

***Supplementary Material***

**Assessing the Value of PureWick™ for Female Urinary Incontinence in Non-Acute Settings: Multi-Country Cost-Effectiveness and Budget Impact Analyses**

Carla Rognoni<sup>1\*</sup>, Vittoria Ardito<sup>1</sup>, Ann Yates<sup>2</sup>, Rosanna Tarricone<sup>1,3</sup>

<sup>1</sup> Centre for Research on Health and Social Care Management (CERGAS), SDA Bocconi School of Management, Milan, Italy

<sup>2</sup> Continence Services, Cardiff and Vale University Health Board, Cardiff, Wales

<sup>3</sup> Department of Social and Political Sciences, Bocconi University, Milan, Italy

**Corresponding author**

Carla Rognoni, PhD

Centre for Research on Health and Social Care Management (CERGAS), SDA Bocconi School of Management, Bocconi University, Via Sarfatti 10, Milan 20136, Italy

Email: [carla.rognoni@unibocconi.it](mailto:carla.rognoni@unibocconi.it)

Supplementary Table 1 - Search queries from the preliminary literature review

| Outcome       | PubMed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Web of Science (WoS)                                                                                                                                                                                                                                                                                          | PubMed<br>(2014-<br>2024) | WoS<br>(2014-<br>2024) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|
| Infections    | ((((incontinence[Title/Abstract] OR "urin*" [Title/Abstract] OR "bladder control"[Title/Abstract] OR leakage[Title/Abstract] OR dysfunction[Title/Abstract]) AND ("female*" [Title/Abstract] OR woman[Title/Abstract] OR women[Title/Abstract] OR feminine[Title/Abstract])) AND (purewick[Title/Abstract] OR "wicking device*" [Title/Abstract] OR pad[Title/Abstract] OR pads[Title/Abstract] OR "diaper*" [Title/Abstract] OR "pant*" [Title/Abstract] OR "catheter*" [Title/Abstract] OR foley[Title/Abstract])) AND ("infection*" [Title/Abstract] OR UTI[Title/Abstract] OR CAUTI[Title/Abstract]))                                               | ((((TS=(incontinence OR "urin*" OR "bladder control" OR leakage OR dysfunction)) AND TS=("female*" OR woman OR women OR feminine)) AND TS=((purewick OR "wicking device*" OR pad OR pads OR "diaper*" OR "pant*" OR "catheter*" OR foley))) AND TS=((("infection*" OR UTI OR cauti OR CAUTI))                 | 1,063<br>records          | 1,217<br>records       |
| Night falls   | ((((incontinence[Title/Abstract] OR "urin*" [Title/Abstract] OR "bladder control"[Title/Abstract] OR leakage[Title/Abstract] OR dysfunction[Title/Abstract]) AND ("female*" [Title/Abstract] OR woman[Title/Abstract] OR women[Title/Abstract] OR feminine[Title/Abstract]) AND (purewick[Title/Abstract] OR "wicking device*" [Title/Abstract] OR pad[Title/Abstract] OR pads[Title/Abstract] OR "diaper*" [Title/Abstract] OR "pant*" [Title/Abstract] OR "catheter*" [Title/Abstract] OR foley[Title/Abstract]) AND (fall*[Title/Abstract] OR drop*[Title/Abstract] OR "sleep quality"[Title/Abstract] OR "sleep hour"[Title/Abstract]))             | ((((TS=(incontinence OR "urin*" OR "bladder control" OR leakage OR dysfunction)) AND TS=("female*" OR woman OR women OR feminine)) AND TS=((purewick OR "wicking device*" OR pad OR pads OR "diaper*" OR "pant*" OR "catheter*" OR foley))) AND TS=((("fall*" OR "drop*" OR "sleep quality" OR "sleep hour")) | 65<br>records             | 83<br>records          |
| Skin problems | ("incontinence"[Title/Abstract] OR "urin*" [Title/Abstract] OR "bladder control"[Title/Abstract] OR "leakage"[Title/Abstract] OR "dysfunction"[Title/Abstract]) AND ("female*" [Title/Abstract] OR "woman"[Title/Abstract] OR "women"[Title/Abstract] OR "feminine"[Title/Abstract]) AND ("purewick"[Title/Abstract] OR "wicking device*" [Title/Abstract] OR "pad"[Title/Abstract] OR "diaper*" [Title/Abstract] OR "pant*" [Title/Abstract] OR "catheter*" [Title/Abstract] OR "foley"[Title/Abstract]) AND ("Skin"[Title/Abstract] OR "cutaneous"[Title/Abstract] OR "derma"[Title/Abstract] OR "cutis"[Title/Abstract] OR "dermis"[Title/Abstract]) | ((((TS=(incontinence OR "urin*" OR "bladder control" OR leakage OR dysfunction)) AND TS=("female*" OR woman OR women OR feminine)) AND TS=((purewick OR "wicking device*" OR pad OR pads OR "diaper*" OR "pant*" OR "catheter*" OR foley))) AND TS=((skin OR cutaneous OR derma OR cutis OR dermis))          | 121<br>records            | 150<br>records         |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| Nursing time         | ((("incontinence"[Title/Abstract] OR "urin*" [Title/Abstract] OR "bladder control"[Title/Abstract] OR "leakage"[Title/Abstract] OR "dysfunction"[Title/Abstract]) AND ("female*" [Title/Abstract] OR "woman"[Title/Abstract] OR "women"[Title/Abstract] OR "feminine"[Title/Abstract]) AND ("purewick"[Title/Abstract] OR "wicking device*" [Title/Abstract] OR pad [Title/Abstract] OR pads [Title/Abstract] OR "diaper*" [Title/Abstract] OR "pant*" [Title/Abstract] OR "catheter*" [Title/Abstract] OR "foley" [Title/Abstract])) AND (nurs* [Title/Abstract] OR APN [Title/Abstract] OR personnel [Title/Abstract]) AND (time [Title/Abstract] OR timing [Title/Abstract] OR hour* [Title/Abstract] OR minute* [Title/Abstract] OR "nurse-driven protocol" [Title/Abstract]))                                                                                                                                                                                                                                                                      | ((TS=(incontinence OR "urin*" OR "bladder control" OR leakage OR dysfunction)) AND TS=("female*" OR woman OR women OR feminine)) AND TS=((purewick OR "wicking device*" OR pad OR pads OR "diaper*" OR "pant*" OR "catheter*" OR foley))) AND TS=((nurs* OR APN OR personnel)) AND TS=((time OR timing OR hour* OR minute* OR "nurse-driven protocol"))                                                                                                                                   | 101<br>records | 58<br>records  |
| Environmental impact | ((("incontinence"[Title/Abstract] OR "urin*" [Title/Abstract] OR "bladder control"[Title/Abstract] OR "leakage"[Title/Abstract] OR "dysfunction"[Title/Abstract]) AND ("female*" [Title/Abstract] OR "woman"[Title/Abstract] OR "women"[Title/Abstract] OR "feminine"[Title/Abstract]) AND ("purewick"[Title/Abstract] OR "wicking device*" [Title/Abstract] OR pad [Title/Abstract] OR pads [Title/Abstract] OR "diaper*" [Title/Abstract] OR "pant*" [Title/Abstract] OR "catheter*" [Title/Abstract] OR "foley" [Title/Abstract])) AND (wast* [Title/Abstract] OR environment* [Title/Abstract] OR carbon* [Title/Abstract] OR fossil [Title/Abstract] OR CO2 [Title/Abstract] OR "greenhouse gas" [Title/Abstract] OR "water consumption" [Title/Abstract] OR pollution [Title/Abstract] OR "life cycle cost*" [Title/Abstract] OR "life cycle assessment" [Title/Abstract] OR LCA [Title/Abstract] OR sustainability [Title/Abstract] OR ESG [Title/Abstract] OR "environmental social governance" [Title/Abstract] OR toxicity [Title/Abstract])) | ((TS=(incontinence OR "urin*" OR "bladder control" OR leakage OR dysfunction)) AND TS=("female*" OR woman OR women OR feminine)) AND TS=((purewick OR "wicking device*" OR pad OR pads OR "diaper*" OR "pant*" OR "catheter*" OR foley))) AND TS=((“wast*” OR “environment*” OR carbon OR CO2 OR “greenhouse gas” OR “water consumption” OR pollution OR “Life Cycle Cost*” OR “Life Cycle Assessment” OR LCA OR sustainability OR ESG OR “Environmental Social Governance” OR toxicity)) | 93<br>records  | 116<br>records |

Supplementary Table 2 - Cost-effectiveness thresholds, by country

| Country     | Threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Belgium     | Although efforts are made to 'rationalize' the decision-making process and substantiate reimbursement requests with scientific evidence, decision making in Belgium remains mainly an interactive deliberation process. Clinical effectiveness is the most important scientific criterion used in the decision-making process of both the Drug Reimbursement Committee (DRC) and the Technical Council for Implants (TCI). Cost-effectiveness is sometimes considered in the DRC but rarely in the TCI. Budget impact is considered more important by both committees than the ICER [1]. |
| France      | In the absence of a cost-effectiveness threshold, interventions are qualified as efficient if they are non-dominated, without prejudging their acceptability in terms of the public decision-maker's maximum willingness to pay for health gain. Acceptability curves inform decision-makers about the probability that interventions are cost-effective at various cost-effectiveness thresholds [2].                                                                                                                                                                                   |
| Germany     | In Germany, a threshold value of nearly €90,000 per life-year gained for life-prolonging new, innovative health technologies is considered not deteriorating the efficiency of the German health care system [3]. Adjusting life-years for the quality of life does not decrease the threshold.                                                                                                                                                                                                                                                                                          |
| Italy       | 25,000-60,000€ [4,5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Netherlands | Since 2015, the National Health Care Institute has applied 3 different societal willingness-to-pay thresholds in decision making to determine whether health technologies can be provided at acceptable societal costs. These willingness-to-pay thresholds are €20,000, €50,000, and €80,000 per QALY gained. The relevant threshold is determined based on the severity of illness relevant for the assessed intervention [6]                                                                                                                                                          |
| Spain       | Spain was an early leader in promoting standardized methods for economic evaluations in healthcare. In the 1990s, the Ministry of Health commissioned a working group to develop a unified methodology for evaluating health technologies, including pharmaceuticals. However, the proposed framework was                                                                                                                                                                                                                                                                                |

|                |                                                                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | never implemented due to political and administrative challenges [7]. A willingness-to-pay threshold of 30,000 €/QALY is in general applied for cost-effectiveness evaluations [8]. |
| United Kingdom | The cost per QALY threshold by NICE for England and Wales is between £25,000 and £35,000 [9,10].                                                                                    |

