



Lifelong
Learning

ORTHOBIOMED PROJECT

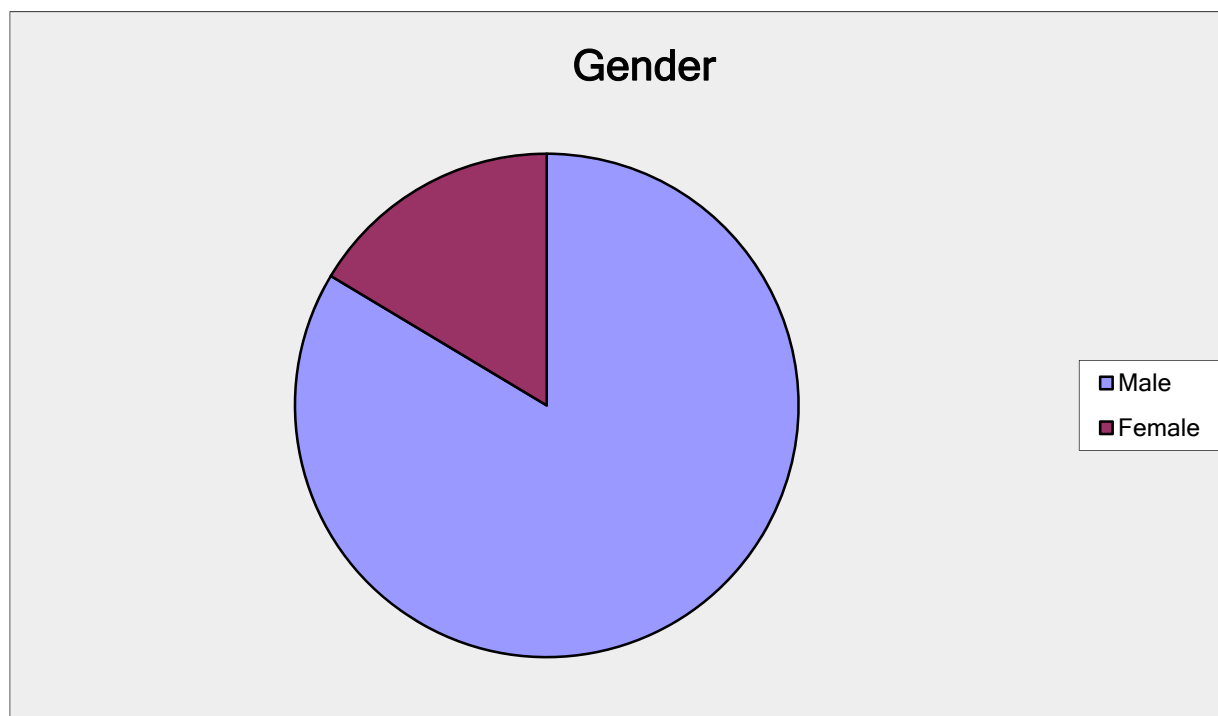
Survey results 13/3/14

Specific objectives

- To know the socio-demographic and academic profile of the professionals of the trauma surgery and the fracture biomechanics areas.
- To identify the knowledge level at the job incorporation time and after some years of experience.
- To know if the formation received by these professionals was adequate.
- To value the possibility of carrying out a complementary formation.
- To identify the main learning areas for each profile
 - Engineers
 - Residents and orthopaedic surgeons
- To provide information useful to update the e-learning materials adapted to the necessities of the sector in Bulgaria, Greece and Spain

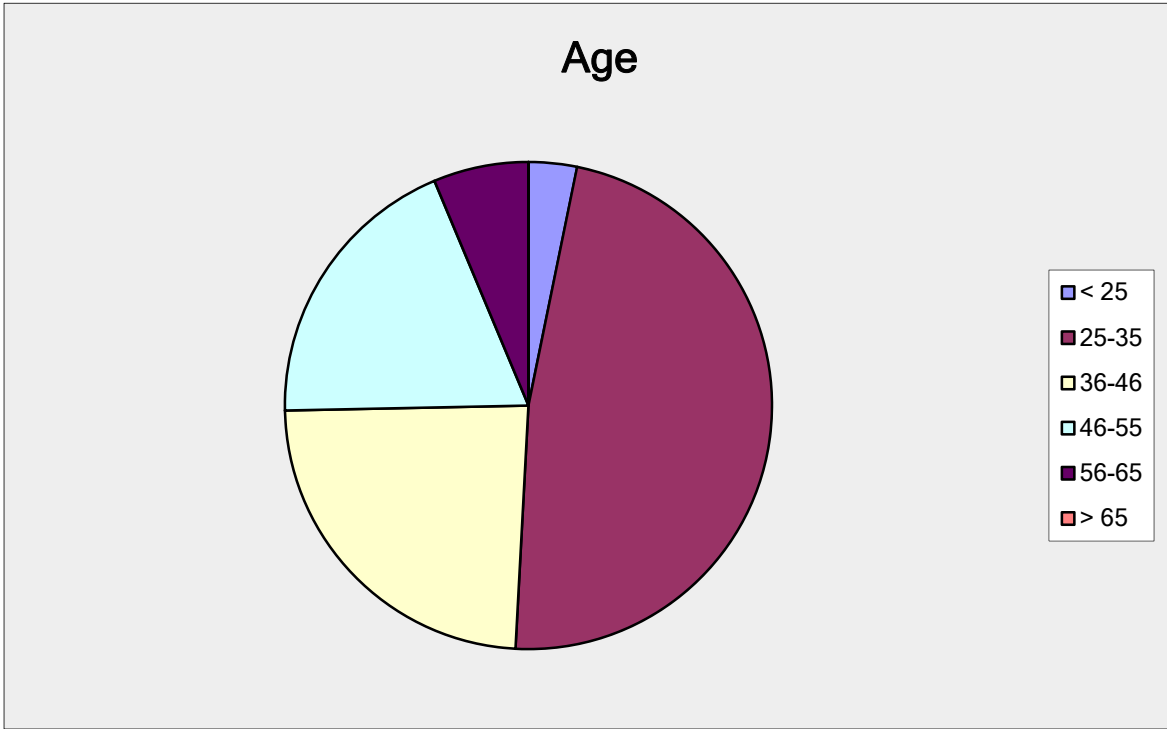
Parameters of the Study

Sample Characteristics	<ul style="list-style-type: none"> Residents in orthopaedics and orthopaedic surgeons Implants design engineers Other professionals linked to the implant's distribution and development
Total size of the sample	61 participants: 51 men y 10 women
Sample description	<p>Participant entities:</p> <ul style="list-style-type: none"> TECHNICAL UNIVERSITY OF SOFIA INSTITUTO DE BIOMECÁNICA DE VALENCIA MEDICAL UNIVERSITY PLOVDIV DEPARTMENT OF ORTHOPAEDIC SURGERY AND TRAUMATOLOGY OF UNIVERSITY OF THESSALIA
Country Context	European technology institutes and companies
Temporal Context	The period of the data collection was : December 2013-January 2014
Data collection	Auto-fulfilled web questionnaire



