# Appendix 1. NMVB Health Assessment Questionnaire

**OCCUPATION**

16. Are you currently? **(Please check one)**

🞎 Employed 🞎 Student

🞎Unemployed 🞎 Others

🞎Retired please specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

🞎Disabled

🞎Homemaker

1. What was the last year you were employed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. STARTING WITH YOUR MOST RECENT JOB, AND WORKING BACKWARDS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Job | 2. What kind of business, industry, organization (IS, WAS) that? | 3. What (IS/WAS) your job title? | 4. What  (ARE/WERE) your duties at this job? | 5. Dates of Job |
| A. |  |  |  |  |
| B. |  |  |  |  |
| C. |  |  |  |  |
| D. |  |  |  |  |
| E. |  |  |  |  |

**EXPOSURE**

17. Have you ever regularly worked with, or been exposed to, any of the following for greater than a 6 months time period? **(Please circle one)**

1. Yes
2. No

(IF YES, PLEASE LIST TIME EXPOSED)

Yes/ No TIME PERIOD OF

EXPOSURE IN

MONTHS

1. Asbestos \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Chemical Solvents \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Dyestuffs \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Rubber \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Leather \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Printing \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Hair Dressing Chemicals \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Petroleum/Diesel \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Metal Work \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Painting \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Textiles \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. Mining \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. Dry Cleaning \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. Woodworking/Lumber \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. Other, Please Specify \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Appendix 2. NAICS 2010 sectors and their definitions

|  |  |
| --- | --- |
| **NAICS Sector** | **NAICS Definition** |
| 11 | Agriculture, Forestry, Fishing and Hunting |
| 21 | Mining, Quarrying, and Oil and Gas Extraction |
| 22 | Utilities |
| 23 | Construction |
| 31-33 | Manufacturing |
| 42 | Wholesale Trade |
| 44-45 | Retail Trade |
| 48-49 | Transportation and Warehousing |
| 51 | Information |
| 52 | Finance and Insurance |
| 53 | Real Estate and Rental and Leasing |
| 54 | Professional, Scientific, and Technical Services |
| 55 | Management of Companies and Enterprises |
| 56 | Administrative and Support and Waste Management and Remediation Services |
| 61 | Educational Services |
| 62 | Health Care and Social Assistance |
| 71 | Arts, Entertainment, and Recreation |
| 72 | Accommodation and Food Services |
| 81 | Other Services (except Public Administration) |
| 92 | Public Administration |
| NIOSH 96-97 | Military |

# Appendix 3. SOC 2012 sectors and their definitions

|  |  |
| --- | --- |
| **SOC Sector** | **SOC Definition** |
| 11 | Management Occupations |
| 13 | Business and Financial Operations Occupations |
| 15 | Computer and Mathematical Occupations |
| 17 | Architecture and Engineering Occupations |
| 19 | Life, Physical, and Social Science Occupations |
| 21 | Community and Social Service Occupations |
| 23 | Legal Occupations |
| 25 | Educational Instruction and Library Occupations |
| 27 | Arts, Design, Entertainment, Sports, and Media Occupations |
| 29 | Healthcare Practitioners and Technical Occupations |
| 31 | Healthcare Support Occupations |
| 33 | Protective Service Occupations |
| 35 | Food Preparation and Serving Related Occupations |
| 37 | Building and Grounds Cleaning and Maintenance Occupations |
| 39 | Personal Care and Service Occupations |
| 41 | Sales and Related Occupations |
| 43 | Office and Administrative Support Occupations |
| 45 | Farming, Fishing, and Forestry Occupations |
| 47 | Construction and Extraction Occupations |
| 49 | Installation, Maintenance, and Repair Occupations |
| 51 | Production Occupations |
| 53 | Transportation and Material Moving Occupations |
| 55 | Military Specific Occupations |