ICER: incremental cost-effectiveness ratio; NICE: National Institute for Health and Care Excellence; NMB: net monetary benefit; QALY: quality-adjusted life years

## References

1. Thiry N, Neyt M, Van De Sande S, Cleemput I. Belgian guidelines for economic evaluations: second edition. *Int J Technol Assess Health Care*. 2014;30:601–7. <https://doi.org/10.1017/S0266462314000725>
2. Choices in methods for economic evaluation – HAS. 2020;
3. Gandjour A. A Model-Based Estimate of the Cost-Effectiveness Threshold in Germany. *Appl Health Econ Health Policy*. 2023;21:627–35. <https://doi.org/10.1007/s40258-023-00803-x>
4. Associazione Italiana di Economia Sanitaria Proposta di linee guida per la valutazione economica degli interventi sanitari. *Politiche Sanitarie* [Internet]. 2009 [cited 2021 July 22];10. <https://www.politichesanitarie.it/>. Accessed 22 July 2021
5. Messori A, Santarlasci B, Trippoli S. Guadagno di sopravvivenza dei nuovi farmaci. *Pharmacoeconomics-Ital-Res-Articles* [Internet]. 2004 [cited 2021 July 22];6:95–104. <https://doi.org/10.1007/BF03320627>
6. Geuzinge HA, El Alili M, Enzing JJ, Huis in 't Veld LM, Knies S, de Wit GA. The New Dutch Guideline for Economic Evaluations in Healthcare: Taking the Societal Perspective to the Next Level. *Value in Health* [Internet]. 2025 [cited 2025 Aug 2];28:930–5. <https://doi.org/10.1016/j.jval.2025.03.002>
7. López-Bastida J, Oliva J, Antoñanzas F, García-Altés A, Gisbert R, Mar J, et al. Spanish recommendations on economic evaluation of health technologies. *Eur J Health Econ* [Internet]. 2010 [cited 2025 Aug 3];11:513–20. <https://doi.org/10.1007/s10198-010-0244-4>
8. Catalá-López F, Ridao M, Alonso-Arroyo A, García-Altés A, Cameron C, González-Bermejo D, et al. The quality of reporting methods and results of cost-effectiveness analyses in Spain: a methodological systematic review. *Syst Rev* [Internet]. 2016 [cited 2025 Aug 3];5:6. <https://doi.org/10.1186/s13643-015-0181-5>

9. 5 The reference case | Guide to the methods of technology appraisal 2013 | Guidance | NICE [Internet]. NICE; 2013 [cited 2025 Aug 2]. <https://www.nice.org.uk/process/pmg9/chapter/the-reference-case>. Accessed 2 Aug 2025

10. Changes to NICE's cost-effectiveness thresholds confirmed [Internet]. NICE website: The National Institute for Health and Care Excellence. NICE; 2025 [cited 2025 Dec 19]. <https://www.nice.org.uk/news/articles/changes-to-nice-s-cost-effectiveness-thresholds-confirmed>. Accessed 19 Dec 2025

Supplementary Table 3 - One-way sensitivity analyses

| Belgium, Non-acute (nursing home) setting    |         |           |         | PureWick+pad vs. Pad |           |          |
|----------------------------------------------|---------|-----------|---------|----------------------|-----------|----------|
| Parameter                                    | Value   |           |         | ICUR (£/QALY)        |           |          |
|                                              | Low     | Base case | High    | Low                  | Base case | High     |
| U well                                       | 0.55    | 0.78      | 1.00    | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06    | 0.09      | 0.12    | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility fall                              | 0.08    | 0.12      | 0.16    | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 6.29    | 8.99      | 11.69   | Dominant             | Dominant  | Dominant |
| Cost PureWick canister+tubing                | 31.49   | 44.99     | 58.49   | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                   | 314.30  | 449.00    | 583.70  | Dominant             | Dominant  | Dominant |
| Cost pad                                     | 0.22    | 0.31      | 0.40    | Dominant             | Dominant  | Dominant |
| N Purewick/day                               | 1.05    | 1.50      | 1.95    | Dominant             | Dominant  | Dominant |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00     | 78.00   | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00      | 1.30    | Dominant             | Dominant  | Dominant |
| N Pads/day                                   | 2.80    | 4.00      | 5.20    | Dominant             | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50      | 11.05   | Dominant             | Dominant  | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59     | 24.17   | Dominant             | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08      | 0.11    | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                        | 0.51    | 0.72      | 0.94    | Dominant             | Dominant  | Dominant |
| Cost PAUTI/UTI                               | 2022.97 | 2889.95   | 3756.94 | Dominant             | Dominant  | Dominant |
| Cost dermatitis                              | 86.48   | 123.54    | 160.60  | Dominant             | Dominant  | Dominant |
| Cost moisture lesion                         | 86.48   | 123.54    | 160.60  | Dominant             | Dominant  | Dominant |
| Cost night fall                              | 1599.54 | 2285.06   | 2970.58 | Dominant             | Dominant  | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41      | 0.53    | Dominant             | Dominant  | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41      | 0.53    | Dominant             | Dominant  | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06      | 0.07    | Dominant             | Dominant  | Dominant |
| Pad Frequency moisture lesion                | 0.17    | 0.24      | 0.31    | Dominant             | Dominant  | Dominant |
| Pad Frequency night falls                    | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Cost ordinary wastage Kg                     | 0.01    | 0.02      | 0.02    | Dominant             | Dominant  | Dominant |
| Cost invasive wastage Kg                     | 0.70    | 1.00      | 1.30    | Dominant             | Dominant  | Dominant |

|                                      |       |       |       |          |          |          |
|--------------------------------------|-------|-------|-------|----------|----------|----------|
| Weight PureWick (Kg)                 | 0.13  | 0.18  | 0.24  | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg) | 0.30  | 0.43  | 0.56  | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                      | 0.25  | 0.36  | 0.47  | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                   | 4.80  | 6.00  | 7.80  | Dominant | Dominant | Dominant |
| Duration Dermatitis                  | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Moisture lesion             | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Night fall (disability)     | 24.00 | 30.00 | 39.00 | Dominant | Dominant | Dominant |

| Belgium, Non-acute (home) setting            |         |           |         | PureWick+pad vs. Pad |           |          |
|----------------------------------------------|---------|-----------|---------|----------------------|-----------|----------|
| Parameter                                    | Value   |           |         | ICUR (£/QALY)        |           |          |
|                                              | Low     | Base case | High    | Low                  | Base case | High     |
| U well                                       | 0.55    | 0.78      | 1.00    | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06    | 0.09      | 0.12    | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility fall                              | 0.08    | 0.12      | 0.16    | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 6.29    | 8.99      | 11.69   | Dominant             | Dominant  | Dominant |
| Cost PureWick canister+tubing                | 31.49   | 44.99     | 58.49   | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                   | 314.30  | 449.00    | 583.70  | Dominant             | Dominant  | Dominant |
| Cost pad                                     | 0.22    | 0.31      | 0.40    | Dominant             | Dominant  | Dominant |
| N Purewick/day                               | 1.05    | 1.50      | 1.95    | Dominant             | Dominant  | Dominant |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00     | 78.00   | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00      | 1.30    | Dominant             | Dominant  | Dominant |
| N Pads/day                                   | 2.80    | 4.00      | 5.20    | Dominant             | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50      | 11.05   | Dominant             | Dominant  | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59     | 24.17   | Dominant             | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08      | 0.11    | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                        | 0.51    | 0.72      | 0.94    | Dominant             | Dominant  | Dominant |
| Cost PAUTI/UTI                               | 2022.97 | 2889.95   | 3756.94 | Dominant             | Dominant  | Dominant |
| Cost dermatitis                              | 86.48   | 123.54    | 160.60  | Dominant             | Dominant  | Dominant |
| Cost moisture lesion                         | 86.48   | 123.54    | 160.60  | Dominant             | Dominant  | Dominant |
| Cost night fall                              | 1599.54 | 2285.06   | 2970.58 | Dominant             | Dominant  | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41      | 0.53    | Dominant             | Dominant  | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |

|                                      |       |       |       |          |          |          |
|--------------------------------------|-------|-------|-------|----------|----------|----------|
| Purewick Frequency night falls       | 0.00  | 0.00  | 0.00  | Dominant | Dominant | Dominant |
| Pad Frequency UTI                    | 0.29  | 0.41  | 0.53  | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis             | 0.04  | 0.06  | 0.07  | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion        | 0.17  | 0.24  | 0.31  | Dominant | Dominant | Dominant |
| Pad Frequency night falls            | 0.02  | 0.03  | 0.04  | Dominant | Dominant | Dominant |
| Cost ordinary wastage Kg             | 0.01  | 0.02  | 0.02  | Dominant | Dominant | Dominant |
| Cost invasive wastage Kg             | 0.70  | 1.00  | 1.30  | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                 | 0.13  | 0.18  | 0.24  | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg) | 0.30  | 0.43  | 0.56  | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                      | 0.25  | 0.36  | 0.47  | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                   | 4.80  | 6.00  | 7.80  | Dominant | Dominant | Dominant |
| Duration Dermatitis                  | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Moisture lesion             | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Night fall (disability)     | 24.00 | 30.00 | 39.00 | Dominant | Dominant | Dominant |

| France, Non-acute (nursing home) setting     |        |           |        | PureWick+pad vs. Pad |           |          |
|----------------------------------------------|--------|-----------|--------|----------------------|-----------|----------|
| Parameter                                    | Value  |           |        | ICUR (€/QALY)        |           |          |
|                                              | Low    | Base case | High   | Low                  | Base case | High     |
| U well                                       | 0.55   | 0.78      | 1.00   | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06   | 0.09      | 0.12   | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02   | 0.03      | 0.04   | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02   | 0.03      | 0.04   | Dominant             | Dominant  | Dominant |
| Disutility fall                              | 0.08   | 0.12      | 0.16   | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 6.29   | 8.99      | 11.69  | Dominant             | Dominant  | 5277726  |
| Cost PureWick canister+tubing                | 31.49  | 44.99     | 58.49  | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                   | 314.30 | 449.00    | 583.70 | Dominant             | Dominant  | Dominant |
| Cost pad                                     | 0.66   | 0.94      | 1.23   | 559205               | Dominant  | Dominant |
| N Purewick/day                               | 1.05   | 1.50      | 1.95   | Dominant             | Dominant  | 5590271  |
| Freq. change PureWick canister+tubing (days) | 42.00  | 60.00     | 78.00  | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70   | 1.00      | 1.30   | Dominant             | Dominant  | 2029983  |
| N Pads/day                                   | 2.80   | 4.00      | 5.20   | 10197703             | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95   | 8.50      | 11.05  | Dominant             | Dominant  | 858818   |
| Nursing time Pad (min)                       | 13.01  | 18.59     | 24.17  | 6093450              | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06   | 0.08      | 0.11   | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                        | 0.19   | 0.27      | 0.36   | 4535705              | Dominant  | Dominant |