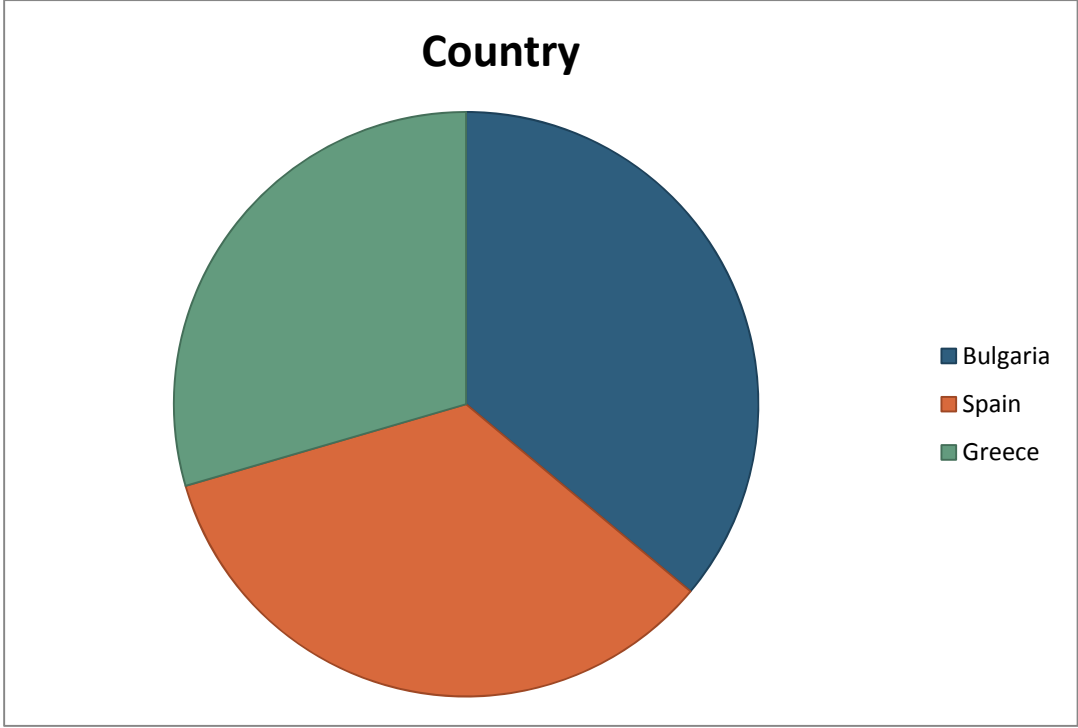
Male	83,6%
Female	16,4%

Results



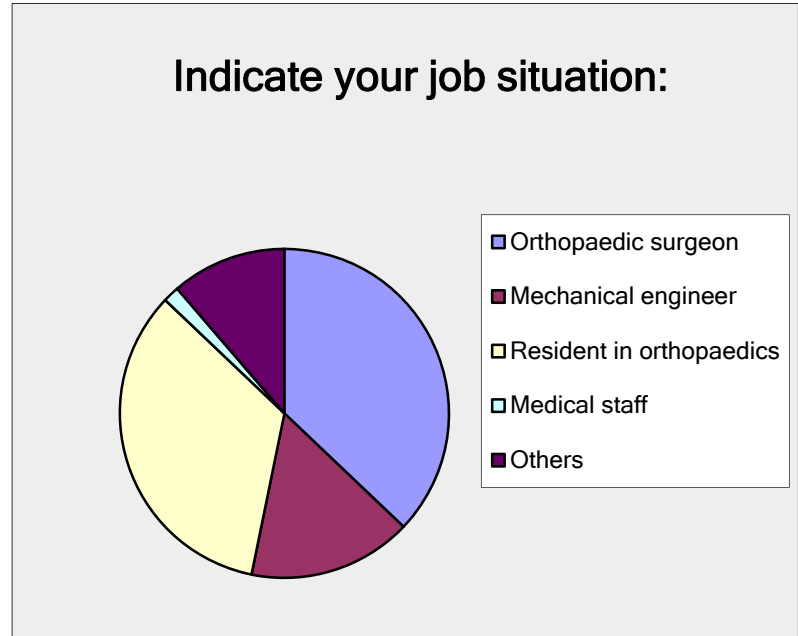
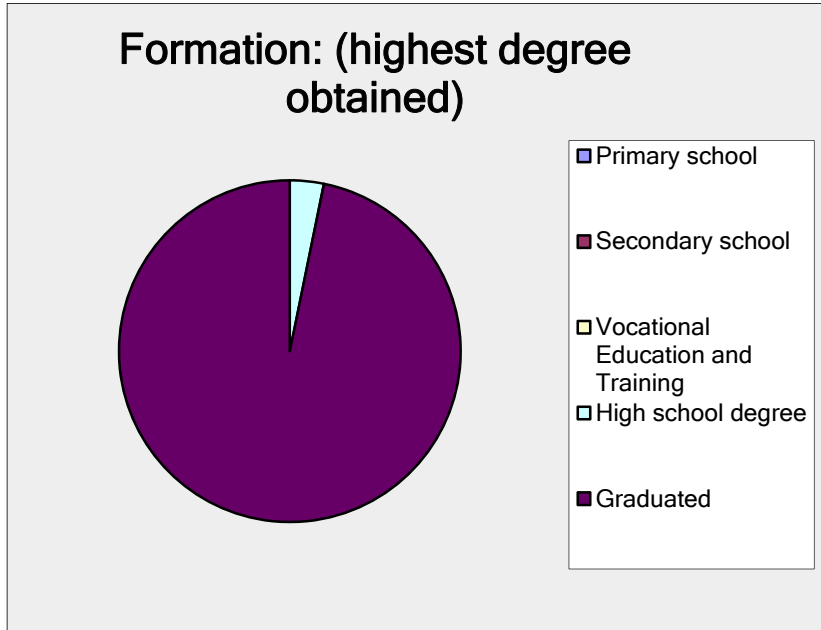
< 25	3,2%
25-35	47,6%
36-46	23,8%
46-55	19,0%
56-65	6,3%
> 65	0,0%

Results



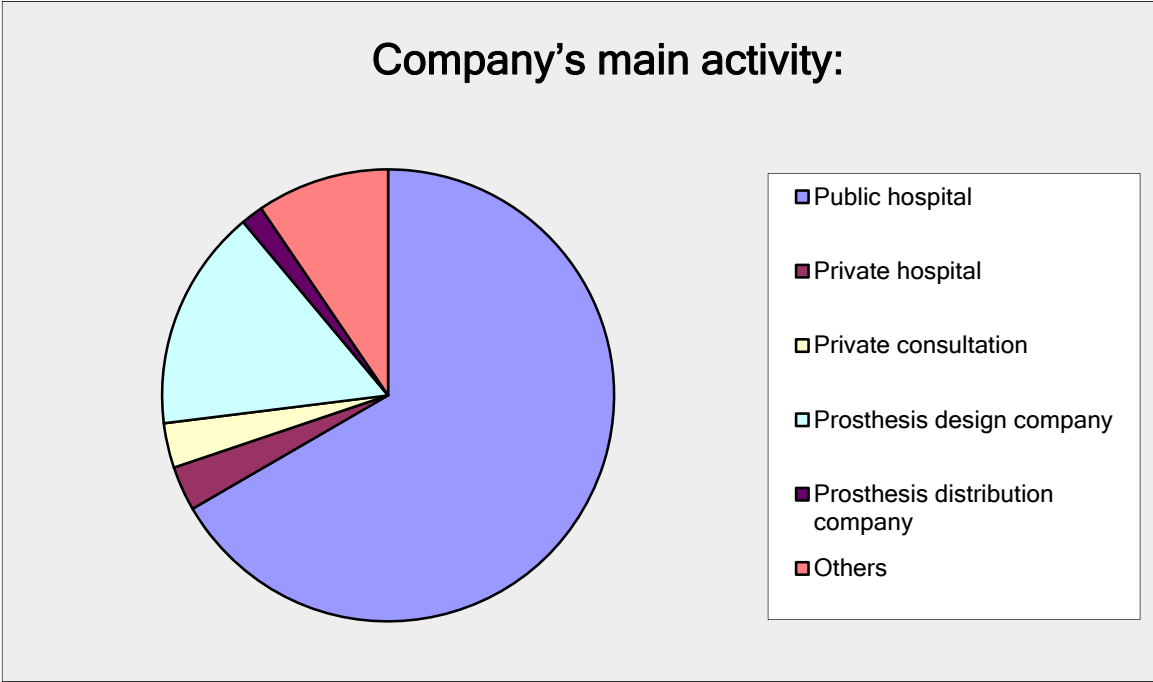
Bulgaria	36,1%
Spain	34,4%
Greece	29,5%

Results



Orthopaedic surgeon	37,1%
Mechanical engineer	16,1%
Resident in orthopaedics	33,9%
Medical staff	1,6%
Others	11,3%

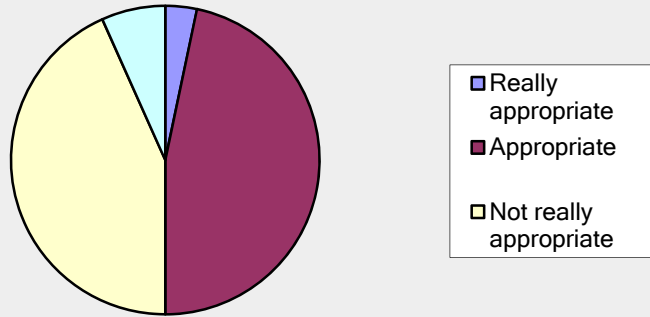
Results



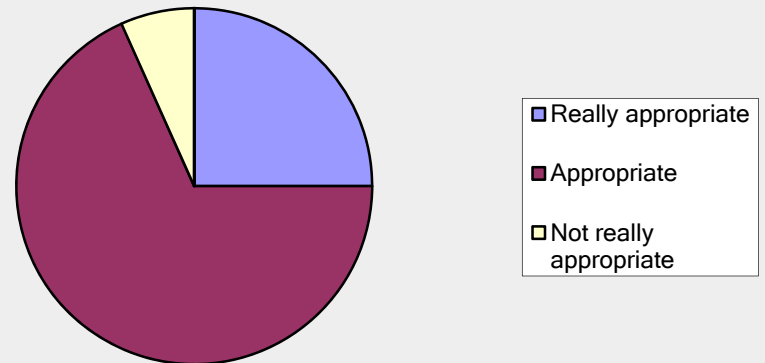
Public hospital	66,7%
Private hospital	3,2%
Private consultation	3,2%
Prosthesis design company	15,9%
Prosthesis distribution company	1,6%
Others	9,5%

Results

In your opinion, when you started with your actual job, your previous training was:



In your opinion, for the job you are doing nowadays your training is:

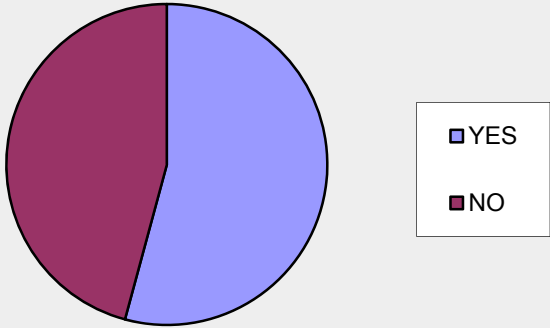


Really appropriate	3,3%
Appropriate	46,7%
Not really appropriate	43,3%
Inappropriate	6,7%

Really appropriate	25,0%
Appropriate	68,3%
Not really appropriate	6,7%
Inappropriate	0,0%

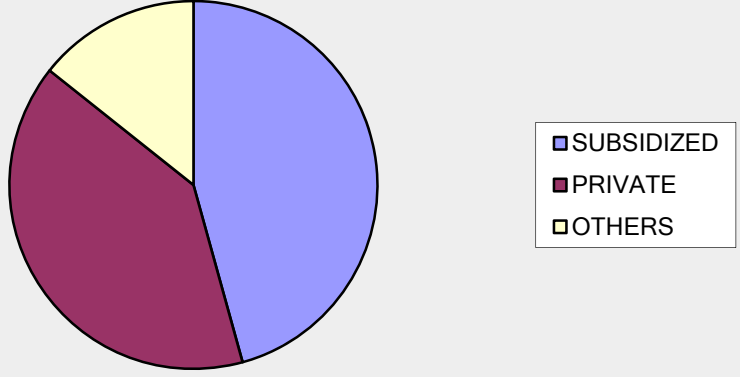
Results

Have you received any training in your specific field within the last two years?



