

## Formulating Your Radiation Risk Statements

These pre-computed statements are for single-study protocols with no gender predominance. **They are grammatically and quantitatively valid for *adults* only.**

There are a number of **special cases** for which you will want to use the [Risk Statement Computer](http://www.safety.duke.edu/RadSafety/consents/irbcf_asp/default.asp) at [http://www.safety.duke.edu/RadSafety/consents/irbcf\\_asp/default.asp](http://www.safety.duke.edu/RadSafety/consents/irbcf_asp/default.asp). These special cases include:

- (a) Studies that do not appear in the lists below.
- (b) Protocols that require more than one instance of a particular exam, or require several different types of exams (for example, chest x-ray plus V/Q nuclear scan).
- (c) Protocols in which the subjects have a definite gender predominance (for example, breast or prostate cancer).
- (d) Protocols that involve radiation therapy *in addition* to diagnostic studies.

For these cases, the [Risk Statement Computer](#) can create a customized radiation risk statement that you can "copy/paste" into your consent form.

If you need additional assistance in preparing your radiation risk statement, contact Buddy Furr (email [buddy.furr@med.va.gov](mailto:buddy.furr@med.va.gov) or 286-6952).

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### [Abdomen X-ray](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 3 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Chest X-ray](#)

If you take part in this research, you will have one or more medical x-ray studies. These x-rays involve a small amount of radiation. To give you an idea about how much radiation you will get, we will compare it to the amounts you encounter in your daily life. There is radiation that naturally occurs from space and from rocks in the soil. This natural radiation is greater at higher altitudes. This research gives you about the same amount of radiation as you would get from living in a high altitude city such as Denver for 12 days, or taking 4 airplane flights from New York to Los Angeles. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Cervical Spine](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 6 extra weeks' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Extremity \(hand, foot, etc.\) X-ray](#)

If you take part in this research, you will have one or more medical x-ray studies. These x-rays involve a small amount of radiation. To give you an idea about how much radiation you will get, we will compare it to the amounts you encounter in your daily life. There is radiation that naturally occurs from space and from rocks in the soil. This natural radiation is greater at higher altitudes. This research gives you about the same amount of radiation as you would get from living in a high altitude city such as Denver for 2 days, or taking 1 airplane flights from New York to Los Angeles. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Full Spine Series](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 3 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Hip X-ray](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 3 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Intravenous Pyelogram \(IVP\)](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 7 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Lumbar Spine \(Full Set\)](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 8 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Lumbar Spine \(LAT Only\)](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 6 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Mammogram](#)

If you take part in this research, you will have one or more medical imaging studies which use radiation. The tests you will have include ordinary x-rays. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 10 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Pelvis X-ray](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an

every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 3 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### Rib X-rays

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 8 extra weeks' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### Skull X-ray

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 7 extra weeks' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### Thoracic Spine (LAT only)

If you take part in this research, you will have one or more medical imaging studies which use radiation. The tests you will have include ordinary x-rays. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 3 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### Thoracic Spine (Full set)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 6 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Upper GI Series](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 3 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Bone Scan](#)

If you take part in this research, you will have one or more medical imaging studies which use radiation. The tests you will have include nuclear medicine scans. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a tenth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [DESIDA Biliary Scan \(Gallbladder\)](#)

If you take part in this research, you will have one or more medical imaging studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a fifth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Gallium Scan](#)

If you take part in this research, you will have one or more medical imaging studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about half of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Gastric Emptying \(GI Motility\) Scan](#)

If you take part in this research, you will have one or more imaging studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 8 extra weeks' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [HMPAO Brain / Cerebral Blood Flow Scan](#)

If you take part in this research, you will have one or more medical imaging studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a fifth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Lymphoscintigram \(Melanoma Protocol\)](#)

If you take part in this research, you will have one or more medical imaging studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a tenth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [MIBI Breast Scan](#)

If you take part in this research, you will have one or more medical imaging studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about a quarter of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [MIBI Heart Perfusion, Rest Only](#)

If you take part in this research, you will have one or more medical imaging studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a tenth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [MIBI Heart Perfusion, Stress and Rest](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about a third of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [MUGA Heart Function Scan](#)

If you take part in this research, you will have one or more medical imaging studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a fifth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Thallium Scan](#)

If you take part in this research, you will have one or more medical imaging studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about half of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Ventilation-Perfusion \("V/Q"\) Lung Scan](#)

If you take part in this research, you will have one or more imaging studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 10 extra months' worth of this natural radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Body \(Abdomen/Pelvis\) CT, With or Without Contrast](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a tenth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

**Contrast Risks:** "leakage of the contrast out of the vein under the skin, hives, breathing problems, low blood pressure, nausea, renal failure and even death."

### [Body \(Abdomen/Pelvis\) CT, With AND Without Contrast](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a fifth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

**Contrast Risks:** "leakage of the contrast out of the vein under the skin, hives, breathing problems, low blood pressure, nausea, renal failure and even death."

### [Chest CT, With or Without Contrast](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a fifth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

**Contrast Risks:** "leakage of the contrast out of the vein under the skin, hives, breathing problems, low blood pressure, nausea, renal failure and even death."

### [Chest CT, With AND Without Contrast](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about a quarter of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

**Contrast Risks:** "leakage of the contrast out of the vein under the skin, hives, breathing problems, low blood pressure, nausea, renal failure and even death."

### [Head CT](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is less than a fifth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Right Heart Catheterization \(Swan-Ganz/Pacer/Defibrillator Placement\)](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this

study is less than a fifth of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Cardiac Angioplasty or Stent Placement](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about twice as much as the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Cardiac Catheterization \(Diagnostic\)](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Carotid Artery Stent Placement](#)

If you take part in this research, you will have one or more medical imaging studies which use radiation. The tests you will have include fluoroscopy. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about three-quarters of the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Cardiac Electrophysiology](#)

If you take part in this research, you will have one or more medical x-ray studies, which use radiation. To help you understand the amount of radiation, we will compare it to the limits suggested by the government for the many doctors, nurses and scientists who work with radiation every day. These limits are the amount of radiation that should not cause harm to a person at any time during his or her lifetime. The amount of radiation you will get from this study is about three times as much as the yearly limit for people who work with radiation. The radiation dose we have discussed is what you will receive from this study only and does not include any exposure you may have received or will receive from other tests.

### [Pulmonary Angiography](#)

If you take part in this research, you will have one or more x-ray studies, which use radiation. To give you an idea about how much radiation you will get, we will make a comparison with an every-day situation. Everyone receives a small amount of unavoidable radiation each year. Some of this radiation comes from space and some from naturally-occurring radioactive forms of water and minerals. This research gives your body the equivalent of about 11 extra months' worth of this natural radiation.

### [Total Body Irradiation \(TBI\) for Marrow Ablation](#)

If you take part in this research, you will undergo total body irradiation (TBI) to destroy selected cells in your bone marrow. TBI may lead to hair loss, nausea, vomiting, diarrhea, dehydration, anemia, bleeding and increased susceptibility to disease. These symptoms can be severe and may lead to serious medical complications, including death.

### [Localized Radiation Therapy](#)

If you take part in this research, you will undergo localized radiation therapy. Radiation therapy may lead to hair loss, nausea, vomiting, diarrhea, dehydration, anemia, bleeding and increased susceptibility to disease. These symptoms can be severe and may lead to serious medical complications, including death. Also, there may be changes in the skin or underlying tissues in the area being treated. These changes are rarely serious, but in some cases may require supportive treatment.