|                                      |         |         |         |          |          |          |
|--------------------------------------|---------|---------|---------|----------|----------|----------|
| Cost PAUTI/UTI                       | 913.63  | 1305.18 | 1696.73 | Dominant | Dominant | Dominant |
| Cost dermatitis                      | 101.12  | 144.45  | 187.79  | Dominant | Dominant | Dominant |
| Cost moisture lesion                 | 101.12  | 144.45  | 187.79  | Dominant | Dominant | Dominant |
| Cost night fall                      | 3500.00 | 5000.00 | 6500.00 | Dominant | Dominant | Dominant |
| Purewick Frequency PAUTI             | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Purewick Frequency dermatitis        | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency moisture lesion   | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency night falls       | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Pad Frequency UTI                    | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis             | 0.04    | 0.06    | 0.07    | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion        | 0.17    | 0.24    | 0.31    | Dominant | Dominant | Dominant |
| Pad Frequency night falls            | 0.02    | 0.03    | 0.04    | Dominant | Dominant | Dominant |
| Cost ordinary wastage Kg             | 0.19    | 0.27    | 0.35    | Dominant | Dominant | Dominant |
| Cost invasive wastage Kg             | 0.50    | 0.72    | 0.94    | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                 | 0.13    | 0.18    | 0.24    | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg) | 0.30    | 0.43    | 0.56    | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                      | 0.25    | 0.36    | 0.47    | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                   | 4.80    | 6.00    | 7.80    | Dominant | Dominant | Dominant |
| Duration Dermatitis                  | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Moisture lesion             | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Night fall (disability)     | 24.00   | 30.00   | 39.00   | Dominant | Dominant | Dominant |

| France, Non-acute (home) setting |        |           |        | PureWick+pad vs. Pad |           |          |
|----------------------------------|--------|-----------|--------|----------------------|-----------|----------|
| Parameter                        | Value  |           |        | ICUR (€/QALY)        |           |          |
|                                  | Low    | Base case | High   | Low                  | Base case | High     |
| U well                           | 0.55   | 0.78      | 1.00   | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI             | 0.06   | 0.09      | 0.12   | Dominant             | Dominant  | Dominant |
| Disutility dermatitis            | 0.02   | 0.03      | 0.04   | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion       | 0.02   | 0.03      | 0.04   | Dominant             | Dominant  | Dominant |
| Disutility fall                  | 0.08   | 0.12      | 0.16   | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)          | 6.29   | 8.99      | 11.69  | Dominant             | Dominant  | 4104299  |
| Cost PureWick canister+tubing    | 31.49  | 44.99     | 58.49  | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit       | 314.30 | 449.00    | 583.70 | Dominant             | Dominant  | Dominant |
| Cost pad                         | 0.90   | 1.28      | 1.66   | Dominant             | Dominant  | Dominant |
| N Purewick/day                   | 1.05   | 1.50      | 1.95   | Dominant             | Dominant  | 4661793  |

|                                              |         |         |         |          |          |          |
|----------------------------------------------|---------|---------|---------|----------|----------|----------|
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00   | 78.00   | Dominant | Dominant | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00    | 1.30    | Dominant | Dominant | 962700   |
| N Pads/day                                   | 2.80    | 4.00    | 5.20    | 9448853  | Dominant | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50    | 11.05   | Dominant | Dominant | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59   | 24.17   | 4920023  | Dominant | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08    | 0.11    | Dominant | Dominant | Dominant |
| Nurse cost per minute                        | 0.19    | 0.27    | 0.36    | 3362278  | Dominant | Dominant |
| Cost PAUTI/UTI                               | 913.63  | 1305.18 | 1696.73 | Dominant | Dominant | Dominant |
| Cost dermatitis                              | 101.12  | 144.45  | 187.79  | Dominant | Dominant | Dominant |
| Cost moisture lesion                         | 101.12  | 144.45  | 187.79  | Dominant | Dominant | Dominant |
| Cost night fall                              | 3500.00 | 5000.00 | 6500.00 | Dominant | Dominant | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06    | 0.07    | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion                | 0.17    | 0.24    | 0.31    | Dominant | Dominant | Dominant |
| Pad Frequency night falls                    | 0.02    | 0.03    | 0.04    | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                         | 0.13    | 0.18    | 0.24    | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg)         | 0.30    | 0.43    | 0.56    | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                              | 0.25    | 0.36    | 0.47    | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                           | 4.80    | 6.00    | 7.80    | Dominant | Dominant | Dominant |
| Duration Dermatitis                          | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Moisture lesion                     | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Night fall (disability)             | 24.00   | 30.00   | 39.00   | Dominant | Dominant | Dominant |

| Germany, Non-acute (nursing home) setting |       |           |      | PureWick+pad vs. Pad |           |          |
|-------------------------------------------|-------|-----------|------|----------------------|-----------|----------|
| Parameter                                 | Value |           |      | ICUR (€/QALY)        |           |          |
|                                           | Low   | Base case | High | Low                  | Base case | High     |
| U well                                    | 0.55  | 0.78      | 1.00 | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                      | 0.06  | 0.09      | 0.12 | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                     | 0.02  | 0.03      | 0.04 | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                | 0.02  | 0.03      | 0.04 | Dominant             | Dominant  | Dominant |
| Disutility fall                           | 0.08  | 0.12      | 0.16 | Dominant             | Dominant  | Dominant |

|                                              |         |         |         |          |          |          |
|----------------------------------------------|---------|---------|---------|----------|----------|----------|
| Cost PureWick (1 piece)                      | 6.29    | 8.99    | 11.69   | Dominant | Dominant | Dominant |
| Cost PureWick canister+tubing                | 31.49   | 44.99   | 58.49   | Dominant | Dominant | Dominant |
| Cost PureWick suction unit                   | 314.30  | 449.00  | 583.70  | Dominant | Dominant | Dominant |
| Cost pad                                     | 0.18    | 0.25    | 0.33    | Dominant | Dominant | Dominant |
| N Purewick/day                               | 1.05    | 1.50    | 1.95    | Dominant | Dominant | Dominant |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00   | 78.00   | Dominant | Dominant | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00    | 1.30    | Dominant | Dominant | Dominant |
| N Pads/day                                   | 2.80    | 4.00    | 5.20    | 5121345  | Dominant | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50    | 11.05   | Dominant | Dominant | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59   | 24.17   | 390183   | Dominant | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08    | 0.11    | Dominant | Dominant | Dominant |
| Nurse cost per minute                        | 0.35    | 0.50    | 0.65    | Dominant | Dominant | Dominant |
| Cost PAUTI/UTI                               | 977.05  | 1395.79 | 1814.53 | Dominant | Dominant | Dominant |
| Cost dermatitis                              | 64.93   | 92.75   | 120.58  | Dominant | Dominant | Dominant |
| Cost moisture lesion                         | 75.43   | 107.75  | 140.08  | Dominant | Dominant | Dominant |
| Cost night fall                              | 4213.30 | 6019.00 | 7824.70 | Dominant | Dominant | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06    | 0.07    | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion                | 0.17    | 0.24    | 0.31    | Dominant | Dominant | Dominant |
| Pad Frequency night falls                    | 0.02    | 0.03    | 0.04    | Dominant | Dominant | Dominant |
| Cost ordinary wastage Kg                     | 0.19    | 0.27    | 0.35    | Dominant | Dominant | Dominant |
| Cost invasive wastage Kg                     | 0.50    | 0.72    | 0.94    | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                         | 0.13    | 0.18    | 0.24    | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg)         | 0.30    | 0.43    | 0.56    | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                              | 0.25    | 0.36    | 0.47    | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                           | 4.80    | 6.00    | 7.80    | Dominant | Dominant | Dominant |
| Duration Dermatitis                          | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Moisture lesion                     | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Night fall (disability)             | 24.00   | 30.00   | 39.00   | Dominant | Dominant | Dominant |

Germany, Non-acute (home) setting

PureWick+pad vs. Pad

| Parameter                                    | Value   |           |         | ICUR (€/QALY) |           |          |
|----------------------------------------------|---------|-----------|---------|---------------|-----------|----------|
|                                              | Low     | Base case | High    | Low           | Base case | High     |
| U well                                       | 0.55    | 0.78      | 1.00    | Dominant      | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06    | 0.09      | 0.12    | Dominant      | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02    | 0.03      | 0.04    | Dominant      | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02    | 0.03      | 0.04    | Dominant      | Dominant  | Dominant |
| Disutility fall                              | 0.08    | 0.12      | 0.16    | Dominant      | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 6.29    | 8.99      | 11.69   | Dominant      | Dominant  | Dominant |
| Cost PureWick canister+tubing                | 31.49   | 44.99     | 58.49   | Dominant      | Dominant  | Dominant |
| Cost PureWick suction unit                   | 314.30  | 449.00    | 583.70  | Dominant      | Dominant  | Dominant |
| Cost pad                                     | 0.18    | 0.25      | 0.33    | Dominant      | Dominant  | Dominant |
| N Purewick/day                               | 1.05    | 1.50      | 1.95    | Dominant      | Dominant  | Dominant |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00     | 78.00   | Dominant      | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00      | 1.30    | Dominant      | Dominant  | Dominant |
| N Pads/day                                   | 2.80    | 4.00      | 5.20    | 5269130       | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50      | 11.05   | Dominant      | Dominant  | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59     | 24.17   | 711147        | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08      | 0.11    | Dominant      | Dominant  | Dominant |
| Nurse cost per minute                        | 0.35    | 0.50      | 0.65    | Dominant      | Dominant  | Dominant |
| Cost PAUTI/UTI                               | 977.05  | 1395.79   | 1814.53 | Dominant      | Dominant  | Dominant |
| Cost dermatitis                              | 64.93   | 92.75     | 120.58  | Dominant      | Dominant  | Dominant |
| Cost moisture lesion                         | 75.43   | 107.75    | 140.08  | Dominant      | Dominant  | Dominant |
| Cost night fall                              | 4213.30 | 6019.00   | 7824.70 | Dominant      | Dominant  | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41      | 0.53    | Dominant      | Dominant  | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00      | 0.00    | Dominant      | Dominant  | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00      | 0.00    | Dominant      | Dominant  | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00      | 0.00    | Dominant      | Dominant  | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41      | 0.53    | Dominant      | Dominant  | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06      | 0.07    | Dominant      | Dominant  | Dominant |
| Pad Frequency moisture lesion                | 0.17    | 0.24      | 0.31    | Dominant      | Dominant  | Dominant |
| Pad Frequency night falls                    | 0.02    | 0.03      | 0.04    | Dominant      | Dominant  | Dominant |
| Weight PureWick (Kg)                         | 0.13    | 0.18      | 0.24    | Dominant      | Dominant  | Dominant |
| Weight PureWick canister+tubing (Kg)         | 0.30    | 0.43      | 0.56    | Dominant      | Dominant  | Dominant |
| Weight Pad (Kg)                              | 0.25    | 0.36      | 0.47    | Dominant      | Dominant  | Dominant |
| Duration PAUTI/UTI                           | 4.80    | 6.00      | 7.80    | Dominant      | Dominant  | Dominant |
| Duration Dermatitis                          | 2.64    | 3.30      | 4.29    | Dominant      | Dominant  | Dominant |

