Applications of social capital in educational literature: A critical 578 synthesis. Review of Educational Research, 72(1), 31–60. 579 Dwyer, S. C., & Buckle, J. L. (2009). The space between: On being an insider-outsider in 580 qualitative research. *International Journal of Qualitative Methods*, 8(1), 54–63.

581 Egan, C., & Webster, C. A. (2018). Using theory to support classroom teachers as physical 582 activity promoters. Journal of Physical Education, Recreation & Dance, 89(1), 23-29. 583 Ekinci, A. (2012). The effects of social capital levels in elementary schools on organizational 584 information sharing. Educational Sciences: Theory & Practice, 12(4), 2513–2521. 585 Frank, K. A., Zhao, Y., & Borman, K. (2004). Social capital and the diffusion of innovations 586 within organizations: The case of computer technology in schools. Sociology of Education, 587 77(2), 148–171. 588 Gaudreault, K. L., Richards, K. A. R., & Woods, A. M. (2017). Initial validation of the physical education marginalization and isolation survey (PE-MAIS). Measurement in Physical 589 590 Education and Exercise Science, 21(2), 69–82. 591 Goc Karp, G., Scruggs, P. W., Brown, H., & Kelder, S. H. (2014). Chapter 10: Implications for 592 comprehensive school physical activity program implementation. Journal of Teaching in 593 *Physical Education*, *33*(4), 611–623. Johnson, T. G., & Turner, L. (2016). The physical activity movement and the definition of 594 595 physical education. Journal of Physical Education, Recreation & Dance, 87(4), 8–10. 596 Jones, E. M., Taliaferro, A. R., Elliott, E. M., Bulger, S. M., Kristjansson, A. L., Neal, W., & 597 Allar, I. (2014). Feasibility study of comprehensive school physical activity programs in 598 Appalachian communities: The McDowell CHOICES project. Journal of Teaching in 599 Physical Education, 33, 467–491. 600 Lau, E. Y., Wandersman, A. H., & Pate, R. R. (2016). Factors influencing implementation of 601 youth physical activity interventions: An expert perspective. Translational Journal of the 602 American College of Sports Medicine, 1(7), 60-70.

603 Len Goh, T., Hannon, J. C., Webster, C. A., & Podlog, L. (2017). Classroom teachers' 604 experiences implementing a movement integration program: Barriers, facilitators, and 605 continuance. Teaching and Teacher Education, 66, 88-95. 606 Minckler, C. H. (2014). School leadership that builds teacher social capital. Educational 607 *Management Administration & Leadership*, 42(5), 657–679. Moore, J. B., Carson, R. L., Webster, C. A., Singletary, C. R., Castelli, D. M., Pate, R. R., ... 608 609 Beighle, A. (2018). The application of an implementation science framework to 610 Comprehensive School Physical Activity Programs: Be a champion! Frontiers in Public 611 Health, 5, 354. 612 Parker, M., Patton, K., Madden, M., & Sinclair, C. (2010). From committee to community: The 613 development and maintenance of a community of practice. Journal of Teaching in Physical 614 Education, 29(4), 337-357. Patton, M. Q. (2015). Qualitative research and evaluation methods (4th ed.). Thousand Oaks, 615 616 CA: Sage. 617 Penuel, W., Riel, M., Krause, A., & Frank, K. (2009). Analyzing teachers' professional 618 interactions in a school as social capital: A social network approach. Teachers College 619 Record, 111(1), 124–163. 620 Roulston, K. (2010). Reflective interviewing: A guide to theory and practice. London: Sage. Saldaña, J. (2016). The coding manual for qualitative researchers. (3rd ed.). Los Angeles, CA: 621 622 Sage. 623 Smylie, M. A., & Evans, A. E. (2006). Social capital and the problem of implementation. In M. 624 Honig (Ed.), New directions in education policy implementation: Confronting complexity 625 (pp. 187–208). Albany, NY: State University of New York Press.

