

| Table: Research into tattoos and cancer risk.                                                                                                                                                                                                                                |              |               |                             |                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Study                                                                                                                                                                                                                                                                        | Study design | Population    | Sample size                 | Findings                                                                                                                                                                                                                       |
| <a href="#">McCarty et al. 2024</a>                                                                                                                                                                                                                                          | Case-control | Utah          | 820 cases<br>8200 controls  | B cell NHL, ever receiving a tattoo <b>OR = 2.06</b> (95% CI, 1.01-4.20)<br>B cell NHL, tattoo 10+ years prior <b>OR = 2.64</b> (95% CI, 1.23-5.68)<br>CML OR = 1.24 (95% CI, 0.45-3.43)<br>MDS OR = 1.48 (95% CI, 0.40- 5.41) |
| <a href="#">Clemmensen et al. 2025</a>                                                                                                                                                                                                                                       | Case-control | Denmark       | 316 twins                   | Skin cancer HR = 1.33 (95% CI, 0.46-3.84)<br>Skin cancer, tattoos > than palm of hand <b>HR = 2.37</b> (95% CI, 1.11-5.06)<br>Lymphoma, tattoos > than the palm of hand <b>HR = 2.73</b> (95% CI, 1.33-5.60)                   |
|                                                                                                                                                                                                                                                                              | Cohort       |               | 2367 twins                  | Skin cancer <b>HR = 3.91</b> (95% CI, 1.42-10.8)<br>BCC <b>HR = 2.83</b> (95% CI, 1.30-6.16)                                                                                                                                   |
| <a href="#">Nielsen et al. 2024</a>                                                                                                                                                                                                                                          | Case-control | Sweden        | 1398 cases<br>4193 controls | Lymphoma IRR = 1.21 (95% CI, 0.99-1.48)<br>Diffuse large B-cell lymphoma IRR = 1.30 (95% CI, 0.99-1.71)<br>Follicular lymphoma IRR = 1.29 (95% CI, 0.92-1.82)                                                                  |
| <a href="#">Warner et al. 2020</a>                                                                                                                                                                                                                                           | Case-control | Canada        | 1110 cases<br>1150 controls | NHL OR = 1.04 (95% CI, 0.66–1.62)<br>MM OR = 1.08 (95% CI, 0.66–1.80)                                                                                                                                                          |
| <a href="#">Barton et al. 2020</a>                                                                                                                                                                                                                                           | Case-control | New Hampshire | 156 cases<br>213 controls   | BCC, cosmetic tattoo site vs another site OR = 1.8 (95% CI, 1.0-3.2)                                                                                                                                                           |
| <a href="#">Liljedahl et al. 2025</a>                                                                                                                                                                                                                                        | Case-control | Sweden        | 1600 cases<br>4551 controls | Cutaneous SCC IRR = 0.95 (95% CI, 0.78–1.15)                                                                                                                                                                                   |
| BCC = basal cell carcinoma, CI = confidence interval, CML = chronic myelogenous leukemia, HR = hazard ratio, IRR = incidence rate ratio, MDS = myelodysplastic syndromes, MM = multiple myeloma, NHL = non-Hodgkin lymphoma, OR = odds ratio, SCC = squamous cell carcinoma. |              |               |                             |                                                                                                                                                                                                                                |

Source: Hoption Cann