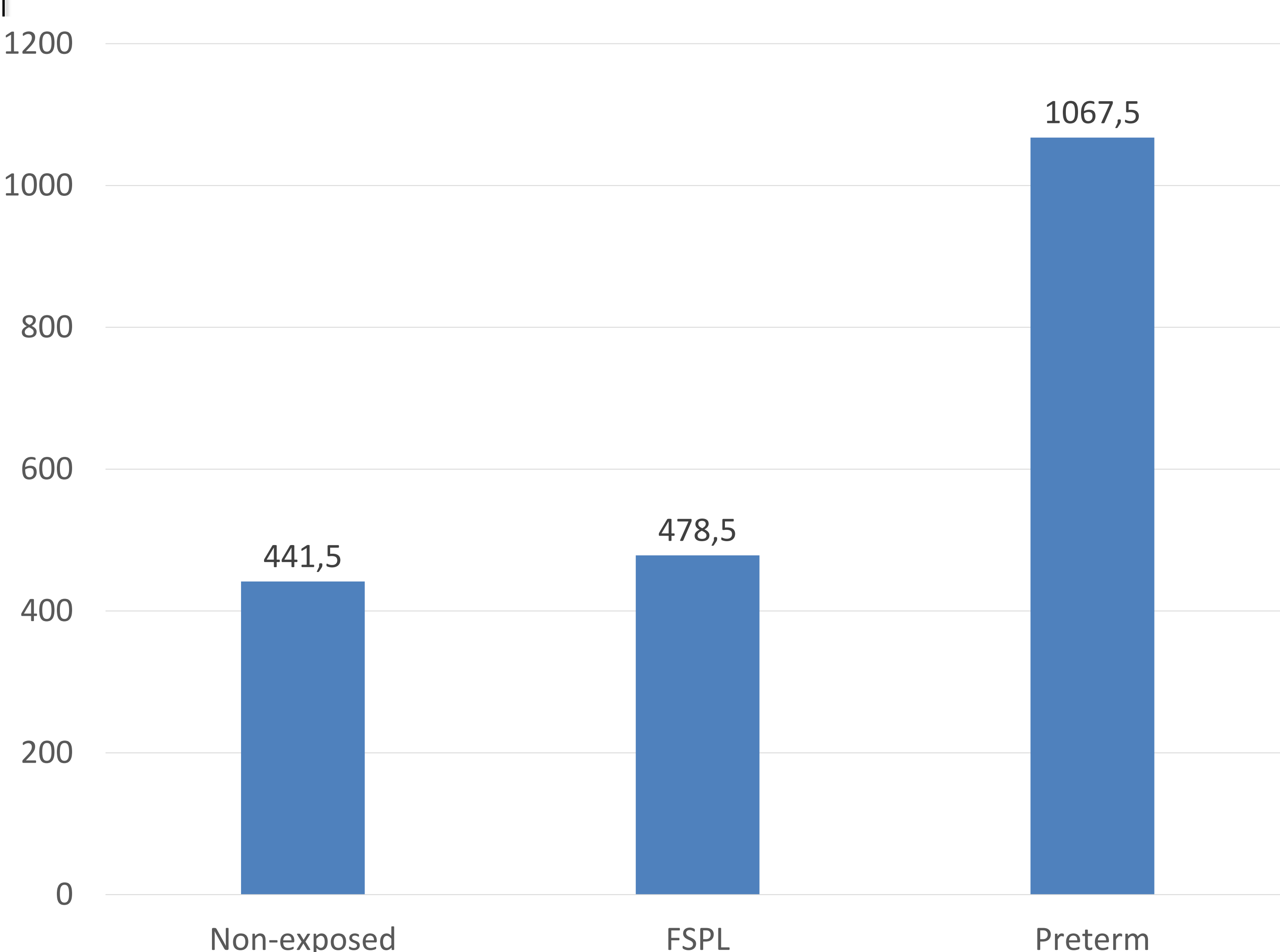
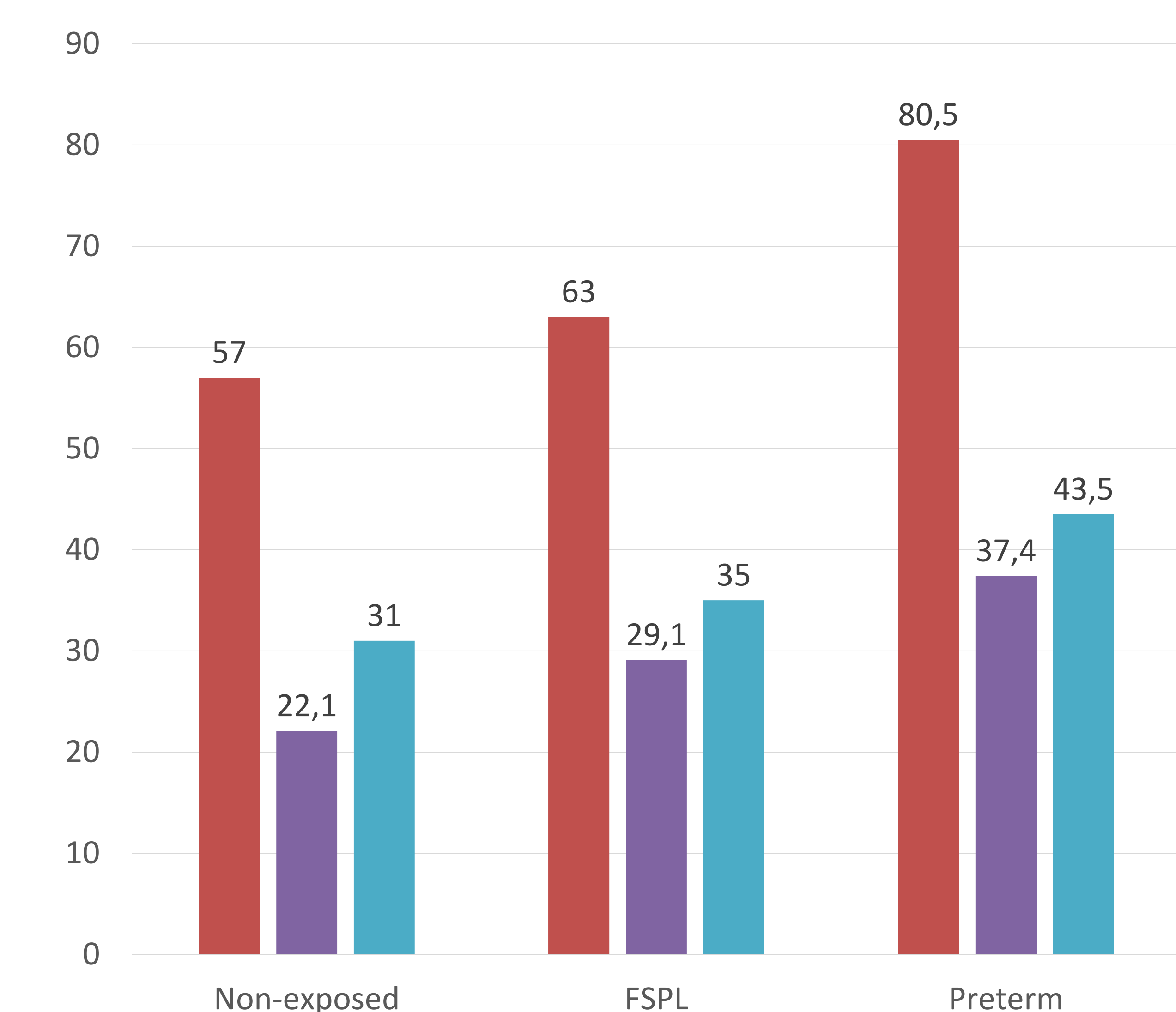
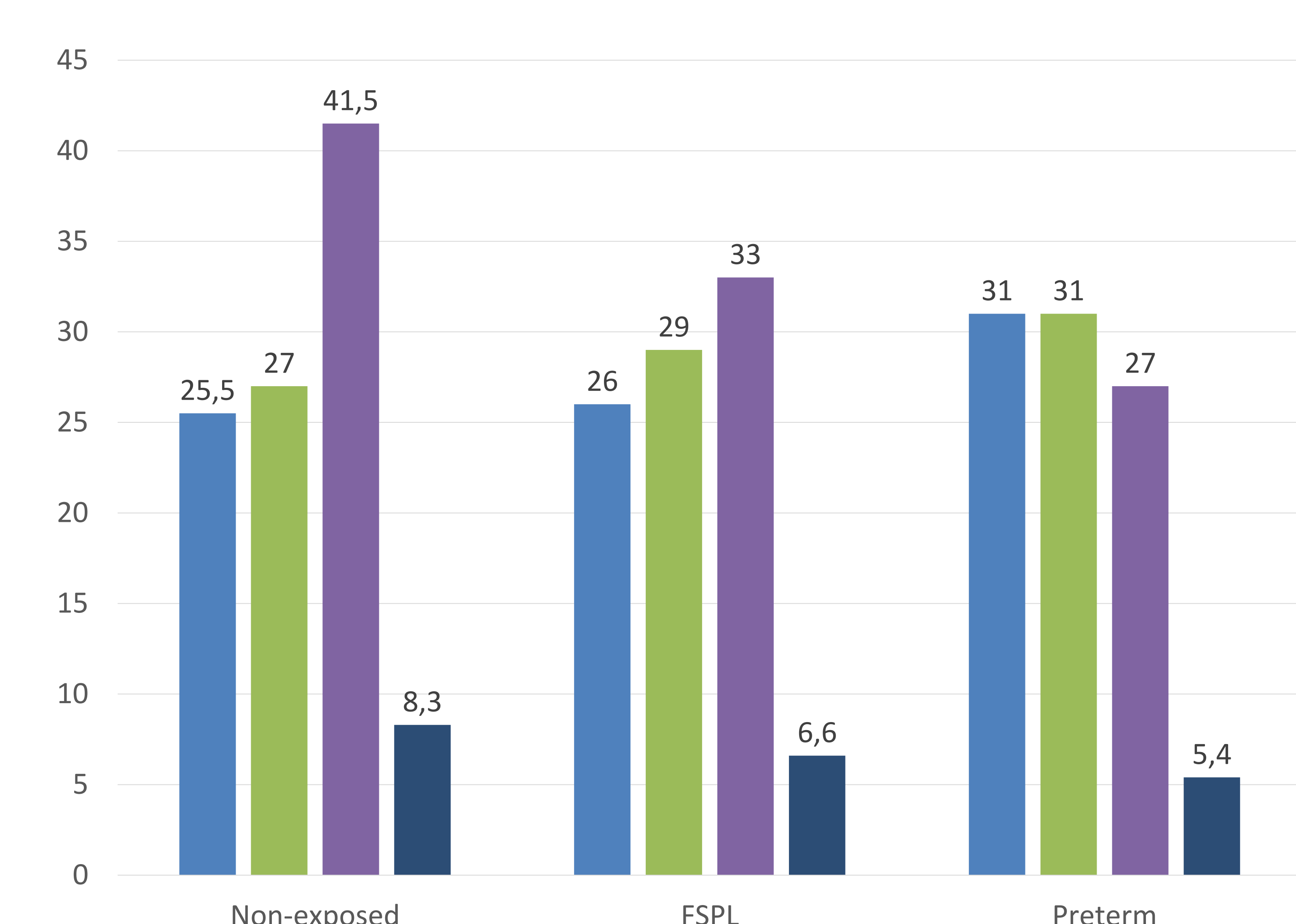


EP17.04 Impact of suspected preterm labor in cardiovascular an metabolic profiles in fetal life

Abadía-Cuchí, Natalia; Medel-Martínez, Ana; Maestro-Quibús, Pilar; Lerma-Irureta, Juan; Fabre, Marta; Clavero-Adell, Marcos; Paules, Cristina

Objective	Evaluate the impact of suspected preterm labor (SPL) on cardiovascular and metabolic profiles in fetal life and describe the impact of SPL on different biomarkers of cardiometabolic dysfunction in fetal cord blood																																														
Study design	Prospective cohort study which includes a cohort of pregnant women between with an episode of SPL and a non-exposed cohort of pregnant. Cord blood was obtained during third stage of labor. Different metabolic and cardiovascular biomarkers were analysed.																																														