626	Society of Health and Physical Educators (SHAPE) America. (2013). Comprehensive school
627	physical activity programs: Helping all students achieve 60 minutes of physical activity
628	each day. Reston, VA: Author.
629	Society of Health and Physical Educators (SHAPE America). (n.d.). Physical activity leader
630	learning system. Retrieved February 13, 2018
631	https://www.shapeamerica.org/prodev/workshops/lmas/
632	SocioCultural Research Consultants, LLC. (2017). <i>Dedoose</i> , Version 7.5.16: Web application for
633	managing, analyzing, and presenting qualitative and mixed method research data.
634	www.dedoose.com
635	Stroot, S. A., & Ko, B. (2006). Induction of beginning physical education teachers into the
636	school setting. In D. Kirk, D. Macdonald, & M. O'Sullivan (Eds.), The handbook of
637	physical education (pp. 425–448). London, England: Sage.
638	Tashakkori, A., & Teddlie, C. (1998). Mixed methodology: Combining qualitative and
639	quantitative approaches. Thousand Oaks, CA: Sage.
640	Tracy, S. J. (2010). Qualitative quality: Eight "big-tent" criteria for excellent qualitative
641	research. Qualitative Inquiry, 16(10), 837–851.
642	Turner, L., Johnson, T. G., Calvert, H. G., & Chaloupka, F. J. (2017). Stretched too thin? The
643	relationship between insufficient resource allocation and physical education instructional
644	time and assessment practices. Teaching and Teacher Education, 68, 210–219.
645	Vincent, S.K., & Kirby, A.T. (2015). Words speak louder than action?: A mixed-methods case
646	study. Journal of Agricultural Education, 56(1), 32-42.

Webster, C. A., Beets, M., Weaver, R. G., Vazou, S., & Russ, L. (2015). Rethinking
 recommendations for implementing comprehensive school physical activity programs: A
 partnership model. *Quest*, 67(2), 185-202.

Table 1	
Participating PE Teachers' School Characteristics	
Characteristic	No. of teachers $(n = 27)$
Location of School a	,
City-Midsize	11
Suburb-Large	8
Suburb-Midsize	1
Town-Distant	3
Town-Remote	1
Rural-Fringe	3
District Per Pupil Spending ^b	
Under \$5500	12
\$5501-\$7000	7
\$7001-\$8100	8
Size of School	
Smaller (235-425 students)	6
Medium (426-615 students)	13
Larger (616-810 students)	8
Percentage of Students Eligible for Free or Reduced-Price Lunch	
0-25%	11
26-50%	3
51-75%	9
76-100%	4
<u>Teacher Gender</u>	
Female	17
Male	10
<u>Teacher Career Stage</u>	
Early (0-5 years)	1
Middle (6-15 years)	12
Later (16+ years)	14
^a These categories are defined by the National Center for	
Education Statistics, using urban-centric locale codes.	
Data are from 2015-2016 state school data source.	

Table 2					
Data Analysis Representing Final Code Assignments					
Teacher Identifier*	Trustworthiness	Information Networks	Norms	PA	
Aaron High		High	High	High	
Alice	Medium	High	High	High	
Barbara	Medium	Medium	High	High	
Bill	High	Low	High	High	
Charlie	Medium	High	High	High	
Cindy	High	Medium	High	High	
Dan	Medium	Low	Medium	High	
Elliott	Medium	Low	Medium	High	
Frank	Low	Low	Medium	High	
Daesha	Medium	Medium	High	Medium	
Gabriela	Medium	Low	High	Medium	
Eva	Medium	Low	Low	Medium	
Francesca	Medium	Low	Low	Medium	
Gail	Low	Low	Medium	Medium	
Hayley	Low	Low	Medium	Medium	
Iris	Medium	Medium	Medium	Medium	
Joslyn	High	Medium	Medium	Medium	
Kayla	Medium	Medium	Medium	Medium	
Laura	High	High	Medium	Medium	
Maria	Medium	Medium	Low	Low	
Nancy	Low	Low	Low	Low	
Olive	Low	Low	Low	Low	
Henry	Medium	Medium	Low	Low	
Ian	Low	Low	Low	Low	
Jarrod	Low	Low	Low	Low	
Paige	Low	Low	Low	Low	
Quiana	Low	Low	Medium	Low	