|                                  |       |       |       |          |          |          |
|----------------------------------|-------|-------|-------|----------|----------|----------|
| Duration Moisture lesion         | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Night fall (disability) | 24.00 | 30.00 | 39.00 | Dominant | Dominant | Dominant |

| Italy, Non-acute (nursing home) setting      |         |           |         | PureWick+pad vs. Pad |           |          |
|----------------------------------------------|---------|-----------|---------|----------------------|-----------|----------|
| Parameter                                    | Value   |           |         | ICUR (€/QALY)        |           |          |
|                                              | Low     | Base case | High    | Low                  | Base case | High     |
| U well                                       | 0.55    | 0.78      | 1.00    | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06    | 0.09      | 0.12    | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility fall                              | 0.08    | 0.12      | 0.16    | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 6.29    | 8.99      | 11.69   | Dominant             | Dominant  | Dominant |
| Cost PureWick canister+tubing                | 31.49   | 44.99     | 58.49   | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                   | 314.30  | 449.00    | 583.70  | Dominant             | Dominant  | Dominant |
| Cost pad                                     | 0.64    | 0.92      | 1.19    | Dominant             | Dominant  | Dominant |
| N Purewick/day                               | 1.05    | 1.50      | 1.95    | Dominant             | Dominant  | Dominant |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00     | 78.00   | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00      | 1.30    | Dominant             | Dominant  | Dominant |
| N Pads/day                                   | 2.80    | 4.00      | 5.20    | 6309684              | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50      | 11.05   | Dominant             | Dominant  | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59     | 24.17   | 1108339              | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08      | 0.11    | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                        | 0.29    | 0.41      | 0.54    | Dominant             | Dominant  | Dominant |
| Cost PAUTI/UTI                               | 200.55  | 286.50    | 372.46  | Dominant             | Dominant  | Dominant |
| Cost dermatitis                              | 31.85   | 45.50     | 59.15   | Dominant             | Dominant  | Dominant |
| Cost moisture lesion                         | 112.70  | 161.00    | 209.30  | Dominant             | Dominant  | Dominant |
| Cost night fall                              | 1492.05 | 2131.50   | 2770.95 | Dominant             | Dominant  | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41      | 0.53    | Dominant             | Dominant  | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41      | 0.53    | Dominant             | Dominant  | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06      | 0.07    | Dominant             | Dominant  | Dominant |
| Pad Frequency moisture lesion                | 0.17    | 0.24      | 0.31    | Dominant             | Dominant  | Dominant |
| Pad Frequency night falls                    | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |

|                                      |       |       |       |          |          |          |
|--------------------------------------|-------|-------|-------|----------|----------|----------|
| Cost ordinary wastage Kg             | 0.21  | 0.30  | 0.39  | Dominant | Dominant | Dominant |
| Cost invasive wastage Kg             | 0.91  | 1.30  | 1.69  | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                 | 0.13  | 0.18  | 0.24  | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg) | 0.30  | 0.43  | 0.56  | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                      | 0.25  | 0.36  | 0.47  | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                   | 4.80  | 6.00  | 7.80  | Dominant | Dominant | Dominant |
| Duration Dermatitis                  | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Moisture lesion             | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Night fall (disability)     | 24.00 | 30.00 | 39.00 | Dominant | Dominant | Dominant |

| Italy, Non-acute (home) setting              |         |           |         | PureWick+pad vs. Pad |           |          |
|----------------------------------------------|---------|-----------|---------|----------------------|-----------|----------|
| Parameter                                    | Value   |           |         | ICUR (€/QALY)        |           |          |
|                                              | Low     | Base case | High    | Low                  | Base case | High     |
| U well                                       | 0.55    | 0.78      | 1.00    | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06    | 0.09      | 0.12    | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility fall                              | 0.08    | 0.12      | 0.16    | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 6.29    | 8.99      | 11.69   | Dominant             | Dominant  | Dominant |
| Cost PureWick canister+tubing                | 31.49   | 44.99     | 58.49   | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                   | 314.30  | 449.00    | 583.70  | Dominant             | Dominant  | Dominant |
| Cost pad                                     | 0.64    | 0.92      | 1.19    | Dominant             | Dominant  | Dominant |
| N Purewick/day                               | 1.05    | 1.50      | 1.95    | Dominant             | Dominant  | 53934    |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00     | 78.00   | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00      | 1.30    | Dominant             | Dominant  | Dominant |
| N Pads/day                                   | 2.80    | 4.00      | 5.20    | 6473890              | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50      | 11.05   | Dominant             | Dominant  | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59     | 24.17   | 1464965              | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08      | 0.11    | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                        | 0.29    | 0.41      | 0.54    | Dominant             | Dominant  | Dominant |
| Cost PAUTI/UTI                               | 200.55  | 286.50    | 372.46  | Dominant             | Dominant  | Dominant |
| Cost dermatitis                              | 31.85   | 45.50     | 59.15   | Dominant             | Dominant  | Dominant |
| Cost moisture lesion                         | 112.70  | 161.00    | 209.30  | Dominant             | Dominant  | Dominant |
| Cost night fall                              | 1492.05 | 2131.50   | 2770.95 | Dominant             | Dominant  | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41      | 0.53    | Dominant             | Dominant  | Dominant |

|                                      |       |       |       |          |          |          |
|--------------------------------------|-------|-------|-------|----------|----------|----------|
| Purewick Frequency dermatitis        | 0.00  | 0.00  | 0.00  | Dominant | Dominant | Dominant |
| Purewick Frequency moisture lesion   | 0.00  | 0.00  | 0.00  | Dominant | Dominant | Dominant |
| Purewick Frequency night falls       | 0.00  | 0.00  | 0.00  | Dominant | Dominant | Dominant |
| Pad Frequency UTI                    | 0.29  | 0.41  | 0.53  | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis             | 0.04  | 0.06  | 0.07  | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion        | 0.17  | 0.24  | 0.31  | Dominant | Dominant | Dominant |
| Pad Frequency night falls            | 0.02  | 0.03  | 0.04  | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                 | 0.13  | 0.18  | 0.24  | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg) | 0.30  | 0.43  | 0.56  | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                      | 0.25  | 0.36  | 0.47  | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                   | 4.80  | 6.00  | 7.80  | Dominant | Dominant | Dominant |
| Duration Dermatitis                  | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Moisture lesion             | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Night fall (disability)     | 24.00 | 30.00 | 39.00 | Dominant | Dominant | Dominant |

| Netherlands, Non-acute (nursing home) setting |        |           |        | PureWick+pad vs. Pad |           |          |
|-----------------------------------------------|--------|-----------|--------|----------------------|-----------|----------|
| Parameter                                     | Value  |           |        | ICUR (€/QALY)        |           |          |
|                                               | Low    | Base case | High   | Low                  | Base case | High     |
| U well                                        | 0.55   | 0.78      | 1.00   | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                          | 0.06   | 0.09      | 0.12   | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                         | 0.02   | 0.03      | 0.04   | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                    | 0.02   | 0.03      | 0.04   | Dominant             | Dominant  | Dominant |
| Disutility fall                               | 0.08   | 0.12      | 0.16   | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                       | 6.29   | 8.99      | 11.69  | Dominant             | Dominant  | Dominant |
| Cost PureWick canister+tubing                 | 31.49  | 44.99     | 58.49  | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                    | 314.30 | 449.00    | 583.70 | Dominant             | Dominant  | Dominant |
| Cost pad                                      | 0.22   | 0.31      | 0.40   | Dominant             | Dominant  | Dominant |
| N Purewick/day                                | 1.05   | 1.50      | 1.95   | Dominant             | Dominant  | Dominant |
| Freq. change PureWick canister+tubing (days)  | 42.00  | 60.00     | 78.00  | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day             | 0.70   | 1.00      | 1.30   | Dominant             | Dominant  | Dominant |
| N Pads/day                                    | 2.80   | 4.00      | 5.20   | Dominant             | Dominant  | Dominant |
| Nursing time PureWick (min)                   | 5.95   | 8.50      | 11.05  | Dominant             | Dominant  | Dominant |
| Nursing time Pad (min)                        | 13.01  | 18.59     | 24.17  | Dominant             | Dominant  | Dominant |
| Daily additional time PureWick (min)          | 0.06   | 0.08      | 0.11   | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                         | 0.51   | 0.72      | 0.94   | Dominant             | Dominant  | Dominant |

|                                      |         |         |         |          |          |          |
|--------------------------------------|---------|---------|---------|----------|----------|----------|
| Cost PAUTI/UTI                       | 2022.97 | 2889.95 | 3756.94 | Dominant | Dominant | Dominant |
| Cost dermatitis                      | 86.48   | 123.54  | 160.60  | Dominant | Dominant | Dominant |
| Cost moisture lesion                 | 86.48   | 123.54  | 160.60  | Dominant | Dominant | Dominant |
| Cost night fall                      | 1907.57 | 2725.10 | 3542.63 | Dominant | Dominant | Dominant |
| Purewick Frequency PAUTI             | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Purewick Frequency dermatitis        | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency moisture lesion   | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency night falls       | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Pad Frequency UTI                    | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis             | 0.04    | 0.06    | 0.07    | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion        | 0.17    | 0.24    | 0.31    | Dominant | Dominant | Dominant |
| Pad Frequency night falls            | 0.02    | 0.03    | 0.04    | Dominant | Dominant | Dominant |
| Cost ordinary wastage Kg             | 0.10    | 0.14    | 0.18    | Dominant | Dominant | Dominant |
| Cost invasive wastage Kg             | 0.48    | 0.69    | 0.89    | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                 | 0.13    | 0.18    | 0.24    | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg) | 0.30    | 0.43    | 0.56    | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                      | 0.25    | 0.36    | 0.47    | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                   | 4.80    | 6.00    | 7.80    | Dominant | Dominant | Dominant |
| Duration Dermatitis                  | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Moisture lesion             | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Night fall (disability)     | 24.00   | 30.00   | 39.00   | Dominant | Dominant | Dominant |

