Appendix

Table I
Summary of work packages (objectives and tasks) within the TackSHS project (November 2015 – October 2019).

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<tr>
<th>WP name (lead institution)</th>
<th>Objectives</th>
<th>Tasks</th>
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<tr>
<td>WP1. Coordination and management (Catalan Institute of Oncology, Spain)</td>
<td>To manage and coordinate all financial, administrative, scientific and communication activities of the project and timely achievements. To set up and run the structure for communication. To guarantee the successful achievement of the goals of the project. To establish equal opportunities within the consortium and ensure a strong interaction among the project’s elements and partners. To monitor effective implementation of the work plan. To control and report ensuring that the project deliverables are met in an integrated and timely manner within the agreed budget. To manage the decision-making process. To communicate with and report to designated EU project officer. To resolve conflict situations and manage risks.</td>
<td>Task 1.1 Management and internal communication. Task 1.2 Scientific coordination and management. Task 1.3 Activities integration and scientific organisation of meetings. Task 1.4 Web-based management tool. Task 1.5 Quality assurance. Task 1.6 Risk management.</td>
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<td>WP2. Environmental assessment of SHS exposure in private settings and outdoor settings in Europe</td>
<td>To develop a protocol explaining in detail the methodology of the environmental assessment of SHS. To assess the levels of SHS in a range of private and outdoor settings in different European countries according to the type of setting, smoke-free legislation and socioeconomic characteristics. To develop evidence-based policy recommendations for policy makers and health authorities.</td>
<td>Task 2.1 Designing and writing of a detailed protocol. Task 2.2 Assessment of the levels of SHS. Task 2.3 Analysis of data. Task 2.4 Dissemination of results.</td>
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| WP3. Survey on secondhand smoke and electronic cigarettes in Europe | To estimate the prevalence of current smokers, electronic cigarette users and heated tobacco products users, and passive exposure to SHS and SHA from electronic cigarettes, using original data from a pan-European survey conducted in 12 strategically selected countries | Task 3.1 Conducting a European survey  
Task 3.2 Analysis of data  
Task 3.3 Dissemination of results |
| WP4. Measuring for change: air quality feedback to reduce SHS exposure in the home | To establish a methodology to measure air quality in homes of smokers using low-cost, simple particle monitoring devices  
To quantify SHS exposure levels in the home of smokers and provide feedback that compares the air quality with the median value from local smoke-free homes  
To evaluate the impact of the intervention in terms of behaviour change (household and car smoking rules) and attitudes towards SHS | Task 4.1 Development of methods to measure SHS  
Task 4.2 Recruitment of participants  
Task 4.3 Quantification of SHS in homes  
Task 4.4 Evaluation of the impact of the intervention and results dissemination |
| WP5. Exposure to secondhand smoke in outside areas exempted from | To measure SHS in areas exempted from smoke-free legislation in three European countries where comprehensive smoke-free legislation exists | Task 5.1 Patients’ recruitment  
Task 5.2 Training in measurements |
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<tr>
<th>WP6. Clinical impact of secondhand exposure to e-cigarette emissions on the respiratory system of healthy adults (Hellenic Cancer Society, Greece) [NCT03102684]</th>
<th>To assess the impact of passive exposure to e-cigarette aerosol on indexes of pulmonary resistance, reactance and impedance</th>
<th>Task 6.1 Formulation of exposure protocols</th>
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<td>To evaluate the extent to which passive exposure to e-cigarette vapour impacts exhaled NO and exhaled breath condensate metabolites among healthy adults</td>
<td>Task 6.2 Experimental laboratory trials</td>
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<td>To assess the mediating effect of e-cigarette battery output on pulmonary outcomes and indexes</td>
<td>Task 6.3 Data cleaning and analysis</td>
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<td>Task 6.4 Dissemination of results</td>
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<td>WP7. Secondhand tobacco smoke in experimental and real-life conditions: methods of measurement (IRCCS – National Institute of Oncology, Italy)</td>
<td>To compare different methods to measure SHS and SHA (real-time and time-integrated measurements of PM and gas-phase pollutants)</td>
<td>Task 7.1 Comparison of methods</td>
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<td>To calibrate different real-time PM counting devices to be used in the TaCkSHS Project against certified gravimetric methods</td>
<td>Task 7.2 Calibration of devices</td>
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<td>To evaluate the feasibility of the selected measurement methods of SHS and e-cigarette aerosols in experimental and real-life environments</td>
<td>Task 7.3 Trial of measurements in laboratory and real conditions</td>
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<td>Task 7.4 Dissemination of results</td>
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<td>WP8. Secondhand exposure to emissions from electronic cigarettes: personal and environmental assessment in confined spaces (Catalan Institute of Oncology, Spain)</td>
<td>To systematically review the published studies on passive exposure to e-cigarette aerosol, including controlled laboratory analysis of the aerosols produced by e-cigarettes, and studies assessing bystanders’ exposure with environmental markers and personal biomarkers</td>
<td>Task 8.1 Systematic review of existing evidence</td>
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<td>To investigate environmental and bystanders’ exposure to e-cigarette aerosol in controlled conditions in a car and a room</td>
<td>Task 8.2 Controlled experiments in a car and a room</td>
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<td>Task 8.3 Observational study in homes</td>
<td>Task 8.4 Analysis of samples and data processing</td>
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To investigate environmental and bystanders’ exposure to e-cigarettes aerosols in real-life conditions at homes of e-cigarettes users

**WP9. Attributable mortality and morbidity to secondhand smoke in Europe**
(Institute for the Study and Prevention of Cancer, Italy)

- To review the methods and data on attributable mortality and morbidity to SHS for European countries
- To develop algorithms of calculation of attributable mortality and morbidity to SHS
- To update data on attributable mortality and morbidity to SHS for EU countries

**Task 8.5 Dissemination of results**

**Task 9.1 Literature review on AMM and SHS**
**Task 9.2 Development of algorithms to calculate AMM**
**Task 9.3 Estimation of AMM in Europe**
**Task 9.4 Dissemination of results**

**WP10. Economic impact of secondhand tobacco smoke on morbidity and mortality and Return on Investment of Interventions**
(Cartagena Technical University, Spain)

- To develop a Return on Investment Model able to assess the cost-effectiveness, budget impact and a wider set of social return on investment metrics of policies aimed at reducing exposure to secondhand smoke
- To evaluate the Return on Investment of policies aimed at reducing exposure to secondhand smoke across European countries, with country-specific versions of the model, and to translate the results into policy proposals

**Task 10.1 Design of cost-effectiveness and cost-utility models**
**Task 10.2 Development of country-specific models**
**Task 10.3 Assessment of impact and dissemination**

**WP11. Dissemination of project findings**
(European Network for Smoking and Tobacco Prevention, Belgium)

- To develop and maintain a project webpage on the ENSP website
- To set up a network of interested policy makers, health professionals and other stakeholders, and to maintain communication and dissemination with this network
- To organise one interim workshop with experts and stakeholders, to evaluate the approaches and the first results of the project, and to make recommendations for further work
- To organise a final project conference
- To ensure varied forms of dissemination, including written and audiovisual materials

**Task 11.1 Development and maintaining of the project website**
**Task 11.2 Setting-up of a network**
**Task 11.3 Interim workshop**
**Task 11.4 Final conference**
**Task 11.5 Other forms of results and project dissemination and communication**