# Appendix 4. Complete frequency list of mesothelioma patients’ industries

|  |  |  |
| --- | --- | --- |
| **NAICS Sector** | **NAICS Definition** | **count** |
| 31-33 | Manufacturing | 225 |
| 23 | Construction | 138 |
| 61 | Educational Services | 66 |
| 62 | Health Care and Social Assistance | 65 |
| 54 | Professional, Scientific, and Technical Services | 64 |
| 81 | Other Services (except Public Administration) | 59 |
| 92 | Public Administration | 59 |
| 96-97 | Military | 59 |
| 48-49 | Transportation and Warehousing | 53 |
| 44-45 | Retail Trade | 48 |
| 56 | Administrative and Support and Waste Management and Remediation Services | 28 |
| 72 | Accommodation and Food Services | 28 |
| 22 | Utilities | 27 |
| 52 | Finance and Insurance | 24 |
| 53 | Real Estate and Rental and Leasing | 17 |
| 21 | Mining, Quarrying, and Oil and Gas Extraction | 16 |
| 51 | Information | 14 |
| 71 | Arts, Entertainment, and Recreation | 14 |
| 11 | Agriculture, Forestry, Fishing and Hunting | 11 |
| 42 | Wholesale Trade | 7 |
| 55 | Management of Companies and Enterprises | 1 |

# Appendix 5. Complete Frequency list of mesothelioma patients’ occupations (by SOC)

|  |  |  |
| --- | --- | --- |
| **SOC Sector** | **SOC Definition** | **count** |
| 47 | Construction and Extraction Occupations | 174 |
| 51 | Production Occupations | 145 |
| 11 | Management Occupations | 84 |
| 49 | Installation, Maintenance, and Repair Occupations | 67 |
| 53 | Transportation and Material Moving Occupations | 66 |
| 43 | Office and Administrative Support Occupations | 54 |
| 25 | Educational Instruction and Library Occupations | 47 |
| 41 | Sales and Related Occupations | 41 |
| 17 | Architecture and Engineering Occupations | 39 |
| 29 | Healthcare Practitioners and Technical Occupations | 36 |
| 13 | Business and Financial Operations Occupations | 27 |
| 33 | Protective Service Occupations | 25 |
| 27 | Arts, Design, Entertainment, Sports, and Media Occupations | 22 |
| 19 | Life, Physical, and Social Science Occupations | 17 |
| 35 | Food Preparation and Serving Related Occupations | 17 |
| 39 | Personal Care and Service Occupations | 16 |
| 37 | Building and Grounds Cleaning and Maintenance Occupations | 12 |
| 15 | Computer and Mathematical Occupations | 9 |
| 23 | Legal Occupations | 9 |
| 21 | Community and Social Service Occupations | 8 |
| 31 | Healthcare Support Occupations | 6 |
| 45 | Farming, Fishing, and Forestry Occupations | 3 |

# Appendix 6. Frequent occupations in sub-industries

|  |  |  |
| --- | --- | --- |
| **NAICS Sector** | **NAICS subsector** | **Frequent Occupation (SOC 2-digit sub-sector)** |
| 31-33  Manufacturing | 331 Primary Metal Manufacturing | Production, Construction/Extraction occupations |
| 336 Transportation Equipment Manufacturing | Production, Construction/Extraction occupations |
| 23  Construction | 238 Specialty Trade Contractors | Construction/Extraction occupations |
| 61  Educational Services | 611 Educational Services | Educational Instruction and Library, Management occupations |
| 62  Health Care and Social Assistance | 621 Ambulatory Health Care Services | Healthcare Practitioners and Technical occupations |
| 622 Hospital | Healthcare Practitioners and Technical, Office and Administrative Support, management occupations |
| 54  Professional, Scientific, and Technical Services | 541 Professional, Scientific, and Technical Services | Architecture and Engineering, Business and Financial occupations |
| 96-97  Military | 969 U.S. Navy | Production occupations |
| 92  Public Administration | 922 Justice, Public Order, and Safety Activities | Protective Service Occupations |
| 81  Other Services (except Public Administration) | 811 Retail and Maintenance | Installation, Maintenance, and Repair; Production occupations |
| 48-49  Transportation and Warehousing | 484 Truck Transportation | Transportation and Material Moving Occupations |
| 482 Rail Transportation | Transportation and Material Moving; Installation, Maintenance, and Repair Occupations |
| 488 Support Activities for Transportation | Transportation and Material Moving, Office and Administrative Support Occupations |
| 44-45  Retail Trade | 441 Motor Vehicle and Parts Dealers | Installation, Maintenance, and Repair; Sales and Related occupations |
| 445 Food and Beverage Stores | Sales and Related Occupations |

