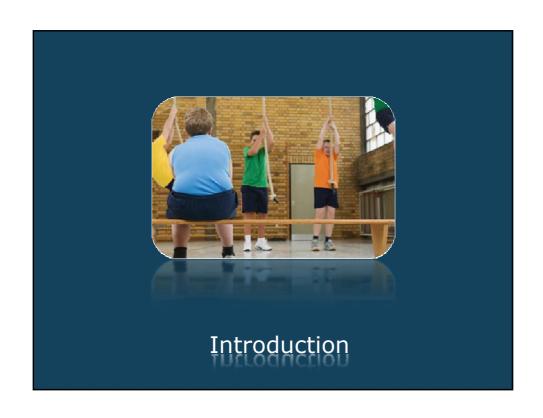
Specific caring for overweight students in physical education:

Implementation of teaching strategies identified during an interdisciplinary meeting

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Overweight and obesity

- An escalating global epidemic
 - "Globesity"

Key facts

- · Worldwide obesity has nearly doubled since 1980.
- . In 2008, more than 1.4 billion adults, 20 and older, were overweight. Of these over 200 million men and nearly 300 million women were obese
- . 35% of adults aged 20 and over were overweight in 2008, and 11% were obese.
- . 65% of the world's population live in countries where overweight and obesity kills more people than underweight.
- More than 40 million children under the age of five were overweight in 2011.
- Obesity is preventable.

WHO (2013)

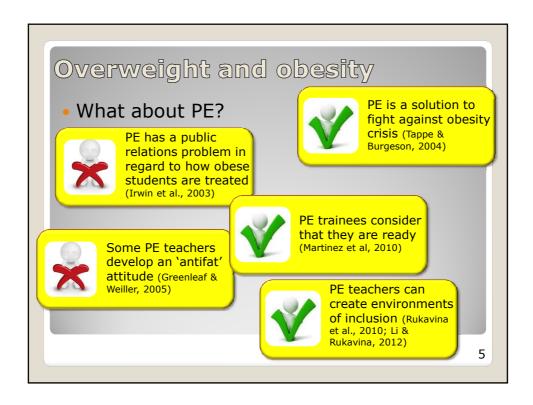
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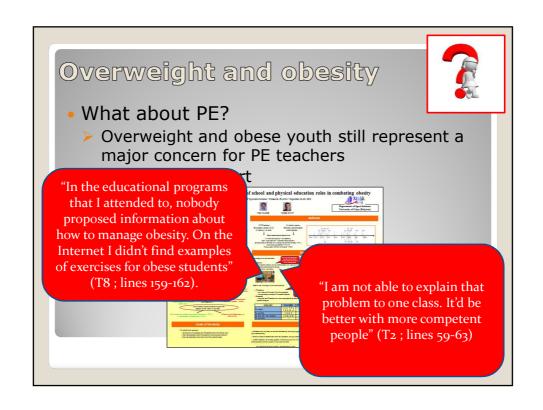
Overweight and obesity

- The role of school is emphasized
 - > All children
 - Much time
 - Professional stru
- School-based o strategies
 - Curriculum
 - Parent/Family
 - School environment/Policy

Fridlund Dunton et al. (2011)

- Nutrition and PA classroombased activities
- Seminars on nutrition and PA Required or modified PE