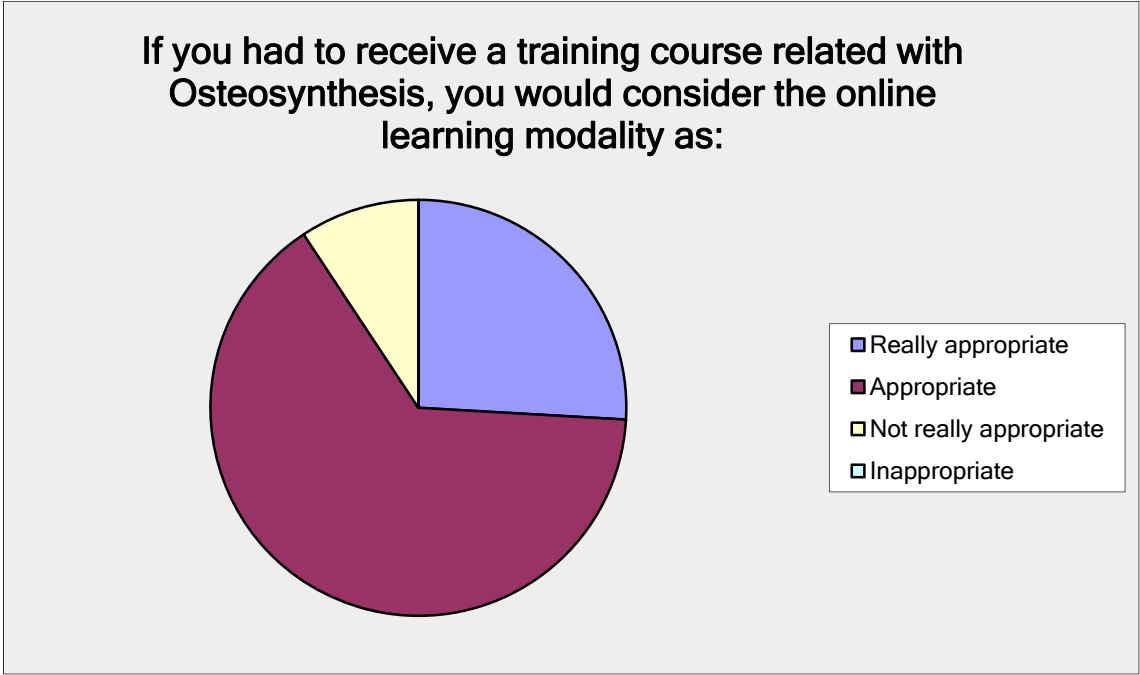
YES	54,2%
NO	45,8%

The received formation was ?:



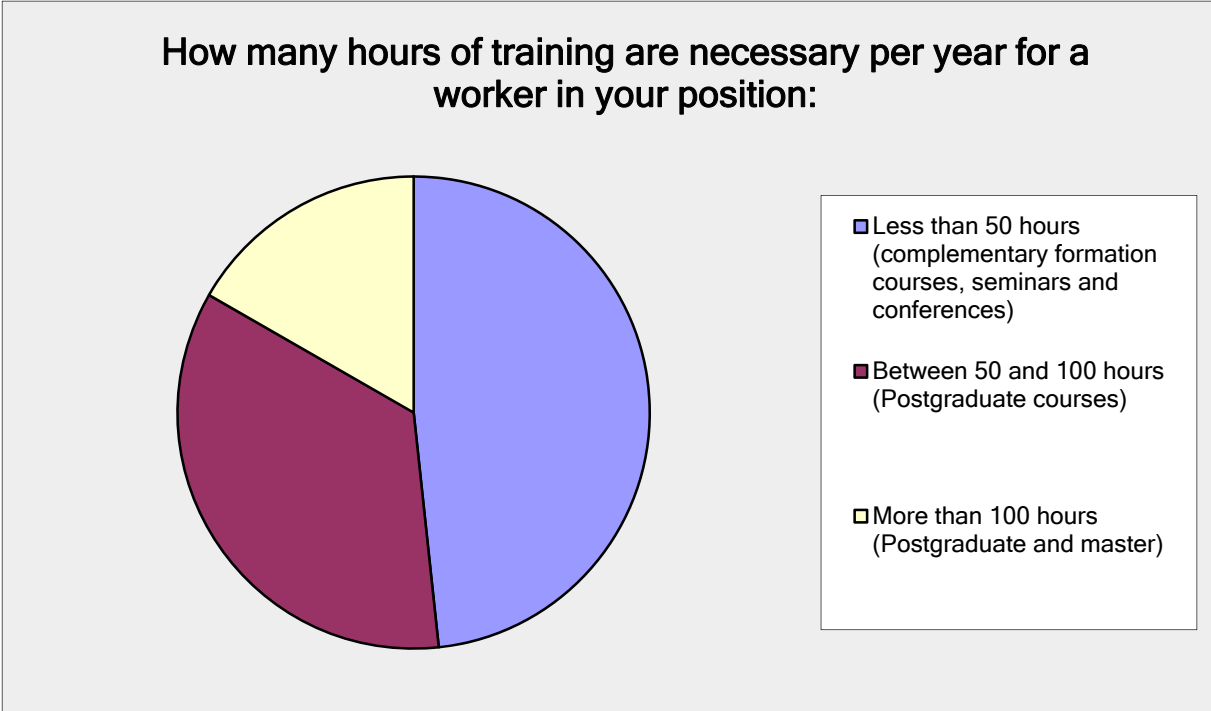
SUBSIDIZED	45,7%
PRIVATE	40,0%
OTHERS	14,3%

Results



Really appropriate	25,9%
Appropriate	64,8%
Not really appropriate	9,3%
Inappropriate	0,0%

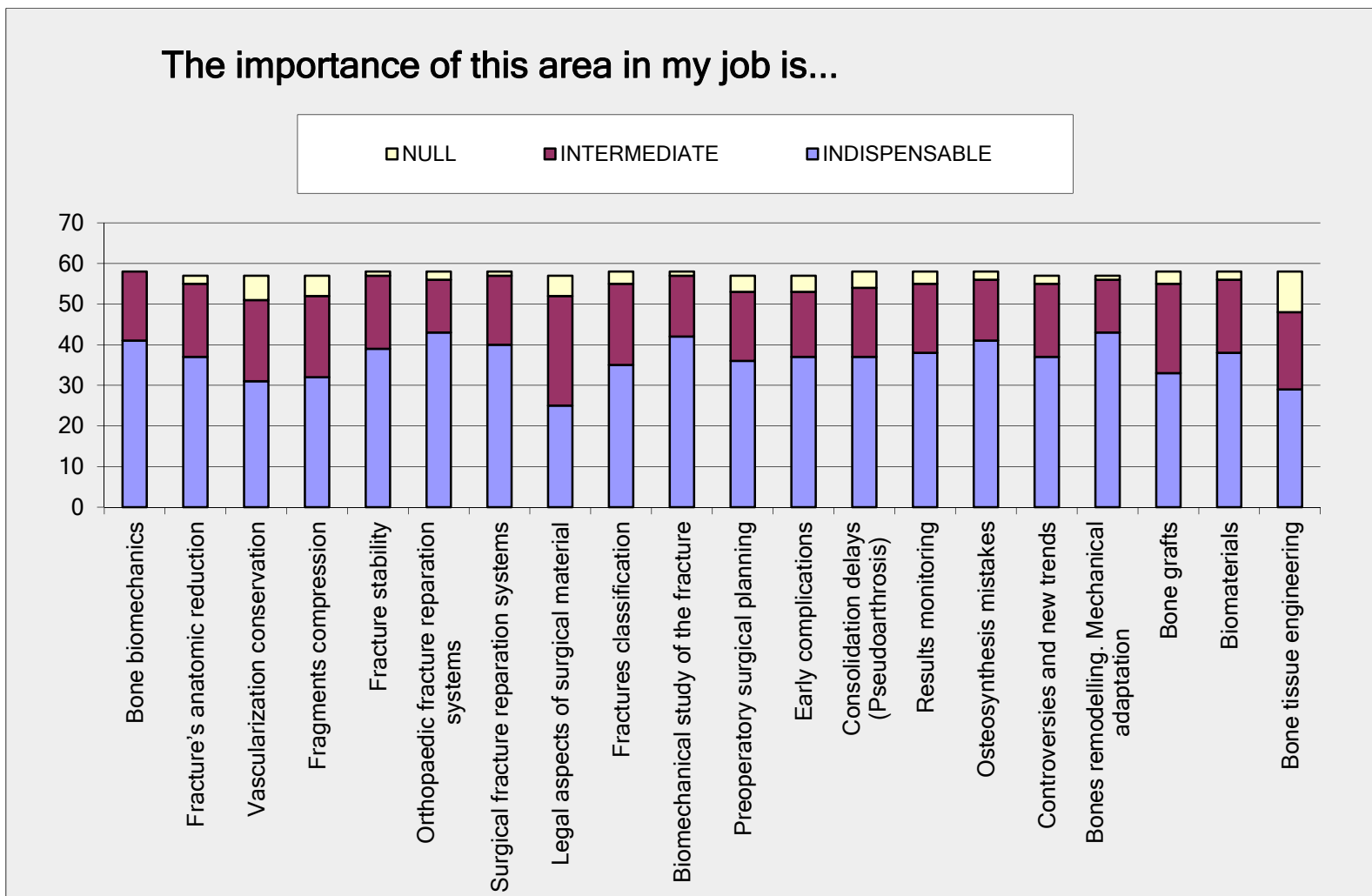
Results



Less than 50 hours (complementary formation courses, seminars and conferences)	48,3%
Between 50 and 100 hours (Postgraduate courses)	35,0%
More than 100 hours (Postgraduate and master)	16,7%