# Appendix 7. Top Occupations in top 10 industries among 748 patients

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Industries | Occupations | Count | Female | Male |
| Manufacturing | Production occupations | 95 | 12 | 83 |
| Construction and Extraction occupations | 28 | 0 | 28 |
| Architecture and Engineering Occupations | 16 | 0 | 16 |
| Construction | Construction and Extraction Occupations | 119 | 1 | 117 |
| Management Occupations | 8 | 0 | 8 |
| Installation, Maintenance, and Repair Occupations | 5 | 0 | 5 |
| Educational Services | Educational Instruction and Library Occupations | 42 | 22 | 20 |
| Management Occupations | 8 | 3 | 5 |
| Office and Administrative Support Occupations | 3 | 2 | 1 |
| Healthcare and Social Assistance | Healthcare Practitioners and Technical Occupations | 30 | 9 | 21 |
| Office and Administrative Support Occupations | 7 | 7 | 0 |
| Management Occupations | 5 | 2 | 3 |
| Professional, Scientific, and Technical Services | Architecture and Engineering Occupations | 16 | 1 | 15 |
| Business and Financial Operations Occupations | 10 | 1 | 8 |
| Legal Occupations | 8 | 1 | 7 |
| Military | Production Occupations | 3 | 0 | 3 |
| Installation, Maintenance, and Repair Occupations | 1 | 0 | 1 |
| Public Administration | Protective Service Occupations | 20 | 1 | 19 |
| Construction and Extraction Occupations | 5 | 0 | 5 |
| Architecture and Engineering Occupations | 4 | 0 | 4 |
| Other Services (except Public Administration) | Installation, Maintenance, and Repair Occupations | 22 | 1 | 21 |
| Production Occupations | 17 | 7 | 10 |
| Personal Care and Service Occupations | 8 | 6 | 2 |
| Transportation and Warehousing | Transportation and Material Moving Occupations | 34 | 2 | 32 |
| Office and Administrative Support Occupations | 6 | 0 | 6 |
| Construction and Extraction Occupations | 3 | 0 | 3 |
| Retail Trade | Sales and Related Occupations | 22 | 9 | 13 |
| Installation, Maintenance, and Repair Occupations | 6 | 1 | 5 |
| Arts, Design, Entertainment, Sports, and Media Occupations | 3 | 2 | 1 |

# Appendix 8. Mesothelioma patients’ jobs that have been started at least 20 years before diagnosis

|  |  |  |
| --- | --- | --- |
| NAICS Sector | NAICS Subsector | Number |
| 31- 33 Manufacturing |  | 76 |
| 331 Primary Metal Manufacturing | 22 |
| 336 Transportation Equipment Manufacturing | 16 |
| 325 Chemical Manufacturing | 10 |
| 44-45 Retail Trade |  | 21 |
| 441 Motor Vehicle and Parts Dealers | 5 |
| 445 Food and Beverage Stores | 3 |
| 23 Construction |  | 18 |
| 238 specialty trade contractors | 5 |
| 236 Construction of Buildings | 3 |
| 96-97 Military |  | 12 |
| 969 US Navy | 8 |
| 978 US Coast Guard | 3 |
| 22 Utilities |  | 11 |
| 221 Utilities | 9 |
| 21 Mining, Quarrying, and Oil and Gas Extraction |  | 7 |
| 212 Mining (except Oil and Gas) | 3 |
| 213 Support Activities for Mining | 2 |
| 11 Agriculture, Forestry, Fishing and Hunting |  | 5 |
| 111 Crop Production | 2 |
| 48-49 Transportation and Warehousing |  | 4 |
| 482 Rail Transportation | 3 |
| 42 Wholesale Trade |  | 4 |
| 423 Merchant Wholesalers, Durable Goods | 2 |
| SOC Sector | **Most frequent SOC Subsector** | **Number** |
| 51 Production Occupations |  | 35 |
| 51-9 Other Production Occupations | 14 |
| 51-4 Metal Workers and Plastic Workers | 11 |
| 47 Construction and Extraction Occupations |  | 31 |
| 47-2 Construction Trades Workers | 23 |
| 53 Transportation and Material Moving Occupations |  | 16 |
| 53-7 Material Moving Workers | 12 |
| 49 Installation, Maintenance, and Repair Occupations |  | 14 |
| 49-9 Miscellaneous Installation, Maintenance, and Repair Workers | 9 |
| 41 Sales and Related Occupations |  | 12 |
| 41-1 Supervisors of Sales Workers | 5 |
| 41-2 Retail Sales Workers | 4 |
| 11 Management Occupations |  | 11 |
| 11-9 Other Management Occupations | 5 |
| 11-1 Top Executives | 4 |
| 17 Architecture and Engineering Occupations |  | 6 |
| 17-2 Engineers | 4 |
| 43 Office and Administrative Support Occupations |  | 5 |
| 43-9 Other Office and Administrative Support Workers | 3 |
| 13 Business and Financial Operations Occupations |  | 3 |
| 13-1 Business Operations Specialists | 2 |
| 27 Arts, Design, Entertainment, Sports, and Media Occupations |  | 2 |
| 27-1 Art and Design Workers | 2 |