| Netherlands, Non-acute (home) setting |        |           |        | PureWick+pad vs. Pad |           |          |
|---------------------------------------|--------|-----------|--------|----------------------|-----------|----------|
| Parameter                             | Value  |           |        | ICUR (€/QALY)        |           |          |
|                                       | Low    | Base case | High   | Low                  | Base case | High     |
| U well                                | 0.55   | 0.78      | 1.00   | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                  | 0.06   | 0.09      | 0.12   | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                 | 0.02   | 0.03      | 0.04   | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion            | 0.02   | 0.03      | 0.04   | Dominant             | Dominant  | Dominant |
| Disutility fall                       | 0.08   | 0.12      | 0.16   | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)               | 6.29   | 8.99      | 11.69  | Dominant             | Dominant  | Dominant |
| Cost PureWick canister+tubing         | 31.49  | 44.99     | 58.49  | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit            | 314.30 | 449.00    | 583.70 | Dominant             | Dominant  | Dominant |
| Cost pad                              | 0.22   | 0.31      | 0.40   | Dominant             | Dominant  | Dominant |
| N Purewick/day                        | 1.05   | 1.50      | 1.95   | Dominant             | Dominant  | Dominant |

|                                              |         |         |         |          |          |          |
|----------------------------------------------|---------|---------|---------|----------|----------|----------|
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00   | 78.00   | Dominant | Dominant | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00    | 1.30    | Dominant | Dominant | Dominant |
| N Pads/day                                   | 2.80    | 4.00    | 5.20    | Dominant | Dominant | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50    | 11.05   | Dominant | Dominant | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59   | 24.17   | Dominant | Dominant | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08    | 0.11    | Dominant | Dominant | Dominant |
| Nurse cost per minute                        | 0.85    | 1.22    | 1.58    | Dominant | Dominant | Dominant |
| Cost PAUTI/UTI                               | 2022.97 | 2889.95 | 3756.94 | Dominant | Dominant | Dominant |
| Cost dermatitis                              | 86.48   | 123.54  | 160.60  | Dominant | Dominant | Dominant |
| Cost moisture lesion                         | 86.48   | 123.54  | 160.60  | Dominant | Dominant | Dominant |
| Cost night fall                              | 1907.57 | 2725.10 | 3542.63 | Dominant | Dominant | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06    | 0.07    | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion                | 0.17    | 0.24    | 0.31    | Dominant | Dominant | Dominant |
| Pad Frequency night falls                    | 0.02    | 0.03    | 0.04    | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                         | 0.13    | 0.18    | 0.24    | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg)         | 0.30    | 0.43    | 0.56    | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                              | 0.25    | 0.36    | 0.47    | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                           | 4.80    | 6.00    | 7.80    | Dominant | Dominant | Dominant |
| Duration Dermatitis                          | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Moisture lesion                     | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Night fall (disability)             | 24.00   | 30.00   | 39.00   | Dominant | Dominant | Dominant |

| Spain, Non-acute (nursing home) setting |       |           |      | PureWick+pad vs. Pad |           |          |
|-----------------------------------------|-------|-----------|------|----------------------|-----------|----------|
| Parameter                               | Value |           |      | ICUR (€/QALY)        |           |          |
|                                         | Low   | Base case | High | Low                  | Base case | High     |
| U well                                  | 0.55  | 0.78      | 1.00 | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                    | 0.06  | 0.09      | 0.12 | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                   | 0.02  | 0.03      | 0.04 | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion              | 0.02  | 0.03      | 0.04 | Dominant             | Dominant  | Dominant |
| Disutility fall                         | 0.08  | 0.12      | 0.16 | Dominant             | Dominant  | Dominant |

|                                              |         |         |          |          |          |          |
|----------------------------------------------|---------|---------|----------|----------|----------|----------|
| Cost PureWick (1 piece)                      | 6.29    | 8.99    | 11.69    | Dominant | Dominant | 2420227  |
| Cost PureWick canister+tubing                | 31.49   | 44.99   | 58.49    | Dominant | Dominant | Dominant |
| Cost PureWick suction unit                   | 314.30  | 449.00  | 583.70   | Dominant | Dominant | Dominant |
| Cost pad                                     | 0.40    | 0.57    | 0.74     | Dominant | Dominant | Dominant |
| N Purewick/day                               | 1.05    | 1.50    | 1.95     | Dominant | Dominant | 3628239  |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00   | 78.00    | Dominant | Dominant | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00    | 1.30     | Dominant | Dominant | Dominant |
| N Pads/day                                   | 2.80    | 4.00    | 5.20     | 8892346  | Dominant | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50    | 11.05    | Dominant | Dominant | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59   | 24.17    | 4351183  | Dominant | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08    | 0.11     | Dominant | Dominant | Dominant |
| Nurse cost per minute                        | 0.22    | 0.32    | 0.42     | 2537434  | Dominant | Dominant |
| Cost PAUTI/UTI                               | 1557.50 | 2225.00 | 2892.50  | Dominant | Dominant | Dominant |
| Cost dermatitis                              | 166.61  | 238.02  | 309.43   | Dominant | Dominant | Dominant |
| Cost moisture lesion                         | 166.61  | 238.02  | 309.43   | Dominant | Dominant | Dominant |
| Cost night fall                              | 5554.08 | 7934.40 | 10314.71 | Dominant | Dominant | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41    | 0.53     | Dominant | Dominant | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00    | 0.00     | Dominant | Dominant | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00    | 0.00     | Dominant | Dominant | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00    | 0.00     | Dominant | Dominant | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41    | 0.53     | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06    | 0.07     | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion                | 0.17    | 0.24    | 0.31     | Dominant | Dominant | Dominant |
| Pad Frequency night falls                    | 0.02    | 0.03    | 0.04     | Dominant | Dominant | Dominant |
| Cost ordinary wastage Kg                     | 0.98    | 1.40    | 1.82     | Dominant | Dominant | Dominant |
| Cost invasive wastage Kg                     | 0.98    | 1.40    | 1.82     | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                         | 0.13    | 0.18    | 0.24     | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg)         | 0.30    | 0.43    | 0.56     | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                              | 0.25    | 0.36    | 0.47     | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                           | 4.80    | 6.00    | 7.80     | Dominant | Dominant | Dominant |
| Duration Dermatitis                          | 2.64    | 3.30    | 4.29     | Dominant | Dominant | Dominant |
| Duration Moisture lesion                     | 2.64    | 3.30    | 4.29     | Dominant | Dominant | Dominant |
| Duration Night fall (disability)             | 24.00   | 30.00   | 39.00    | Dominant | Dominant | Dominant |

| Spain, Non-acute (home) setting              |         |           |          | PureWick+pad vs. Pad |           |          |
|----------------------------------------------|---------|-----------|----------|----------------------|-----------|----------|
| Parameter                                    | Value   |           |          | ICUR (€/QALY)        |           |          |
|                                              | Low     | Base case | High     | Low                  | Base case | High     |
| U well                                       | 0.55    | 0.78      | 1.00     | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06    | 0.09      | 0.12     | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02    | 0.03      | 0.04     | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02    | 0.03      | 0.04     | Dominant             | Dominant  | Dominant |
| Disutility fall                              | 0.08    | 0.12      | 0.16     | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 6.29    | 8.99      | 11.69    | Dominant             | Dominant  | 4084484  |
| Cost PureWick canister+tubing                | 31.49   | 44.99     | 58.49    | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                   | 314.30  | 449.00    | 583.70   | Dominant             | Dominant  | Dominant |
| Cost pad                                     | 0.40    | 0.57      | 0.74     | Dominant             | Dominant  | Dominant |
| N Purewick/day                               | 1.05    | 1.50      | 1.95     | Dominant             | Dominant  | 4774439  |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00     | 78.00    | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00      | 1.30     | Dominant             | Dominant  | 1000285  |
| N Pads/day                                   | 2.80    | 4.00      | 5.20     | 9658639              | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50      | 11.05    | Dominant             | Dominant  | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59     | 24.17    | 6015439              | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08      | 0.11     | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                        | 0.22    | 0.32      | 0.42     | 4201691              | Dominant  | Dominant |
| Cost PAUTI/UTI                               | 1557.50 | 2225.00   | 2892.50  | Dominant             | Dominant  | Dominant |
| Cost dermatitis                              | 166.61  | 238.02    | 309.43   | Dominant             | Dominant  | Dominant |
| Cost moisture lesion                         | 166.61  | 238.02    | 309.43   | Dominant             | Dominant  | Dominant |
| Cost night fall                              | 5554.08 | 7934.40   | 10314.71 | Dominant             | Dominant  | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41      | 0.53     | Dominant             | Dominant  | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00      | 0.00     | Dominant             | Dominant  | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00      | 0.00     | Dominant             | Dominant  | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00      | 0.00     | Dominant             | Dominant  | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41      | 0.53     | Dominant             | Dominant  | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06      | 0.07     | Dominant             | Dominant  | Dominant |
| Pad Frequency moisture lesion                | 0.17    | 0.24      | 0.31     | Dominant             | Dominant  | Dominant |
| Pad Frequency night falls                    | 0.02    | 0.03      | 0.04     | Dominant             | Dominant  | Dominant |
| Weight PureWick (Kg)                         | 0.13    | 0.18      | 0.24     | Dominant             | Dominant  | Dominant |
| Weight PureWick canister+tubing (Kg)         | 0.30    | 0.43      | 0.56     | Dominant             | Dominant  | Dominant |
| Weight Pad (Kg)                              | 0.25    | 0.36      | 0.47     | Dominant             | Dominant  | Dominant |

|                                  |       |       |       |          |          |          |
|----------------------------------|-------|-------|-------|----------|----------|----------|
| Duration PAUTI/UTI               | 4.80  | 6.00  | 7.80  | Dominant | Dominant | Dominant |
| Duration Dermatitis              | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Moisture lesion         | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Night fall (disability) | 24.00 | 30.00 | 39.00 | Dominant | Dominant | Dominant |