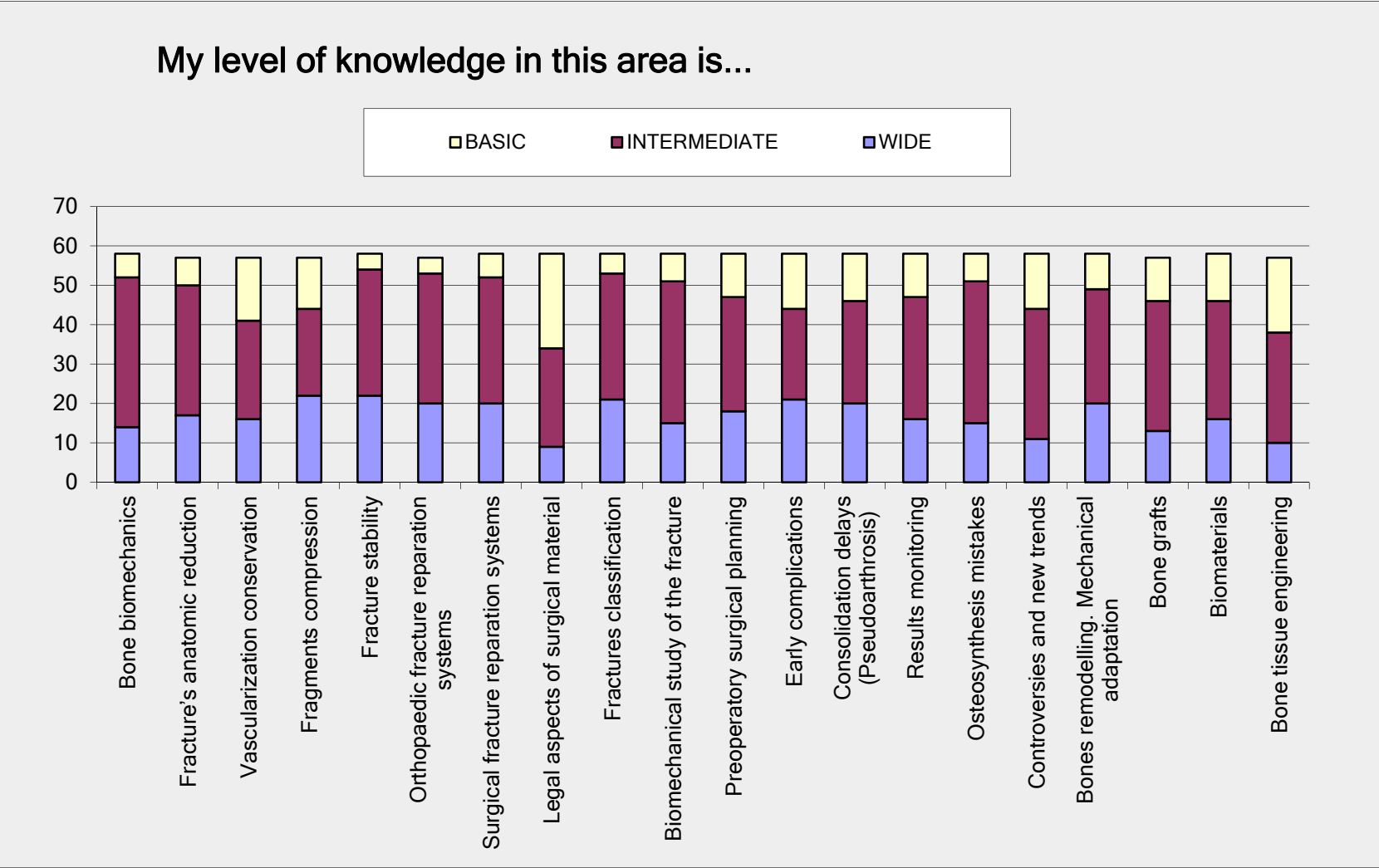
Results

Learning contents for the whole sample



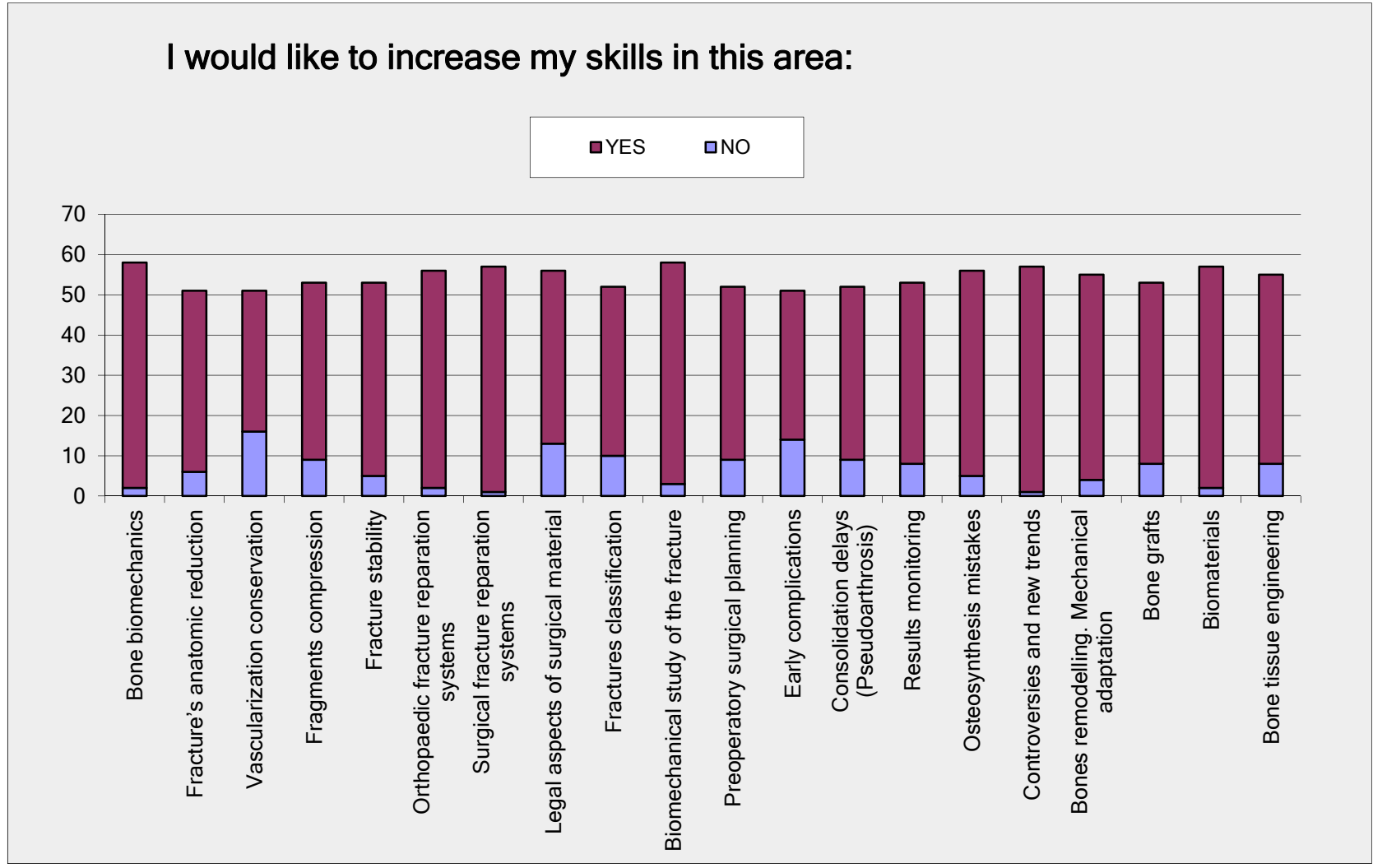
Results

Learning contents for the whole sample



Results

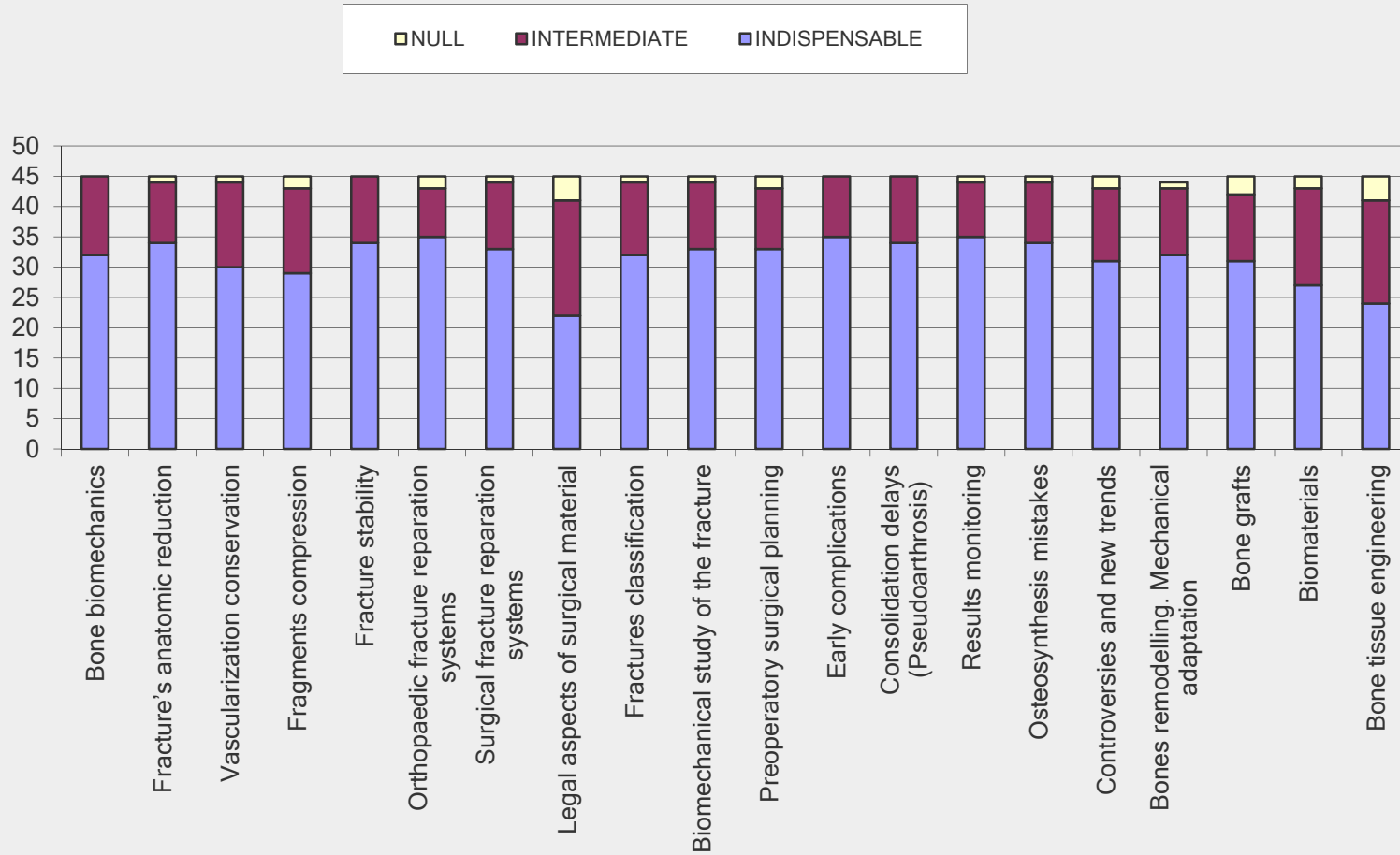
Learning contents for the whole sample