# Appendix 9. Mesothelioma patients’ jobs that have been started at least 40 years before diagnosis

|  |  |  |
| --- | --- | --- |
| NAICS Sector | NAICS Subsector | Number |
| 31-33 Manufacturing |  | 35 |
| 336 Transportation Equipment Manufacturing | 9 |
| 331 Primary Metal Manufacturing | 7 |
| 44-45 Retail Trade |  | 12 |
| 441 Motor Vehicle and Parts Dealers | 3 |
| 445 Food and Beverage Stores | 2 |
| 23 Construction |  | 5 |
| 236 Construction of Buildings | 1 |
| 21 Mining, Quarrying, and Oil and Gas Extraction |  | 5 |
| 212 Mining (except Oil and Gas) | 2 |
| 213 Support Activities for Mining | 2 |
| 22 Utilities |  | 5 |
| 221 Utilities | 4 |
| 96-97 Military |  | 4 |
| 969 US Navy | 2 |
| 11 Agriculture, Forestry, Fishing and Hunting |  | 2 |
| 48-49 Transportation and Warehousing |  | 2 |
| 42 Wholesale Trade |  | 2 |
| SOC Sector | **Most frequent SOC Subsector** | **Number** |
| 51Production Occupations |  | 15 |
| 51-4 Metal Workers and Plastic Workers | 7 |
| 51-9 Other Production Occupations | 6 |
| 47 Construction and Extraction Occupations |  | 12 |
| 47-2 Construction Trades Workers | 11 |
| 53 Transportation and Material Moving Occupations |  | 8 |
| 53-7 Material Moving Workers | 8 |
| 11 Management Occupations |  | 7 |
| 11-9 Other Management Occupations | 4 |
| 11-1 Top Executives | 3 |
| 41 Sales and Related Occupations |  | 7 |
| 41-1 Supervisors of Sales Workers | 4 |
| 49 Installation, Maintenance, and Repair Occupations |  | 5 |
| 49-9 Miscellaneous Installation, Maintenance, and Repair Workers | 3 |
| 17 Architecture and Engineering Occupations |  | 1 |
| 27 Arts, Design, Entertainment, Sports, and Media Occupations |  | 1 |
| 13 Business and Financial Operations Occupations |  | 1 |
| 15 Computer and Mathematical Occupations |  | 1 |

