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| **Single Table Analysis** | | | | | | |
|  |  | Cattle |  |  |  |  |
|  |  | (+) | (-) |  |  |  |
|  | (+) | 5 | 126 | 131 |  |  |
| Breed | (-) | 3 | 61 | 64 |  |  |
|  |  | 8 | 187 | 195 |  |  |

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| **Chi Square and Exact Measures of Association** | | | | | | |
|  | | | | | | |
|  | **Test** | | **Value** | **p-value(1-tail)** | | **p-value(2-tail)** |
|  | | | | | | |
|  | Uncorrected chi square | | 0.08285 | 0.3867 | | 0.7735 |
|  | Yates corrected chi square | | 0.009332 | 0.4615 | | 0.9230 |
|  | Mantel-Haenszel chi square | | 0.08243 | 0.3870 | | 0.7740 |
|  | Fisher exact | |  | 0.5211(P) | | >0.9999999 | |
|  | Mid-P exact | |  | 0.3828(P) | | 0.7655 | |
|  |  | | | | |  |  |
|  |  |  |  |  |  |  |  |
| At least one expected value (row total\*column total/grand total) is < 5 | | | | | |  |  |
| Fisher or Mid-P exact tests are recommended rather than chi square. | | | | | |  |  |
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| **Risk-Based\* Estimates and 95% Confidence Intervals** | | | | | | | |
| (Not valid for Case-Control studies) | | | | | | |  |
|  | | | | | | |  |
|  | **Point Estimates** | |  | **Confidence Limits** | |  |  |
|  | | | | | | |  |
|  | **Type** | | **Value** | **Lower, Upper** | | **Type** |  |
|  | | | | | | |  |
|  | Risk in Exposed | | 3.817% | 1.408, 8.856 | | Taylor series | |
|  | Risk in Unexposed | | 4.688% | 1.082, 13.42 | | Taylor series | |
|  | Overall Risk | | 4.103% | 1.963, 8.015 | | Taylor series | |
|  | Risk Ratio | | 0.8142 | 0.2008, 3.301¹ | | Taylor series | |
|  | Risk Difference | | -0.8707% | -7.001, 5.259° | | Taylor series | |
|  | Prevented fraction in pop.(pfp) | | 12.48% | -599.8, 50 | |  |  |
|  | Prevented fraction in exposed(pfe) | | 18.58% | -230.1, 79.92 | |  |  |
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| **Odds-Based Estimates and Confidence Limits** | | | | | | | | | | | | |
|  | | | | | | | | | | |  | |
|  | **Point Estimates** | | |  | | **Confidence Limits** | | |  | |  | |
|  | | | | | | | | | | |  | |
|  | **Type** | | | **Value** | | **Lower, Upper** | | | **Type** | |  | |
|  | | | | | | | | | | |  | |
|  | CMLE Odds Ratio\* | | | 0.8078 | | 0.1808, 4.223¹ | | | Mid-P Exact | |  | |
|  |  | | |  | | 0.1515, 5.37¹ | | | Fisher Exact | |  | |
|  | Odds Ratio | | | 0.8069 | | 0.1867, 3.487¹ | | | Taylor series | | | |
|  | Prevented fraction in pop(PFpOR) | | | 13.01% | | -5.85, 54.65 | | |  | |  | |
|  | Prevented fraction in exposed(PFeOR) | | | 19.31% | | -248.7, 81.33 | | |  | |  | |
|  |  | | | | | | | |  | |  | |
| \*Conditional maximum likelihood estimate of Odds Ratio | | | | | | | | |  | |  | |
| **Single Table Analysis** | | | | | | | | | | | | |
|  | | |  | | Goat | | |  | |  |  |  |
|  | | |  | | (+) | | | (-) | |  |  |  |
|  | | | (+) | | 5 | | | 265 | | 270 |  |  |
| Breed | | | (-) | | 3 | | | 138 | | 141 |  |  |
|  | | |  | | 8 | | | 403 | | 411 |  |  |

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| **Chi Square and Exact Measures of Association** | | | | | | |
|  | | | | | | |
|  | **Test** | | **Value** | **p-value(1-tail)** | | **p-value(2-tail)** |
|  | | | | | | |
|  | Uncorrected chi square | | 0.03692 | 0.4238 | | 0.8476 |
|  | Yates corrected chi square | | 0.03382 | 0.4270 | | 0.8541 |
|  | Mantel-Haenszel chi square | | 0.03683 | 0.4239 | | 0.8478 |
|  | Fisher exact | |  | 0.5567(P) | | >0.9999999 | |
|  | Mid-P exact | |  | 0.4170(P) | | 0.8340 | |
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|  |  |  |  |  |  |  |  |
| At least one expected value (row total\*column total/grand total) is < 5 | | | | | |  |  |
| Fisher or Mid-P exact tests are recommended rather than chi square. | | | | | |  |  |
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| **Risk-Based\* Estimates and 95% Confidence Intervals** | | | | | | | |
| (Not valid for Case-Control studies) | | | | | | |  |
|  | | | | | | |  |
|  | **Point Estimates** | |  | **Confidence Limits** | |  |  |
|  | | | | | | |  |
|  | **Type** | | **Value** | **Lower, Upper** | | **Type** |  |
|  | | | | | | |  |
|  | Risk in Exposed | | 1.852% | 0.6684, 4.386 | | Taylor series | |
|  | Risk in Unexposed | | 2.128% | 0.4471, 6.347 | | Taylor series | |
|  | Overall Risk | | 1.946% | 0.9213, 3.862 | | Taylor series | |
|  | Risk Ratio | | 0.8704 | 0.2111, 3.589¹ | | Taylor series | |
|  | Risk Difference | | -0.2758% | -3.15, 2.598° | | Taylor series | |
|  | Prevented fraction in pop.(pfp) | | 8.516% | -698.8, 50 | |  |  |
|  | Prevented fraction in exposed(pfe) | | 12.96% | -258.9, 78.89 | |  |  |
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| **Odds-Based Estimates and Confidence Limits** | | | | | | | |
|  | | | | | | |  |
|  | **Point Estimates** | |  | **Confidence Limits** | |  |  |
|  | | | | | | |  |
|  | **Type** | | **Value** | **Lower, Upper** | | **Type** |  |
|  | | | | | | |  |
|  | CMLE Odds Ratio\* | | 0.8682 | 0.1977, 4.469¹ | | Mid-P Exact |  |
|  |  | |  | 0.1661, 5.673¹ | | Fisher Exact |  |
|  | Odds Ratio | | 0.8679 | 0.2044, 3.685¹ | | Taylor series | |
|  | Prevented fraction in pop(PFpOR) | | 8.685% | 0.9153, 52.06 | |  |  |
|  | Prevented fraction in exposed(PFeOR) | | 13.21% | -268.5, 79.56 | |  |  |
|  |  | | | | |  |  |