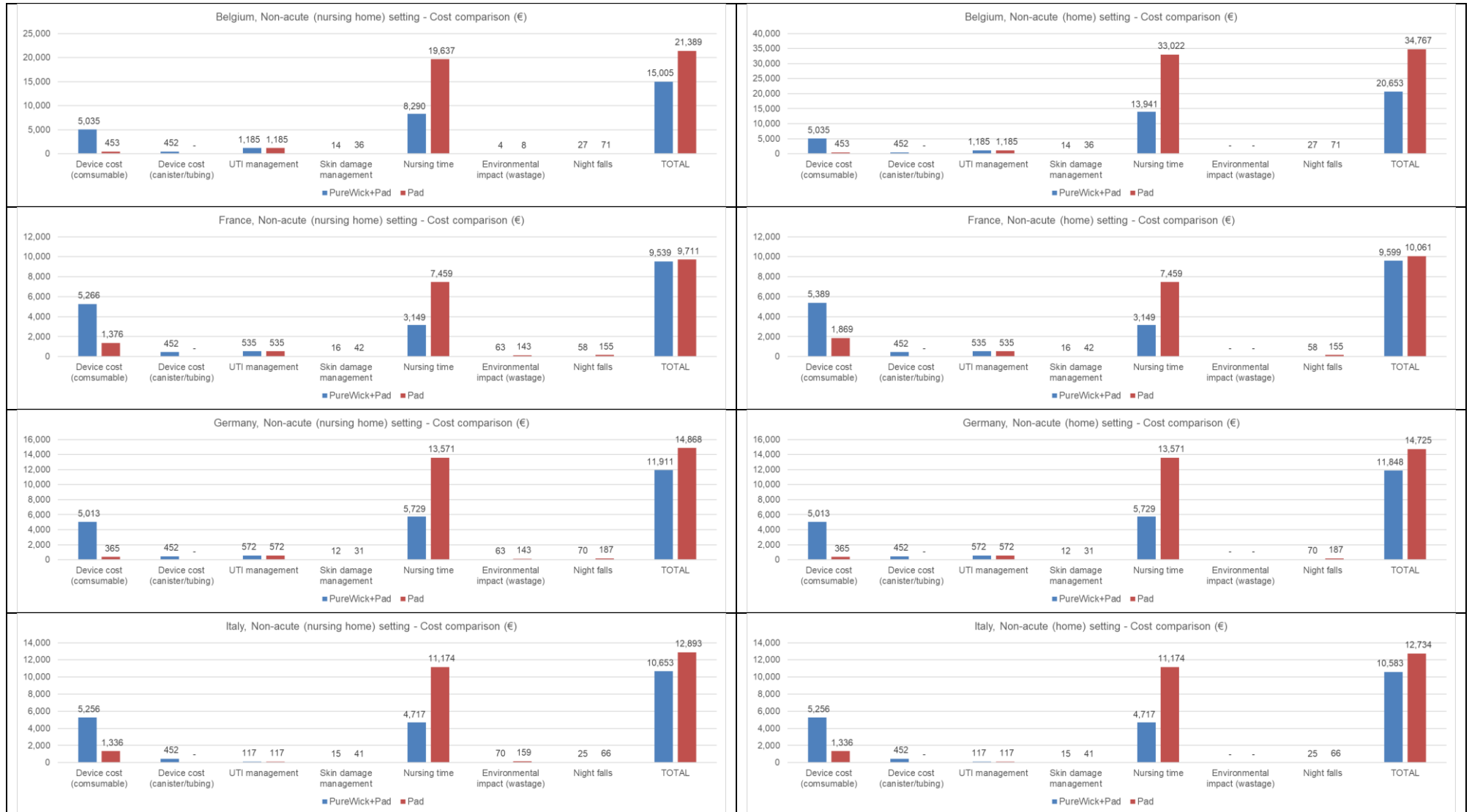
| UK, Non-acute (nursing home) setting         |         |           |         | PureWick+pad vs. Pad |           |          |
|----------------------------------------------|---------|-----------|---------|----------------------|-----------|----------|
| Parameter                                    | Value   |           |         | ICUR (£/QALY)        |           |          |
|                                              | Low     | Base case | High    | Low                  | Base case | High     |
| U well                                       | 0.55    | 0.78      | 1.00    | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06    | 0.09      | 0.12    | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02    | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility fall                              | 0.08    | 0.12      | 0.16    | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 4.56    | 6.51      | 8.46    | Dominant             | Dominant  | 2361859  |
| Cost PureWick canister+tubing                | 21.70   | 31.00     | 40.30   | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                   | 238.70  | 341.00    | 443.30  | Dominant             | Dominant  | Dominant |
| Cost pad                                     | 0.14    | 0.21      | 0.27    | Dominant             | Dominant  | Dominant |
| N Purewick/day                               | 1.05    | 1.50      | 1.95    | Dominant             | Dominant  | 3187095  |
| Freq. change PureWick canister+tubing (days) | 42.00   | 60.00     | 78.00   | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70    | 1.00      | 1.30    | Dominant             | Dominant  | 269573   |
| N Pads/day                                   | 2.80    | 4.00      | 5.20    | 6962712              | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95    | 8.50      | 11.05   | Dominant             | Dominant  | Dominant |
| Nursing time Pad (min)                       | 13.01   | 18.59     | 24.17   | 3910983              | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06    | 0.08      | 0.11    | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                        | 0.17    | 0.24      | 0.31    | 2562952              | Dominant  | Dominant |
| Cost PAUTI/UTI                               | 746.20  | 1066.00   | 1385.80 | Dominant             | Dominant  | Dominant |
| Cost dermatitis                              | 100.95  | 144.22    | 187.49  | Dominant             | Dominant  | Dominant |
| Cost moisture lesion                         | 100.95  | 144.22    | 187.49  | Dominant             | Dominant  | Dominant |
| Cost night fall                              | 2322.07 | 3317.24   | 4312.41 | Dominant             | Dominant  | Dominant |
| Purewick Frequency PAUTI                     | 0.29    | 0.41      | 0.53    | Dominant             | Dominant  | Dominant |
| Purewick Frequency dermatitis                | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Purewick Frequency moisture lesion           | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Purewick Frequency night falls               | 0.00    | 0.00      | 0.00    | Dominant             | Dominant  | Dominant |
| Pad Frequency UTI                            | 0.29    | 0.41      | 0.53    | Dominant             | Dominant  | Dominant |
| Pad Frequency dermatitis                     | 0.04    | 0.06      | 0.07    | Dominant             | Dominant  | Dominant |

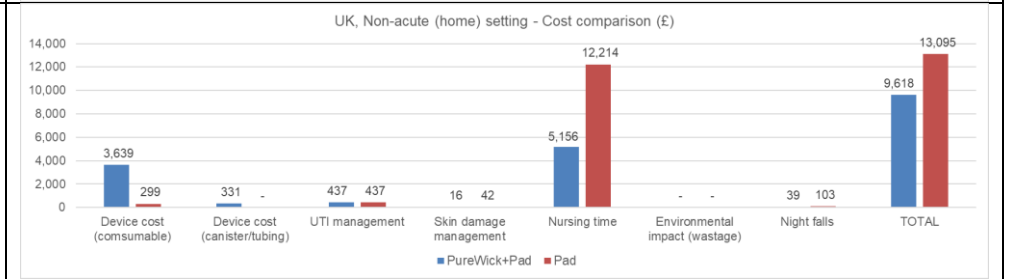
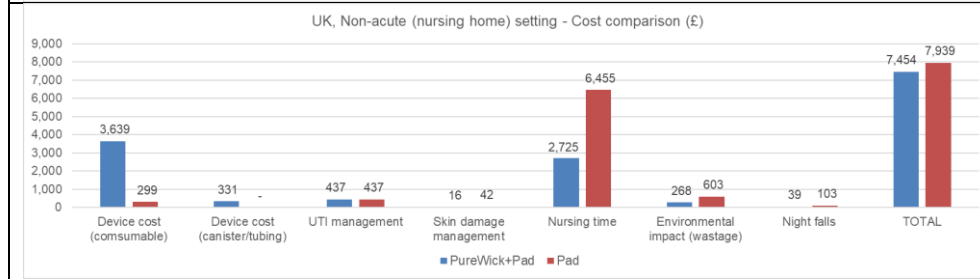
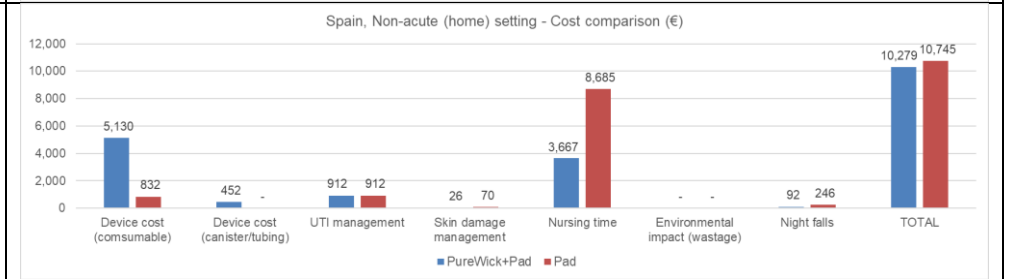
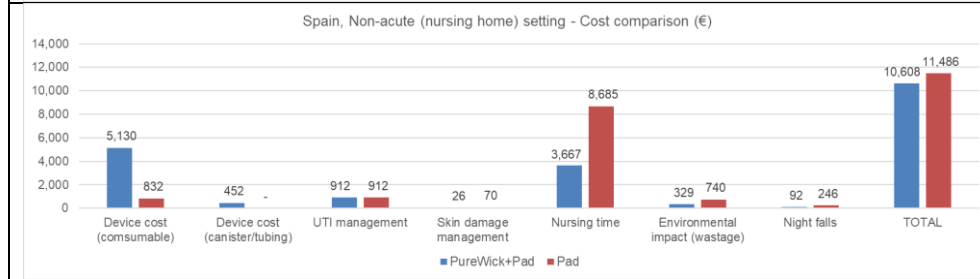
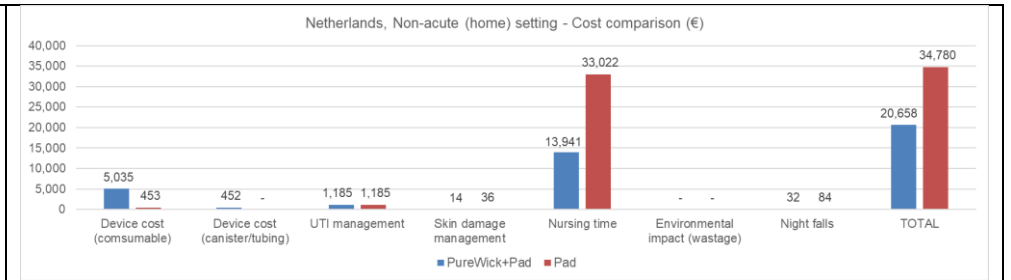
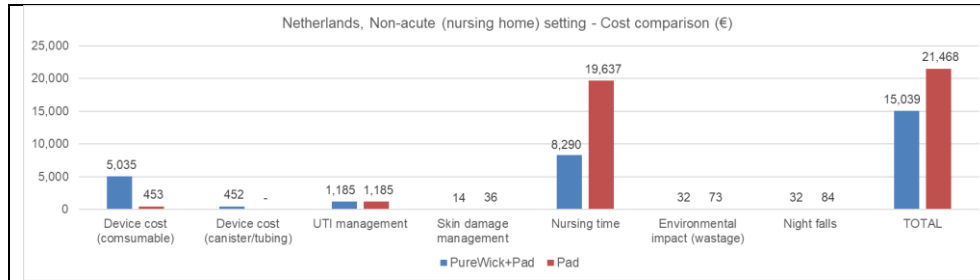
|                                      |       |       |       |          |          |          |
|--------------------------------------|-------|-------|-------|----------|----------|----------|
| Pad Frequency moisture lesion        | 0.17  | 0.24  | 0.31  | Dominant | Dominant | Dominant |
| Pad Frequency night falls            | 0.02  | 0.03  | 0.04  | Dominant | Dominant | Dominant |
| Cost ordinary wastage Kg             | 0.80  | 1.14  | 1.48  | Dominant | Dominant | Dominant |
| Cost invasive wastage Kg             | 2.75  | 3.93  | 5.11  | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                 | 0.13  | 0.18  | 0.24  | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg) | 0.30  | 0.43  | 0.56  | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                      | 0.25  | 0.36  | 0.47  | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                   | 4.80  | 6.00  | 7.80  | Dominant | Dominant | Dominant |
| Duration Dermatitis                  | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Moisture lesion             | 2.64  | 3.30  | 4.29  | Dominant | Dominant | Dominant |
| Duration Night fall (disability)     | 24.00 | 30.00 | 39.00 | Dominant | Dominant | Dominant |