# Appendix 10. Fisher’s test: correlation between industry and exposure

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Asbestos** | **Unknown** | **Other** | **Mining** | **Woodworking** | **Petroleum** | **Rubber** | **Leather** | **Dyestuffs** | **Painting** | **Chemical  Solvents** | **Metal  Work** | **Hair Dressing  Chemicals** | **Printing** |
| **Agriculture, Forestry, Fishing and Hunting** | 0.739 | 0.466 | 0.201 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.302 | 0.471 | 1.000 | 1.000 | 1.000 |
| **Mining, Quarrying, and Oil and Gas Extraction** | 0.594 | 0.571 | 1.000 | **<0.001** | 1.000 | **0.049** | 1.000 | 1.000 | 1.000 | 1.000 | **0.015** | 0.489 | 1.000 | 1.000 |
| **Utilities** | **0.009** | 0.069 | 1.000 | 1.000 | 0.561 | 0.114 | 1.000 | 1.000 | 1.000 | 0.618 | 0.218 | 1.000 | 1.000 | 1.000 |
| **Construction** | **<0.001** | **<0.001** | 0.748 | 1.000 | **0.006** | 1.000 | 0.701 | 0.189 | 0.414 | **0.028** | 0.682 | 0.612 | 1.000 | 1.000 |
| **Manufacturing** | **<0.001** | **<0.001** | 0.092 | 0.298 | 1.000 | 0.787 | 0.323 | 1.000 | 1.000 | 0.826 | **0.000** | **0.006** | 0.496 | **0.001** |
| **Wholesale Trade** | 1.000 | 0.441 | 1.000 | 1.000 | **0.020** | **0.011** | **0.006** | 1.000 | **0.030** | **0.027** | 0.388 | **0.033** | 1.000 | **0.002** |
| **Retail Trade** | 0.406 | 1.000 | 1.000 | 0.212 | **0.038** | 0.257 | 0.149 | 1.000 | 0.164 | 0.200 | 0.747 | 0.250 | 1.000 | 0.730 |
| **Transportation and Warehousing** | 0.275 | 0.619 | 1.000 | 0.241 | 0.660 | 0.097 | 0.186 | **0.038** | 1.000 | 0.698 | 0.117 | 0.131 | 1.000 | 1.000 |
| **Information** | 0.583 | 1.000 | 0.296 | 1.000 | 0.075 | 1.000 | 1.000 | 1.000 | 1.000 | 0.100 | 0.244 | 1.000 | 1.000 | 1.000 |
| **Finance and Insurance** | 0.352 | 0.215 | 1.000 | 1.000 | 0.496 | 1.000 | 1.000 | 1.000 | 1.000 | 0.553 | 1.000 | 1.000 | 1.000 | 0.210 |
| **Real Estate and Rental and Leasing** | 0.551 | 0.527 | 0.260 | 1.000 | 1.000 | 0.260 | 1.000 | 1.000 | 1.000 | 0.382 | 0.193 | 1.000 | 1.000 | 0.131 |
| **Professional, Scientific, and Technical Services** | **0.003** | **0.008** | 0.134 | 0.273 | 0.693 | 0.134 | 1.000 | 1.000 | 1.000 | 0.453 | 1.000 | 1.000 | 1.000 | 1.000 |
| **Management of Companies and Enterprises** | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| **Administrative and Support and Waste Management and Remediation Services** | **0.009** | **0.020** | 0.441 | 1.000 | **0.037** | **0.002** | **0.000** | 0.156 | **0.003** | **0.001** | **0.015** | **0.014** | 1.000 | 0.238 |
| **Educational Services** | **0.015** | 0.099 | 0.643 | 1.000 | 0.713 | 0.643 | 0.613 | 1.000 | 1.000 | 0.268 | 0.789 | 0.502 | 1.000 | 1.000 |
| **Health Care and Social Assistance** | **<0.001** | **<0.001** | 0.146 | 1.000 | 0.246 | 1.000 | 0.613 | 1.000 | 1.000 | 1.000 | 0.165 | 1.000 | 1.000 | 1.000 |
| **Arts, Entertainment, and Recreation** | 1.000 | 0.502 | 1.000 | 1.000 | **0.040** | 0.221 | 1.000 | 1.000 | 1.000 | **0.005** | **0.025** | 1.000 | 1.000 | 0.110 |
| **Accommodation and Food Services** | 0.054 | 0.499 | 0.455 | 1.000 | 0.561 | 0.455 | 1.000 | 1.000 | 1.000 | 1.000 | 0.674 | 1.000 | 1.000 | 0.247 |
| **Other Services (except Public Administration)** | **0.047** | 0.260 | 0.623 | 1.000 | 0.068 | 1.000 | 0.199 | 1.000 | 0.194 | 0.109 | 0.558 | 1.000 | 0.134 | 0.439 |
| **Public Administration** | **0.039** | 0.274 | 1.000 | 1.000 | 0.688 | **0.006** | 0.611 | 0.324 | 0.209 | 0.447 | 0.076 | 0.272 | 1.000 | 1.000 |
| **Military** | **<0.001** | **<0.001** | 1.000 | **0.032** | **0.027** | **0.007** | 0.060 | 0.334 | 1.000 | **0.014** | **0.007** | 0.076 | 1.000 | 1.000 |