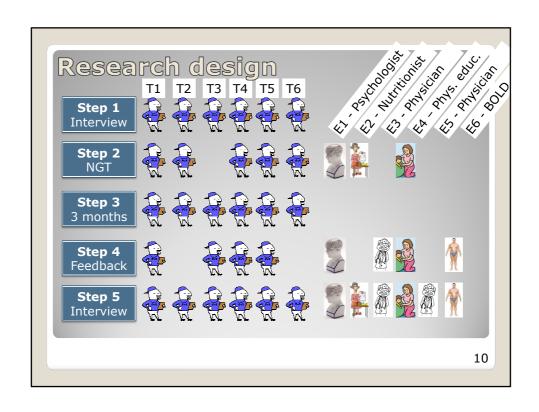




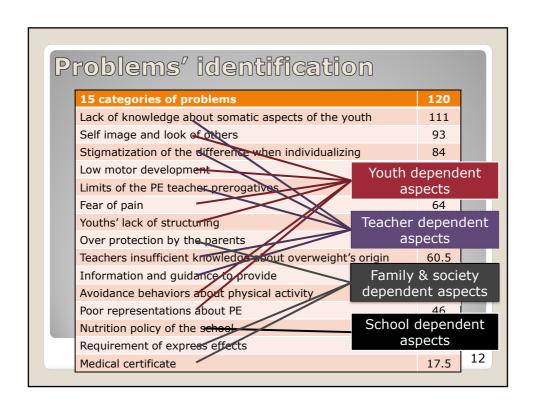
As a part of a bigger study:

- To develop a collaboration between obesity experts and PE teachers
- To provide guidelines to a group of PE teachers
- To share their experiences in the instructional strategies' implementation

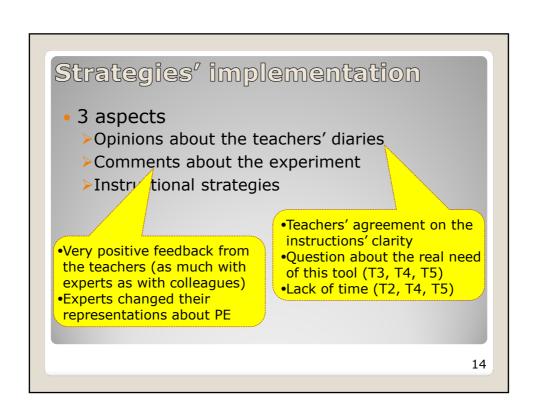








trategies' identification	
15 categories of problems	120
Lack of knowledge about somatic aspects of the youth	111
Self image and look of others	93
Stigmatization of the difference when individualizing	84
Low motor development	65
Limits of the PE teacher prerogatives	64
Fear of pain	64
Youths' lack of structuring	62
Over protection by the parents	60.5
Teachers insufficient knowledge about overweight's origin	60.5
Information and guidance to provide	51
Avoidance behaviors about physical activity	49
Poor representations about PE	46
Nutrition policy of the school	41.5
Requirement of express effects	35
Medical certificate	17.5



6 kinds of actions

- Adapted endurance activities
- Guidance of the adolescents to out-ofschool sports activities
- Contact with physicians and medical certificates
- Contact with the psycho-medico-social centers of the schools
- Nutrition aspects
- Activities that enhance the student

15

6 kinds of actions

- Adapted endurance activities
- Guidance of the dolescents to out-ofschool sports actives:
 ^{T1: A ball game +}
- Contact with physicic certificates
- Contact with the psych centers of the schools
- Nutrition aspects
- Activities that enhance

T1: A ball game + heart rate monitor +roller skating + enhancing improvements
T5: Heart rate monitor + talk with one mother
T6: Replacing running by Tae Bo

•T4: Modification of assessment in running (→ continuous time)

6 kinds of actions

- Adapted endurance activities
- Guidance of the adolescents to out-ofschool sports activities
- Contact vith physicians and medical
- Orientation to volleyball (T1), swimming (P5), fitness center (P6)
 - That strategy is supported by the experts (E1, E3, E4,
- E6) who emphasized such PE teacher's role

o-medico-social

the student

17

6 kinds of actions

- Adapted endurance activities
- Guidance of the adolescents to out-ofschool sports activities
- Contact with physicians and medical certificates
- Contact with the psycho-medico-social centers of the schools
- Nutrition aspects
 Contact with a cardiologist
- Activities that enha

•Trial to draw attention of the school authorities (P1, P6) Contact with the school health service (P2, P3)

6 kinds of actions

- Adapted endurance
- Guidance of the ade school sports activi collaboration of one colleague
- Contact with physic certificates
- Contact with the ps centers of the school the geography teacher
- Nutrition aspects
- Activities that enhance the student