| UK, Non-acute (home) setting                 |        |           |         | PureWick+pad vs. Pad |           |          |
|----------------------------------------------|--------|-----------|---------|----------------------|-----------|----------|
| Parameter                                    | Value  |           |         | ICUR (£/QALY)        |           |          |
|                                              | Low    | Base case | High    | Low                  | Base case | High     |
| U well                                       | 0.55   | 0.78      | 1.00    | Dominant             | Dominant  | Dominant |
| Disutility PAUTI/UTI                         | 0.06   | 0.09      | 0.12    | Dominant             | Dominant  | Dominant |
| Disutility dermatitis                        | 0.02   | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility moisture lesion                   | 0.02   | 0.03      | 0.04    | Dominant             | Dominant  | Dominant |
| Disutility fall                              | 0.08   | 0.12      | 0.16    | Dominant             | Dominant  | Dominant |
| Cost PureWick (1 piece)                      | 4.56   | 6.51      | 8.46    | Dominant             | Dominant  | Dominant |
| Cost PureWick canister+tubing                | 21.70  | 31.00     | 40.30   | Dominant             | Dominant  | Dominant |
| Cost PureWick suction unit                   | 238.70 | 341.00    | 443.30  | Dominant             | Dominant  | Dominant |
| Cost pad                                     | 0.14   | 0.21      | 0.27    | Dominant             | Dominant  | Dominant |
| N Purewick/day                               | 1.05   | 1.50      | 1.95    | Dominant             | Dominant  | Dominant |
| Freq. change PureWick canister+tubing (days) | 42.00  | 60.00     | 78.00   | Dominant             | Dominant  | Dominant |
| N Pads combined with PureWick/day            | 0.70   | 1.00      | 1.30    | Dominant             | Dominant  | Dominant |
| N Pads/day                                   | 2.80   | 4.00      | 5.20    | 1117787              | Dominant  | Dominant |
| Nursing time PureWick (min)                  | 5.95   | 8.50      | 11.05   | Dominant             | Dominant  | Dominant |
| Nursing time Pad (min)                       | 13.01  | 18.59     | 24.17   | Dominant             | Dominant  | Dominant |
| Daily additional time PureWick (min)         | 0.06   | 0.08      | 0.11    | Dominant             | Dominant  | Dominant |
| Nurse cost per minute                        | 0.32   | 0.45      | 0.59    | Dominant             | Dominant  | Dominant |
| Cost PAUTI/UTI                               | 746.20 | 1066.00   | 1385.80 | Dominant             | Dominant  | Dominant |
| Cost dermatitis                              | 100.95 | 144.22    | 187.49  | Dominant             | Dominant  | Dominant |
| Cost moisture lesion                         | 100.95 | 144.22    | 187.49  | Dominant             | Dominant  | Dominant |

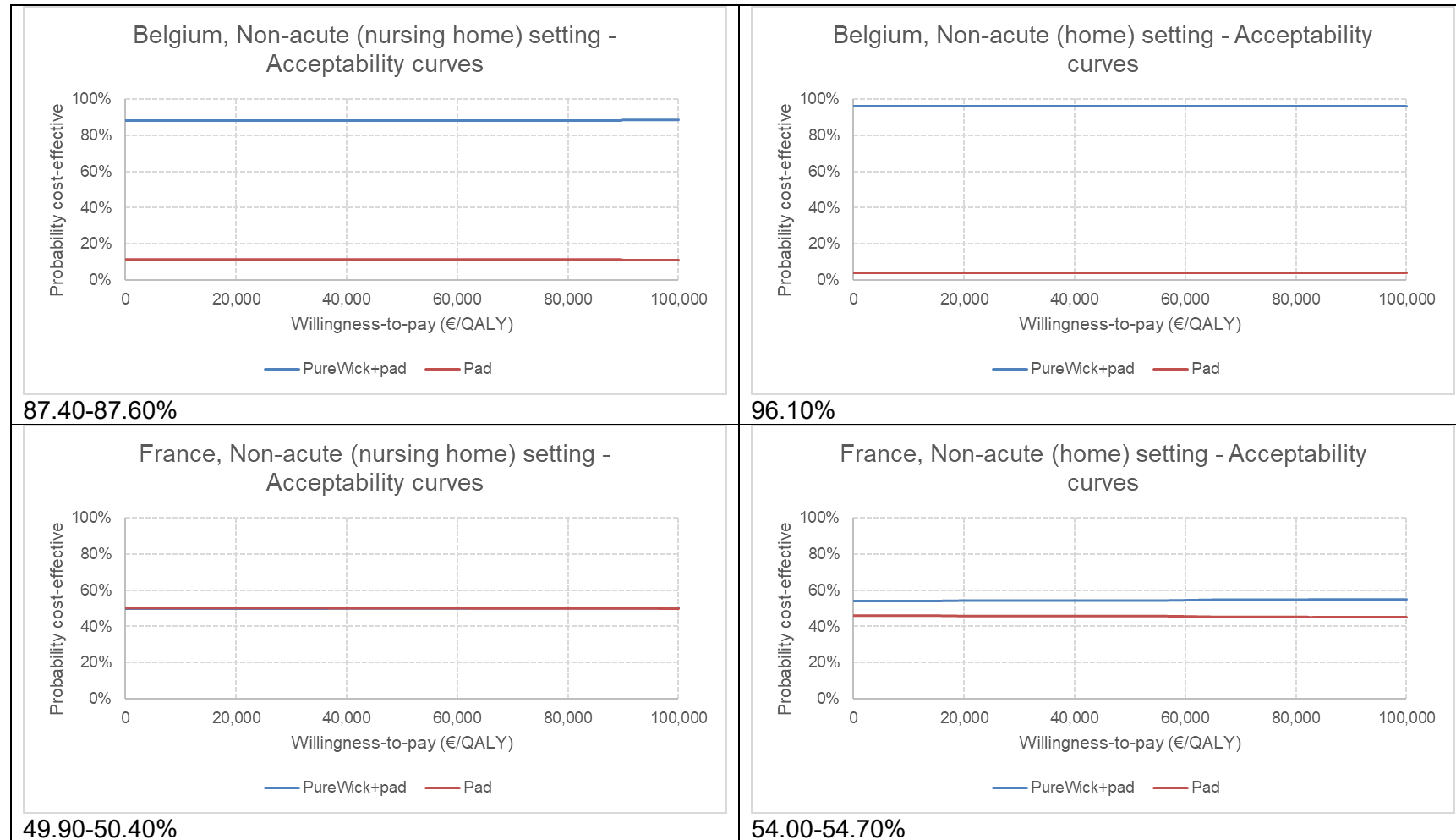
|                                      |         |         |         |          |          |          |
|--------------------------------------|---------|---------|---------|----------|----------|----------|
| Cost night fall                      | 2322.07 | 3317.24 | 4312.41 | Dominant | Dominant | Dominant |
| Purewick Frequency PAUTI             | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Purewick Frequency dermatitis        | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency moisture lesion   | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Purewick Frequency night falls       | 0.00    | 0.00    | 0.00    | Dominant | Dominant | Dominant |
| Pad Frequency UTI                    | 0.29    | 0.41    | 0.53    | Dominant | Dominant | Dominant |
| Pad Frequency dermatitis             | 0.04    | 0.06    | 0.07    | Dominant | Dominant | Dominant |
| Pad Frequency moisture lesion        | 0.17    | 0.24    | 0.31    | Dominant | Dominant | Dominant |
| Pad Frequency night falls            | 0.02    | 0.03    | 0.04    | Dominant | Dominant | Dominant |
| Weight PureWick (Kg)                 | 0.13    | 0.18    | 0.24    | Dominant | Dominant | Dominant |
| Weight PureWick canister+tubing (Kg) | 0.30    | 0.43    | 0.56    | Dominant | Dominant | Dominant |
| Weight Pad (Kg)                      | 0.25    | 0.36    | 0.47    | Dominant | Dominant | Dominant |
| Duration PAUTI/UTI                   | 4.80    | 6.00    | 7.80    | Dominant | Dominant | Dominant |
| Duration Dermatitis                  | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Moisture lesion             | 2.64    | 3.30    | 4.29    | Dominant | Dominant | Dominant |
| Duration Night fall (disability)     | 24.00   | 30.00   | 39.00   | Dominant | Dominant | Dominant |

