# 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 |
| 62Health 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 |
| 44-45Retail 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