Results

Learning contents for the sanitary profile

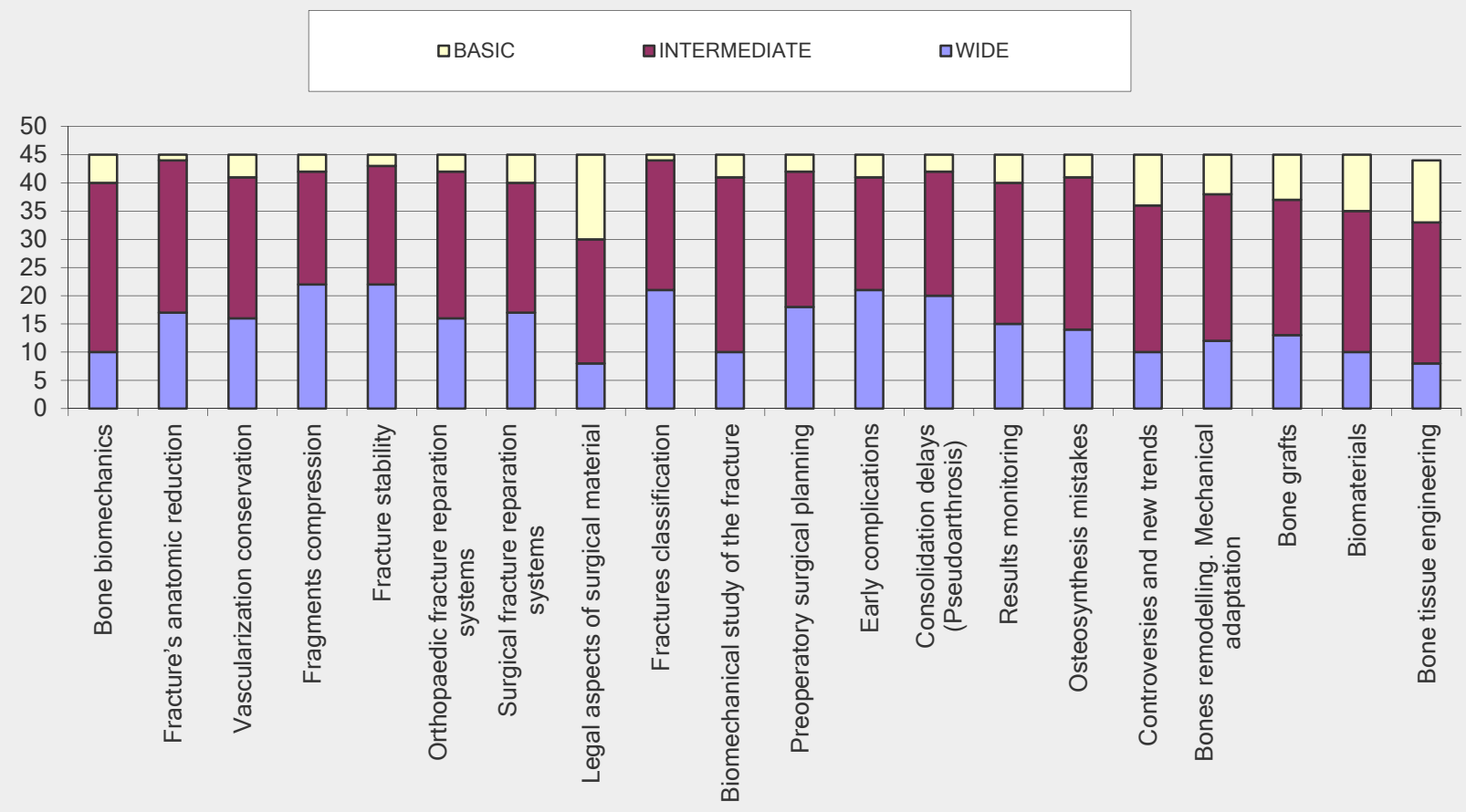
The importance of this area in my job is...



Results

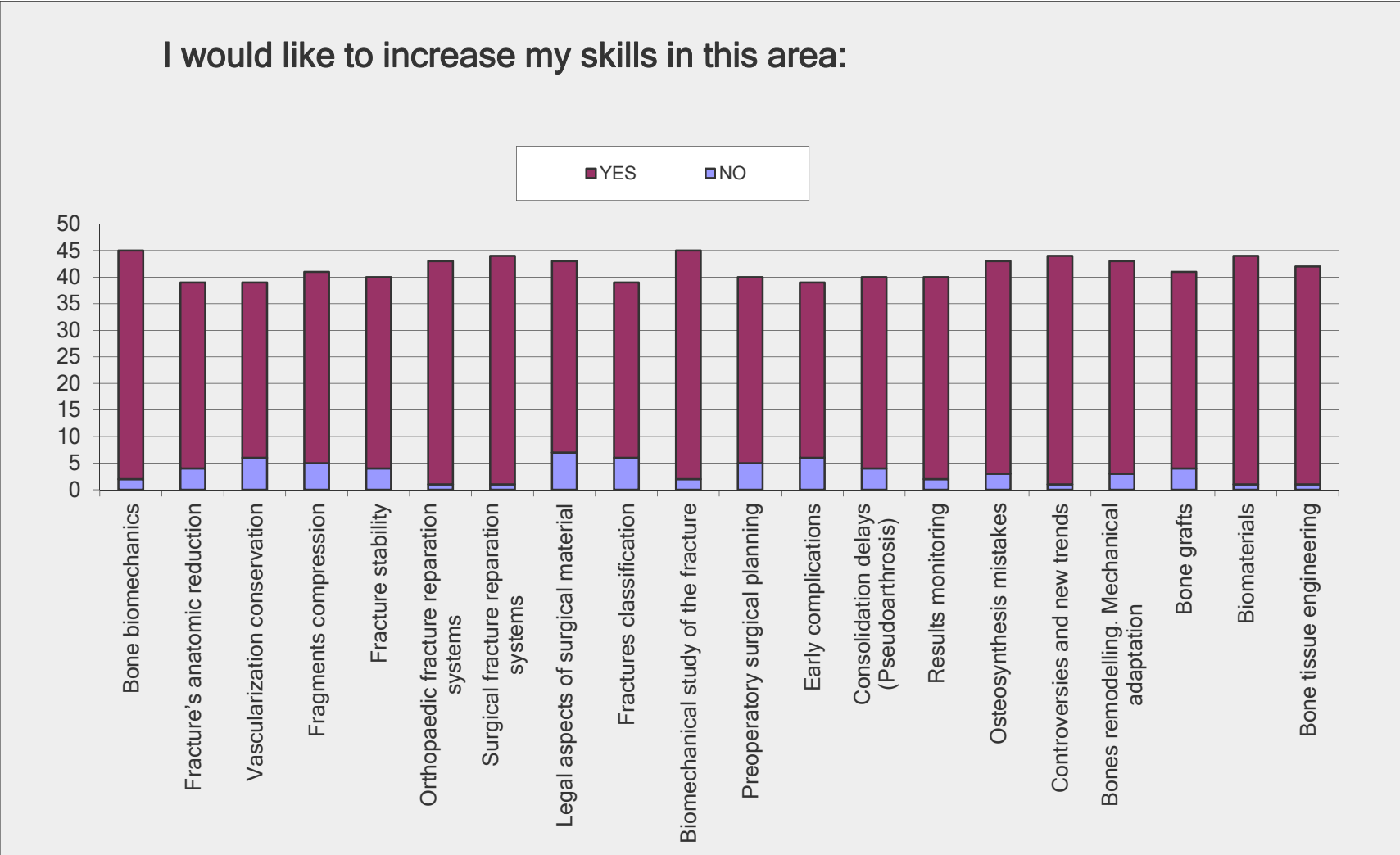
Learning contents for the sanitary profile

My level of knowledge in this area is...