Results	False SPL babies (FSPL) showed an intermediate metabolic profile between non-exposed babies and preterm babies. <table><tr><th>Group</th><th>Pro-BNP levels</th></tr><tr><td>Non-exposed</td><td>441,5</td></tr><tr><td>FSPL</td><td>478,5</td></tr><tr><td>Preterm</td><td>1067,5</td></tr></table> <table><tr><th>Group</th><th>Total cholesterol</th><th>LDL</th><th>Non-HDL cholesterol</th></tr><tr><td>Non-exposed</td><td>57</td><td>22,1</td><td>31</td></tr><tr><td>FSPL</td><td>63</td><td>29,1</td><td>35</td></tr><tr><td>Preterm</td><td>80,5</td><td>37,4</td><td>43,5</td></tr></table> <table><tr><th>Group</th><th>APO B</th><th>HDL</th><th>Triglycerids</th><th>VLDL</th></tr><tr><td>Non-exposed</td><td>25,5</td><td>27</td><td>41,5</td><td>8,3</td></tr><tr><td>FSPL</td><td>26</td><td>29</td><td>33</td><td>6,6</td></tr><tr><td>Preterm</td><td>31</td><td>31</td><td>27</td><td>5,4</td></tr></table>			Group	Pro-BNP levels	Non-exposed	441,5	FSPL	478,5	Preterm	1067,5	Group	Total cholesterol	LDL	Non-HDL cholesterol	Non-exposed	57	22,1	31	FSPL	63	29,1	35	Preterm	80,5	37,4	43,5	Group	APO B	HDL	Triglycerids	VLDL	Non-exposed	25,5	27	41,5	8,3	FSPL	26	29	33	6,6	Preterm	31	31	27	5,4
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Conclusion	Preterm babies have a compromised cardiac and metabolic profile at birth. FSPL babies show a metabolic profile intermediate between term control babies and preterm babies, suggesting that SPL is not a benign condition even if labor occurs at term..		
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