# Strategies for Effective Data-Use in Physical Education SHAPE America National Conference

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# **Example #1: Outcome Data Drives Instruction**

Organized by Skill

Student	Steps & Sequence	Moves to the Beat	Participation Outside of PE	Encouragement & Feedback	Total
Beyoncé Dance-a-Lot	4	4	4	1	13
Movin' Marvin	4	4	2	2	12
Supportive Susan	3	3	2	4	12
Negative Nick	3	3	1	1	8
Shy Shelly	2	3	1	2	8
Timmy Two-Left-Feet	1	1	3	3	8
Class Mean	2.8	3.0	2.2	2.2	10.2

Notes:

Organized by Participation Outside of PE

Student	Steps & Sequence	Moves to the Beat	Participation Outside of PE	Encouragement & Feedback	Total
Beyoncé Dance-a-Lot	4	4	4	1	13
Timmy Two-Left-Feet	1	1	3	3	8
Supportive Susan	3	3	2	4	12
Movin' Marvin	4	4	2	2	12
Negative Nick	3	3	1	1	8
Shy Shelly	2	3	1	2	8
Class Mean	2.8	3.0	2.2	2.2	10.2

Notes:

Organized by Encouragement & Feedback

Student	Steps & Sequence	Moves to the Beat	Participation Outside of PE	Encouragement & Feedback	Total
Supportive Susan	3	3	2	4	12
Timmy Two-Left-Feet	1	1	3	3	8
Shy Shelly	2	3	1	2	8
Movin' Marvin	4	4	2	2	12
Beyoncé Dance-a-Lot	4	4	4	1	13
Negative Nick	3	3	1	1	8
Class Mean	2.8	3.0	2.2	2.2	10.2

Notes:

## THINK, PAIR, SHARE #1

- 1. How can we use this knowledge to make informed decisions related to instruction?
  - a. At the level of the <u>individual</u>:

b. At the level of the <u>class:</u>

**Example #2: Process Data Drives Program Improvement** 

Student	Steps	MVPA
Supportive Susan	2,300	16:00
Timmy Two-Left-Feet	3,500	23:00
Shy Shelly	1,800	12:00
Movin' Marvin	4,400	28:00
Beyoncé Dance-a-Lot	4,000	25:00
Negative Nick	2,600	17:00
Class Mean	3,100	20:00

Calculate % MVPA

■ 20 min MVPA / 50 min lesson

= 40% MVPA

Notes:

### THINK, PAIR, SHARE #2

2. How can we use this knowledge to improve our program?

**Example #3: Satisfaction Data Drives Curriculum** 



Notes:

#### THINK, PAIR, SHARE #3

3. How can we use this knowledge to inform our curriculum?

**Example #4: Input Data Drives Advocacy** 

Equipment	Good	Poor	Un- Usable
Short Jump Ropes	40	10	O
Long Jump Ropes	10	0	0
Volleyballs	20	2	2
Basketballs	10	10	10
Paddles	40	5	5
Gymnastics Mats	2	0	0
Baseball Tees	4	0	0
Golf Clubs	0	0	0

Class size = 36-40 students

Student: equipment ratios

- Short Jump Ropes (1:1)
- Long Jump Ropes (4:1)
- Volleyballs (2:1)
- Basketballs (4:1)
- Paddles (1:1)
- Gymnastics Mats (20:1)
- Baseball Tees (5:1)
- Golf Clubs (40:0)

Notes:

#### THINK, PAIR, SHARE #4

4. How can we use this knowledge to advocate for our program?