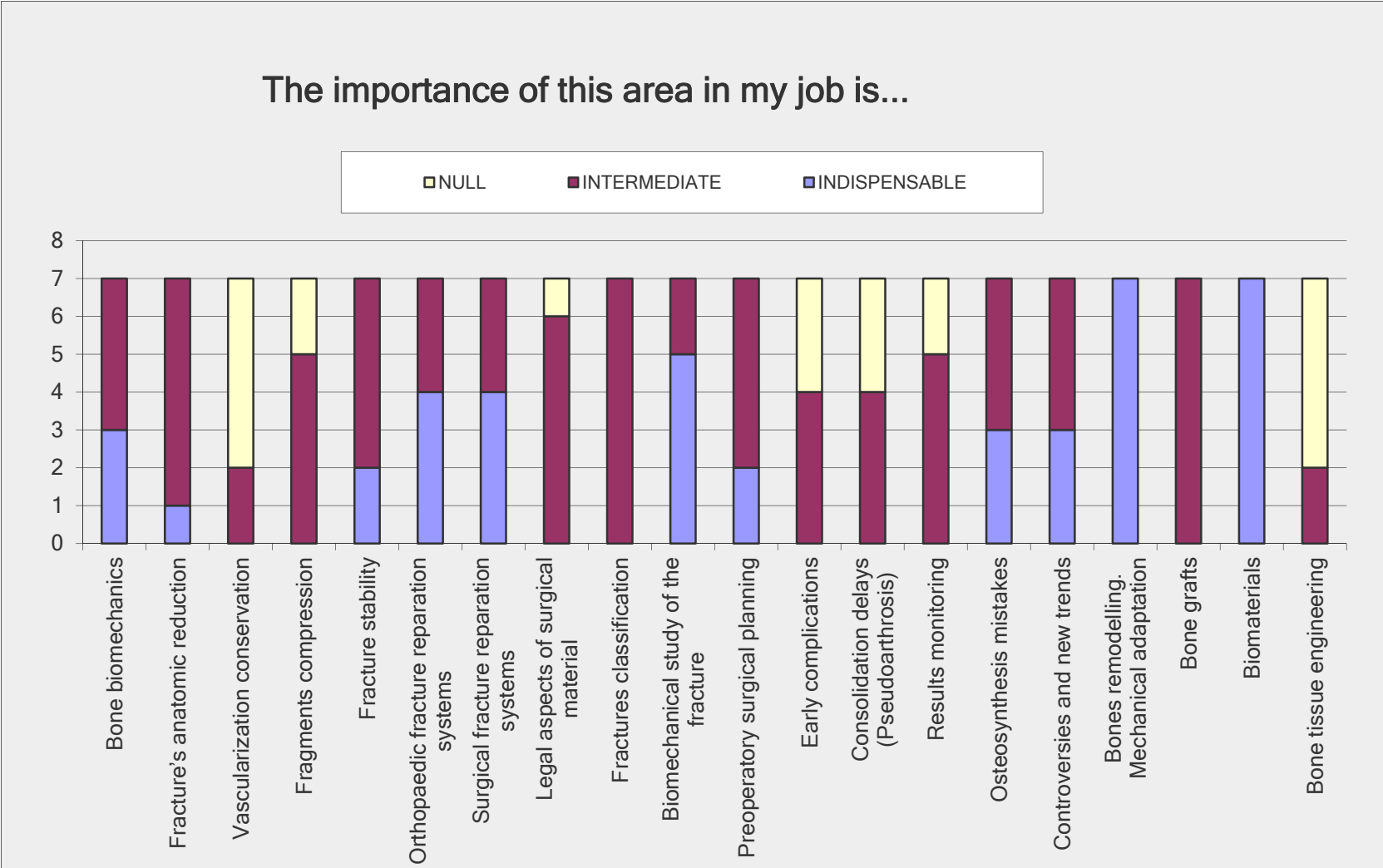
Results

Learning contents for the sanitary profile



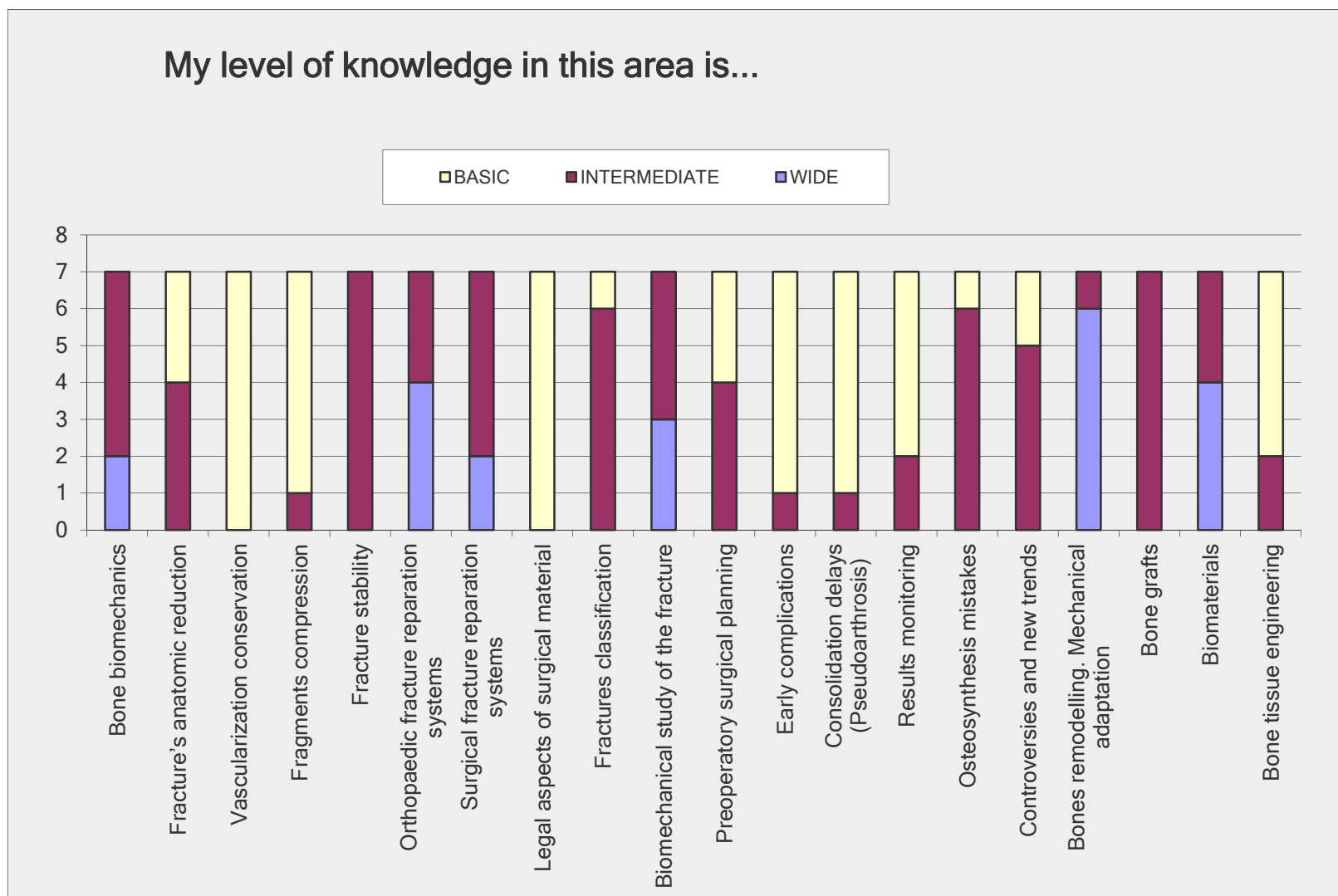
Results

Learning contents for the technical profile



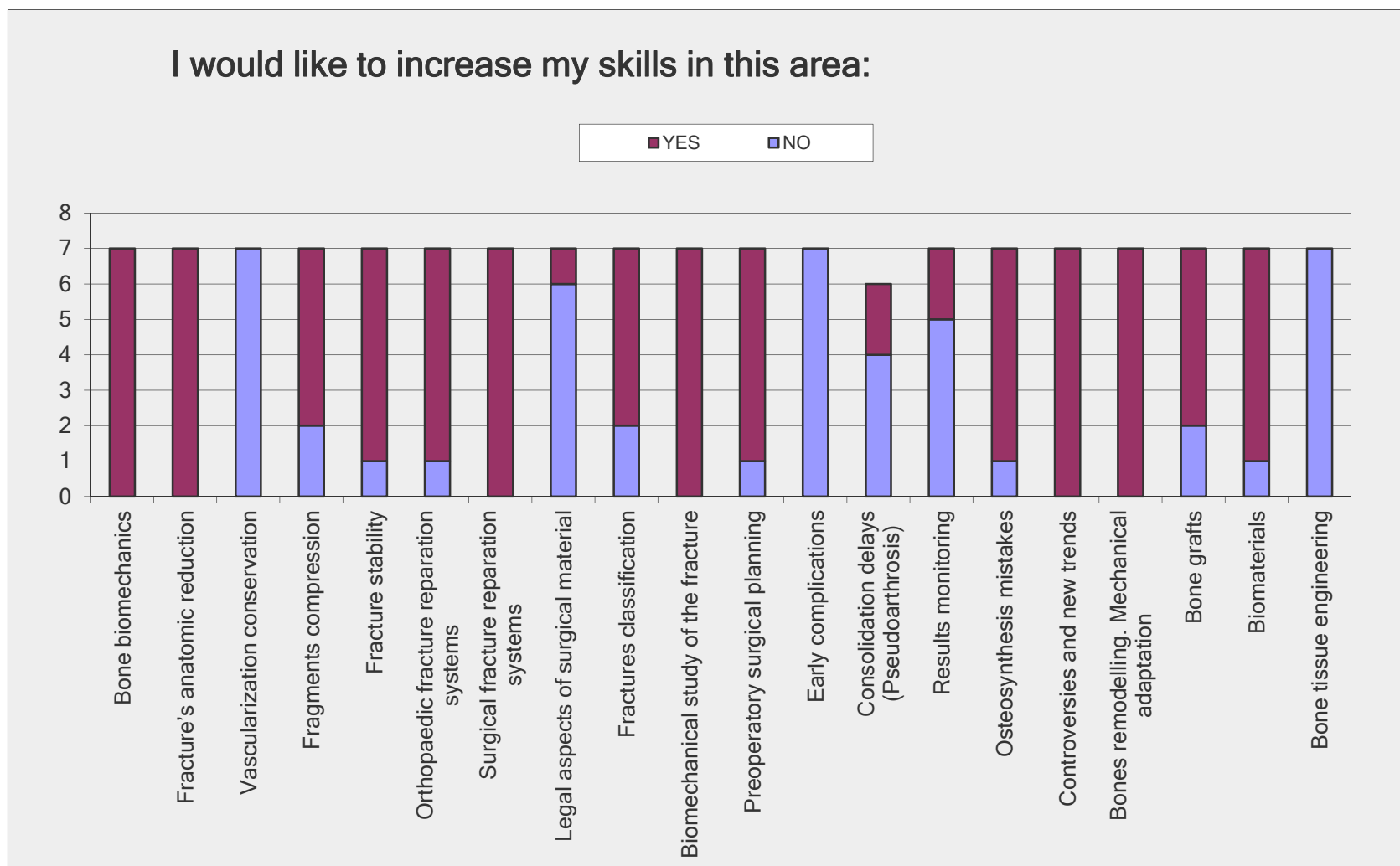
Results

Learning contents for the technical profile



Results

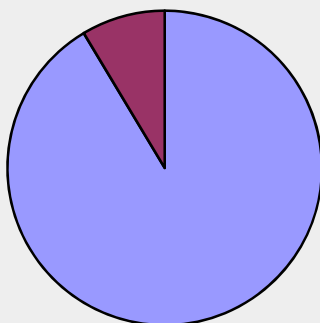
Learning contents for the technical profile



Results

Do you think that they would be interesting hand fractures?