Supplementary Figure 1 - Breakdown of costs by category, by country and by setting

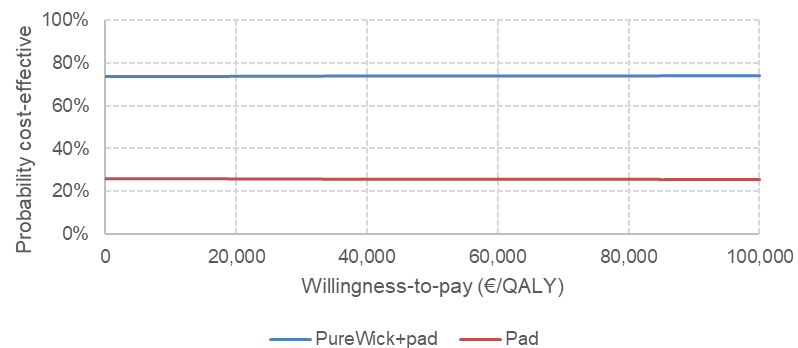




Supplementary Figure 2 - Cost-utility acceptability curves (with indicated range probabilities of cost-effectiveness for PureWick+pad)

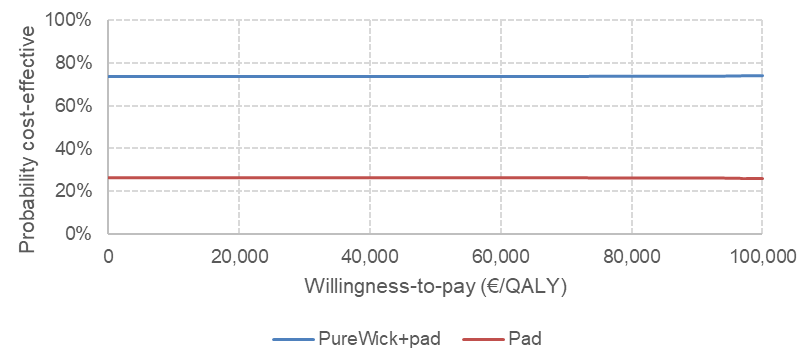


Germany, Non-acute (nursing home) setting - Acceptability curves



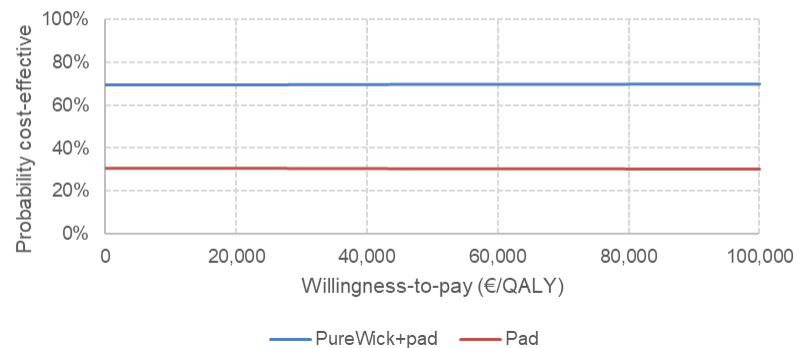
73.80-74.10%

Germany, Non-acute (home) setting - Acceptability curves



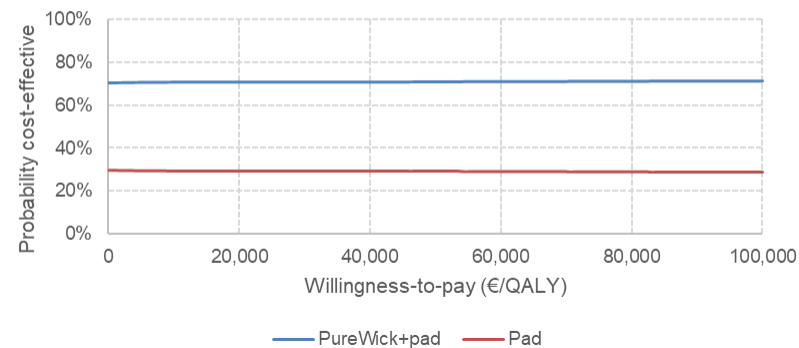
73.60-73.90%

Italy, Non-acute (nursing home) setting - Acceptability curves



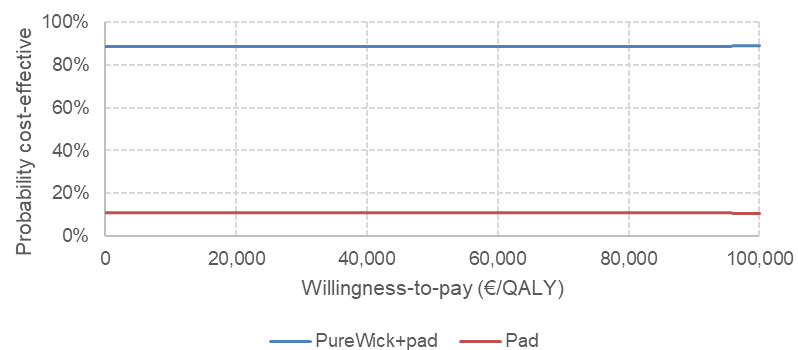
69.20-69.90%

Italy, Non-acute (home) setting - Acceptability curves



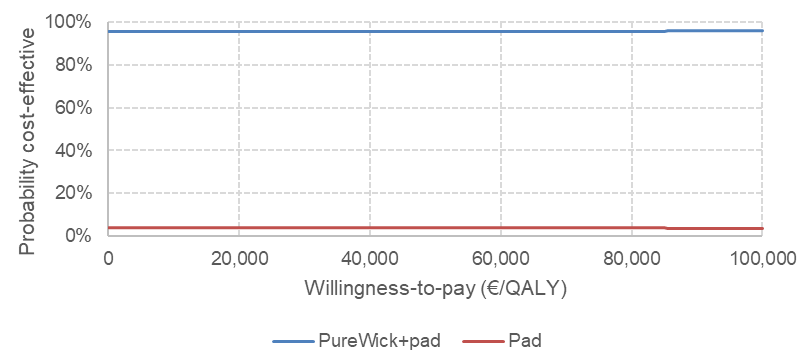
70.60-71.30%

Netherlands, Non-acute (nursing home) setting - Acceptability curves



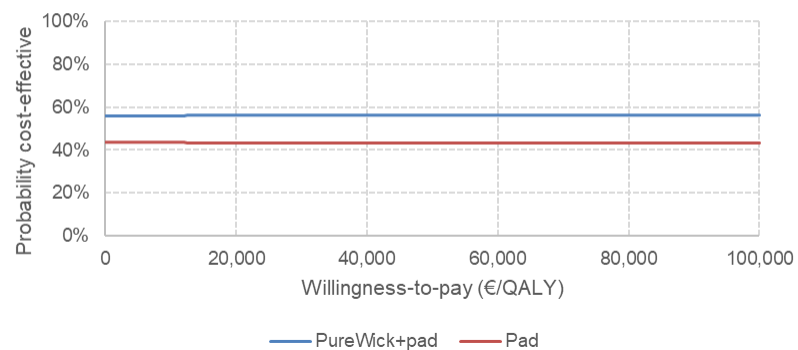
88.70-88.80%

Netherlands, Non-acute (home) setting - Acceptability curves



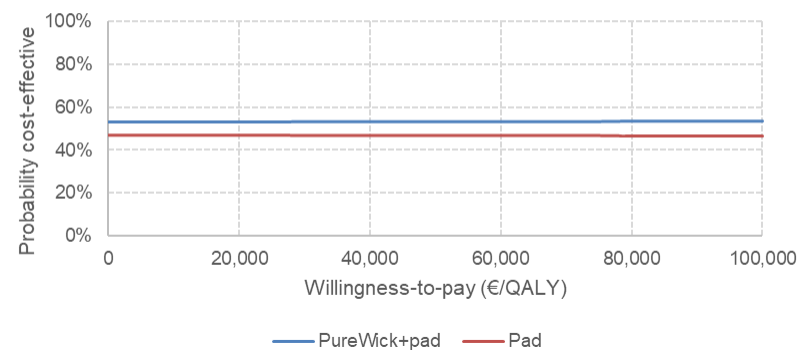
95.80-95.90%

Spain, Non-acute (nursing home) setting - Acceptability curves



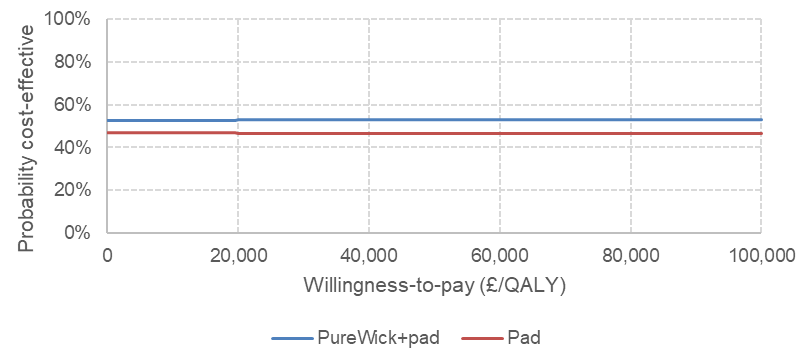
56.10-56.20%

Spain, Non-acute (home) setting - Acceptability curves



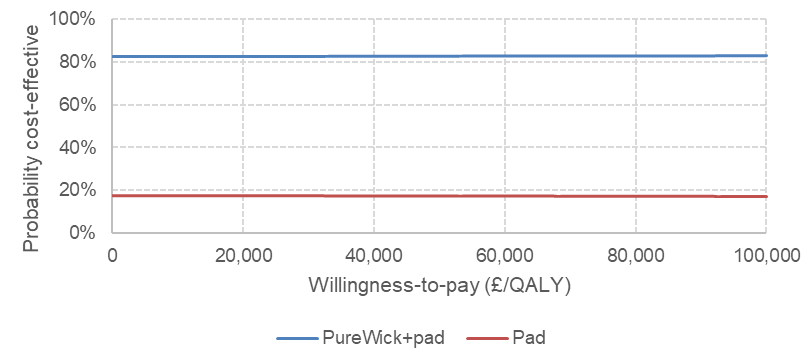
53.00-53.30%

UK, Non-acute (nursing home) setting -  
Acceptability curves



53.10-53.20%

UK, Non-acute (home) setting - Acceptability  
curves



82.30-82.70%