# Appendix 11. Top 10 industries and occupations of 464 patients exposed to asbestos

|  |  |
| --- | --- |
| **Industry** | **Number (%)** |
| Manufacturing | 169 (36.42%) |
| Construction | 115 (24.78%) |
| Public Administration | 43 (9.27%) |
| Other Services (except Public Administration) | 42 (9.05%) |
| Transportation and Warehousing | 38 (8.19%) |
| Retail Trade | 29 (6.25%) |
| Professional, Scientific, and Technical Services | 28 (6.03%) |
| Educational Services | 27 (5.82%) |
| Health Care and Social Assistance | 25 (5.39%) |
| Utilities | 24 (5.17%) |
| **Occupation** | **Number (%)** |
| Construction and Extraction | 148 (31.90%) |
| Production | 114 (24.57%) |
| Installation, Maintenance, and Repair | 59 (12.72%) |
| Transportation and Material Moving | 50 (10.78%) |
| Management | 44 (9.48%) |
| Sales and Related Occupations | 22 (4.74%) |
| Office and Administrative Support | 22 (4.74%) |
| Architecture and Engineering | 21 (4.53%) |
| Educational Instruction and Library Occupations | 21 (4.53%) |
| Protective Service | 17 (3.66%) |

# Appendix 12. Chi-Square analysis on demographic variables between selected and unselected groups\*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Selected (n=693)** | | **Unselected (n=751)** | | **Chi-Square** | **P value** |
| **Sex** | **n** | **%** | **n** | **%** |  |  |
| Female | 148 | 21.42% | 235 | 33.62% | 25.31 | <0.0001 |
| Male | 543 | 78.58% | 464 | 66.38% |
| **Race** |  |  |  |  |  |  |
| Asian | 5 | 0.74% | 11 | 1.84% | 11.35 | 0.001 |
| Black | 12 | 1.77% | 26 | 4.36% |
| Other | 8 | 1.18% | 10 | 1.68% |
| White | 653 | 96.31% | 550 | 92.13% |
| **Ethnicity** |  |  |  |  |  |  |
| Hispanic or Latino | 17 | 2.60% | 8 | 1.46% | 1.38 | **0.2396** |
| Non-Spanish Non-Hispanic | 637 | 97.40% | 540 | 98.54% |
| **Age Range** |  |  |  |  |  |  |
| 21-40 | 25 | 3.90% | 38 | 5.91% | 13.70 | 0.0033 |
| 41-60 | 156 | 24.34% | 199 | 30.95% |
| 61-80 | 408 | 63.65% | 373 | 58.01% |
| 81+ | 52 | 8.11% | 33 | 5.13% |
| **Histological Type** |  |  |  |  |  |  |
| Biphasic | 88 | 16.48% | 98 | 17.41% | 0.87 | **0.6478** |
| Epithelial or epithelioid | 409 | 76.59% | 419 | 74.42% |
| Sarcomatoid | 37 | 6.93% | 46 | 8.17% |
| **Anatomic Site** |  |  |  |  |  |  |
| Peritoneum | 44 | 13.06% | 117 | 32.68% | 36.47 | < 0.0001 |
| Pleura | 293 | 86.94% | 241 | 67.32% |

(\* selected group is the one who has available survival information: vital status, survival time.)

# Appendix 13. Kaplan Meier curve analysis

Chart

Description automatically generated

Chart

Description automatically generated

Graphical user interface, diagram

Description automatically generated

Graphical user interface

Description automatically generated with medium confidence

Chart, line chart, histogram

Description automatically generated