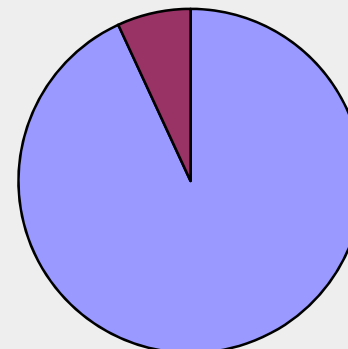
■ YES ■ NO



YES	91,4%
NO	8,6%

Do you think that they would be interesting implants to fix hand fractures?

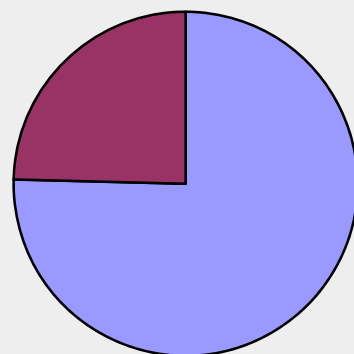
■ YES ■ NO



YES	93,1%
NO	6,9%

Results

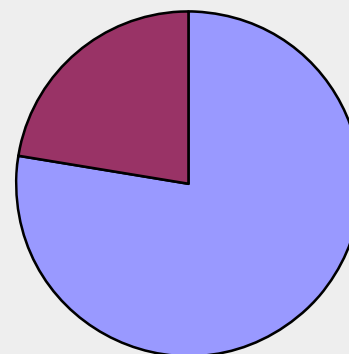
Do you think that they would be interesting spine fractures?



■ YES ■ NO

YES	75,4%
NO	24,6%

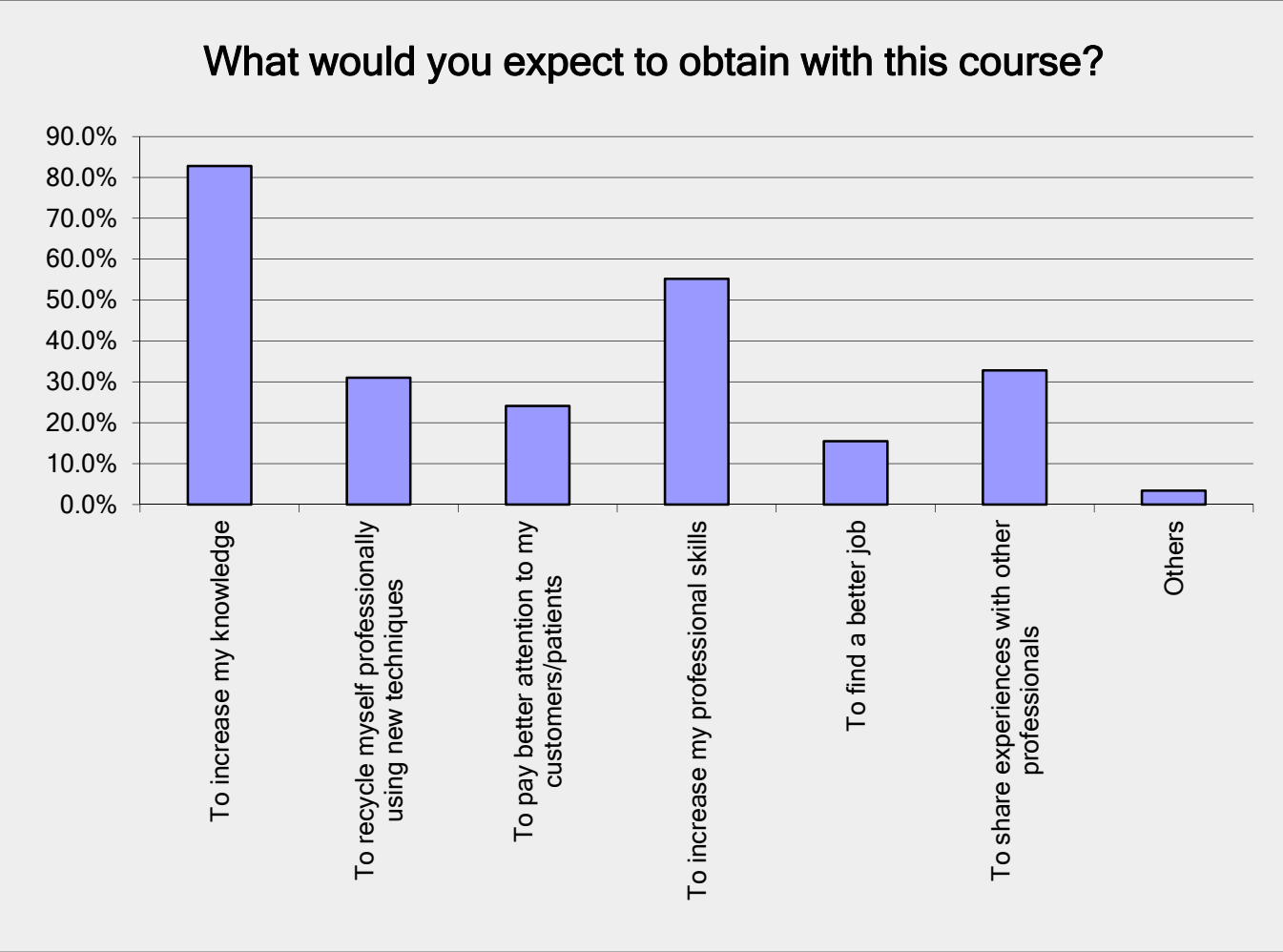
Do you think that they would be interesting implant to fix spine fractures?