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School authorities have been informed and decided to organize

•P3 (also nutritionist) proposed an

P2 developed a collaboration with

to out-of-

medical

dico-social

activity to interested classes

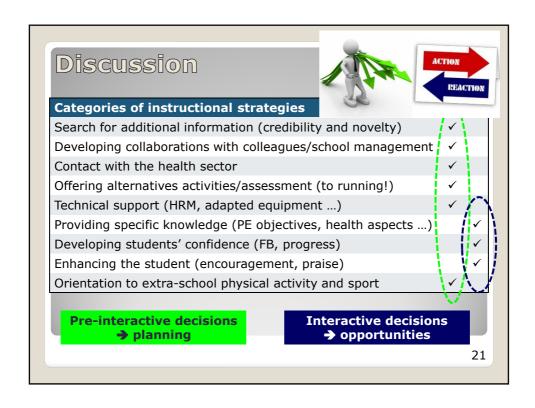
a special breakfast (P5)

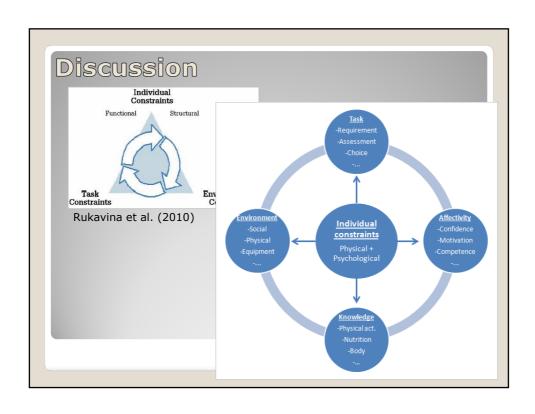
•P4 proposed a personal discussion about nutrition

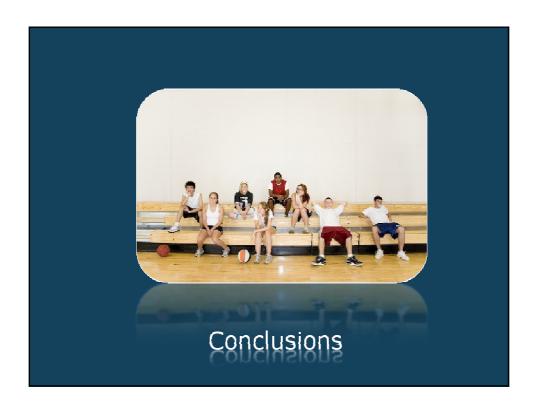
P5 requested also the

6 kinds of actions

- Adapted endurance activities
- •P3 implemented an oriental dance unit
 - •P6 answered to a students'
- request and proposed varied workouts underlining the muscles CE involved in the exercises
- Cc •P2 bought big size harnesses ce (climbing) and praised a girl who achieved a route
- Nutrition aspects
- Activities that enhance the student







Suggestions

- PE teachers needs examples of good practices that will help them to implement instructional strategies dealing with overweight students
- It helps them to develop their own approaches as effective practice 'reflectioners'

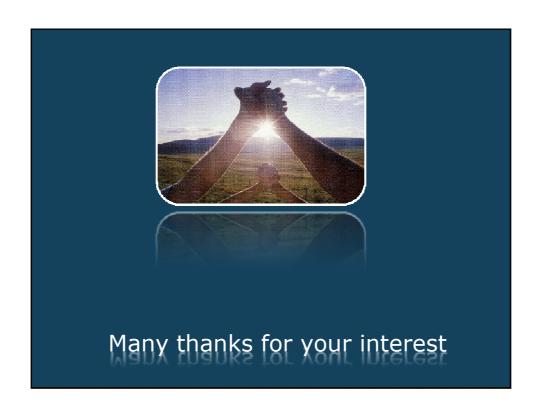


Suggestions

- Preservice and inservice PETE should emphasize teaching strategies focusing on special needs students (not only overweight youths)
- Interactions with experts incites PE teachers to implement original strategies and should be promoted









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