Appendix A: Codebook

Code	Definition	Sample Quotes	Holistic Levels for Individual Cases
Physical activity (PA)	Programs/ activities that get students moving outside of PE current or future	"We got a walking program. We offer a jump rope program. If there's anything out there that the district has. We're going to put on a fun run this May for the first time and I'm going to organize that. We participate in the National walk to school thing." "I'm just doing my best to encourage teachers to teach their students games that they can play outside of PE, that they can play out on the playground." "We just do field day or activity day and that's it."	Low – Maybe some teachers doing brain breaks; perhaps one PA activity Medium – Many/all teachers using brain breaks; 2-3 PA activities throughout the year High – Many/all teachers using brain breaks' 4-5 PA activities throughout the year
Facilitator of development of social capital	Someone or something that directly supports the development of trust, information networks, or norms supportive of PA	"Thank you [to] our principal, because he's been really intentional about using our time wiselywe have to give teachers time and so one thing that he's donehe has designed for us actually take away one of those staff meetings and use that for an extra PLC time in addition to the Wednesday ones. So because my Wednesday ones are full with specific PE teachers, then on the staff meeting days then I can join my other groups at their grade levelI also can use that time to go and approach classroom teachers."	
Barrier to development of social capital	Someone or something that prevents/ precludes the development of trust, information networks, or norms supportive of PA	"My schedule is pretty packed with less flexibility this year as I've had in years past because of the amount of kids we have. So I got pretty full afternoons and things and going through my morningsIt hasn't been as much this year but in years past, I've reached out." "But I don't have the extra time. When I say no, it's because I can't do it all." "So that's kind of the challenge of it all, in terms of us even getting to the point where we're asking, 'What do you need? In 5th grade, what do you need or is there anything I can do for you?' We don't really have time for that. We're busy doing our thing." "Sometimes when I'm changing schools I don't actually get a chance to know the teachers well." "I'm pretty busy. I have the second busiest PE schedule in the school district and so I don't get to get into other classrooms as frequently anymore."	
Trust- worthiness	A two-way relationship, specific actions of give/take	"We have a great relationship in this school where they respect me and I respect them and what they do."	Low – Poor relationships with classroom teachers; no reciprocation; much separation between

	between PE teachers and others in the school	"As a PE teacher, I feel like I bend over backwards. My gym gets taken from me, I'm doing stuff in the classroom or I am trying to do stuff outside the classroom and I feel like it's not reciprocated." "But no, there's not a lot of sharing between the PE teacher and the other teachers as far as the group goes."	classroom teachers and PE teacher Medium – Some reciprocated relationships with classroom teachers, but infrequent High – Strong relationships with classroom teachers; several instances of reciprocation in the relationships
Information networks	Evidenced by acts of easy communication, either the PE teacher sharing information with others or the school having easily accessible channels for information sharing	"If I come up with an idea I'll send out an email to them with a link. 'Check it out This looks like a good thing that might benefit you in the classroom.'People have sent me links and stuff and I looked over them and if I thought they were beneficial, we've shared it that way." "I've never gone in to a classroom teacher and sat down and had a discussion of here's what we do."	Low – No/very little communication with classroom teachers Medium – Some communication with select classroom teachers or groups of teachers, but infrequent High - Regular communication with classroom teachers about PE/PA and evidence of regular two-way communication
Norms (related to PE/PA)	How the school values/behaves related to PE/PA – the importance place on this as well as the culture related to PE/PA in the school	"One time my principal, at a staff meetingthe majority of the time he was standing and moving while he was delivering all of the whatever the staff meeting was. It had nothing to do with activity or the reason why he was just [taking the stance that] at that meeting we are going to move during the meeting. It was fun. Everybody was smiling I'm not sure how much was retained from whatever was being presented but the message was delivered: Movement can be fun." "PE is undervaluedWe get a lot of, 'Just run them. Just make them run around a whole bunch.' And that's PE: Go run around. That kind of irks meIt drives me nuts when I hear kids saying, 'I am going to gym class.' It's not gym class. This is PE. There's a difference." "[The principal will] just send out an email that says, 'Remember that specials are as important as your class. Don't keep your kids or if there's a specific reasonthen just come talk to me but don't just not have them come to my class.' So she's really supportive. I have two or three new people [who think] that PE is just fluff, but they will learn. They'll learn from our building and I think some of them have come around to why it's so important."	Low – PE/PA not valued and/or PE teacher not respected as a colleague Medium – PE teacher respected as a colleague, but PE/PA still somewhat viewed as 'less important' than classroom content High – PE/PA valued and movement recognized as an integral component of students' education