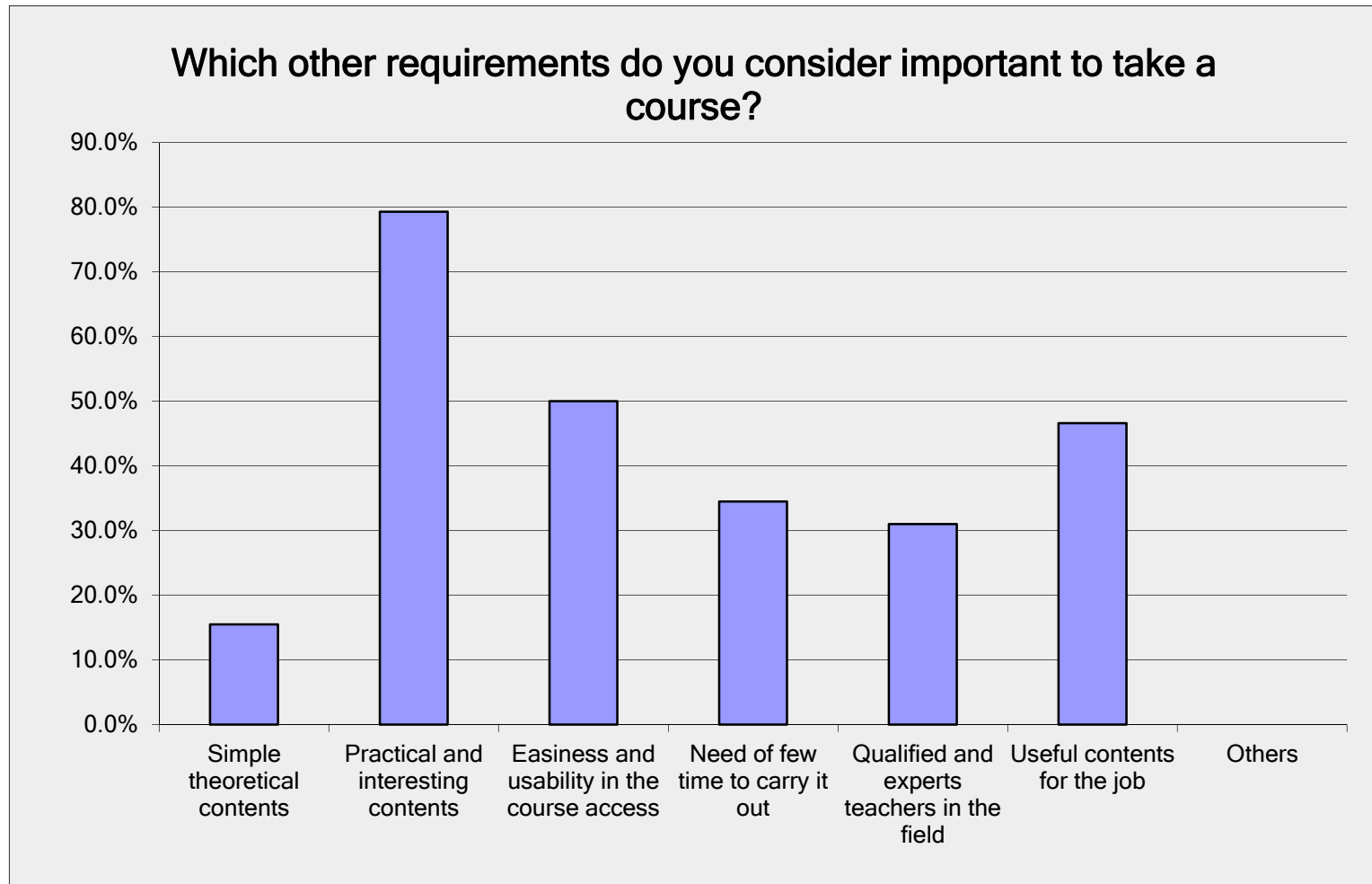
■ YES ■ NO

YES	77,6%
NO	22,4%

Results

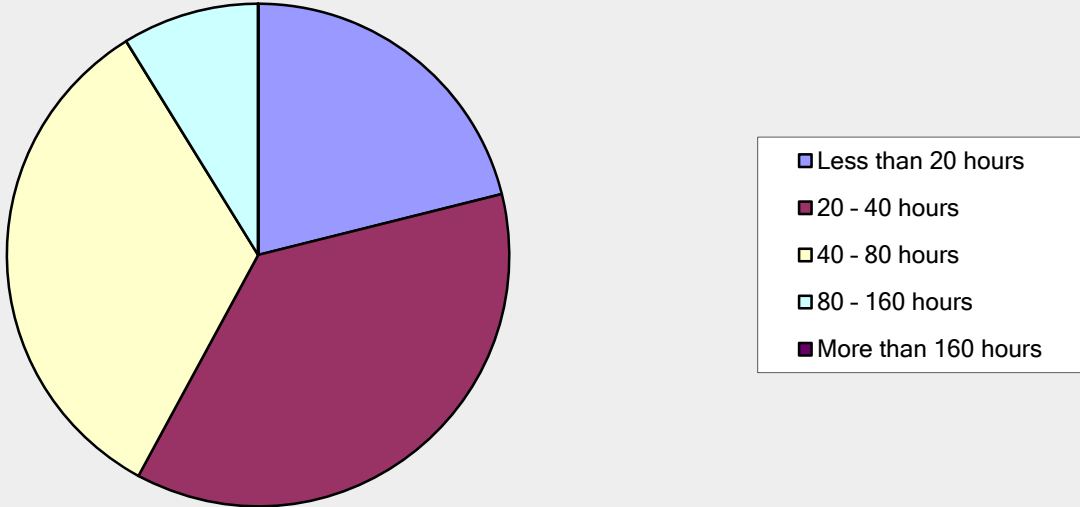


Results



Results

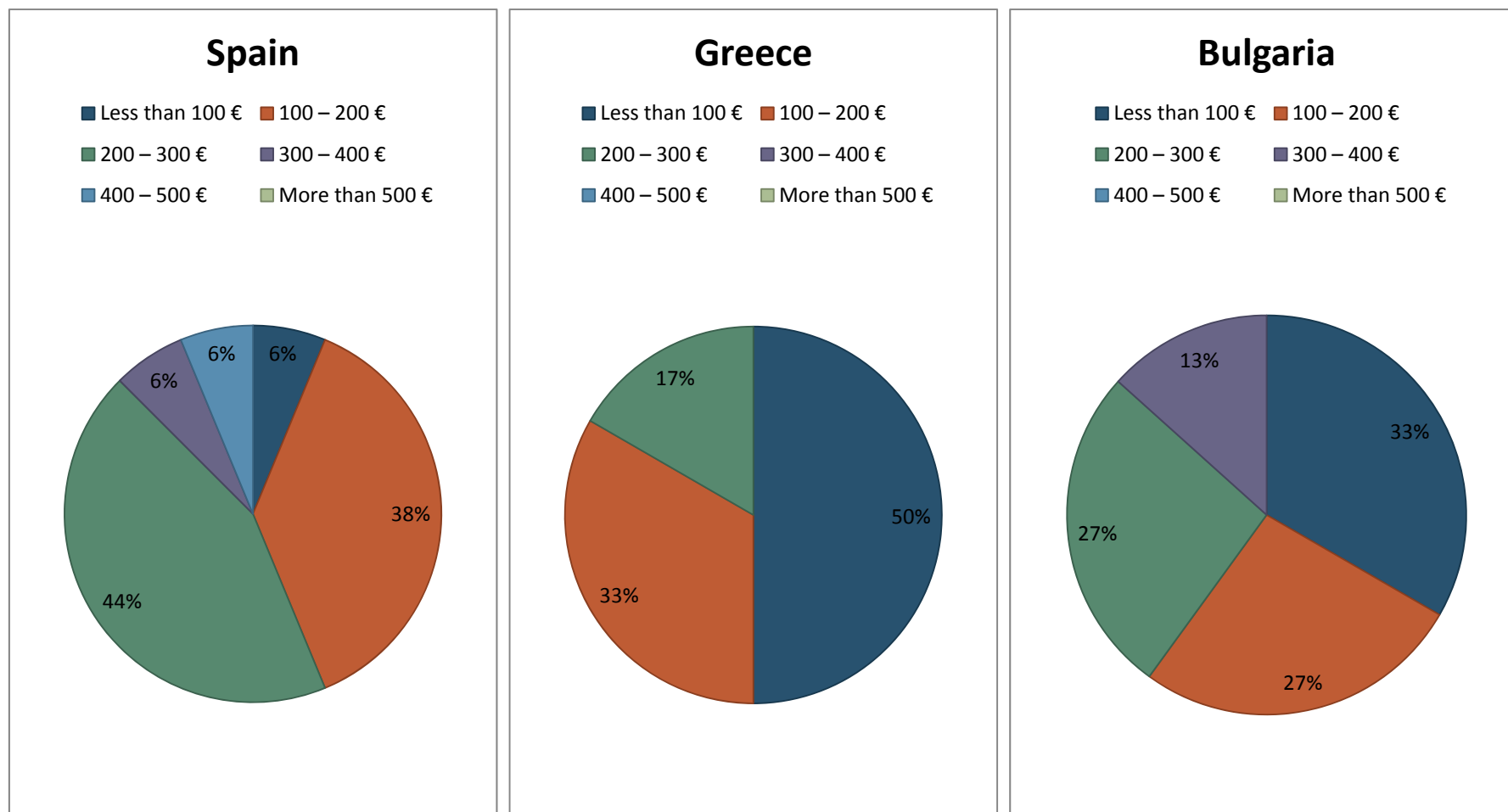
How many hours would be necessary to complete successfully that course?



Less than 20 hours	21,1%
20 – 40 hours	36,8%
40 – 80 hours	33,3%
80 – 160 hours	8,8%
More than 160 hours	0,0%

Results

How much would be willing to pay for that course?



Thank you for your attention



INSTITUTO DE
BIOMECÁNICA
DE VALENCIA



Orthopaedic Surgery
& Musculoskeletal Trauma
Faculty of Medicine, University of Thessalia