There were about 40,000,000 CT procedures done in the US in 2001. CT procedures grew 16% between 2000 and 2001. While some the growth is coming from new CT procedures such as CT angiography, coronary artery angiography, or CT perfusion most of the procedure growth is coming from core CT applications such a head, chest, abdomen, and pelvis CT and film replacement. The most common observation from our customers is that the population is aging, there is more disease, there are better therapies for those conditions, patients are living longer with their conditions, and the result is dramatically more imaging being done to follow these patients. While this has resulted in the increased use of most imaging modalities, it has driven CT use most dramatically. CT applications are also productivity driven. CT productivity increases about 7% a year. This reduces the cost of CT procedures and reduces one barrier to its use. More and more CT is being used as an entrance study. Specific applications include flank pain, abdominal pain, the CT IVP, and rule out pulmonary emboli. More and more CT is seen as the fastest, most cost effective path to a diagnosis. Continuing efforts to reduce CT dose and further improve Radiologist productivity should only increase these trends.