

Implementation of Shared Decision Making Prior to ICD Implantation

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PURPOSE

The Heart and Vascular Hospital identified the need to develop a process to focus on the challenge of promoting compliance with new regulatory requirement of Shared Decision Making.

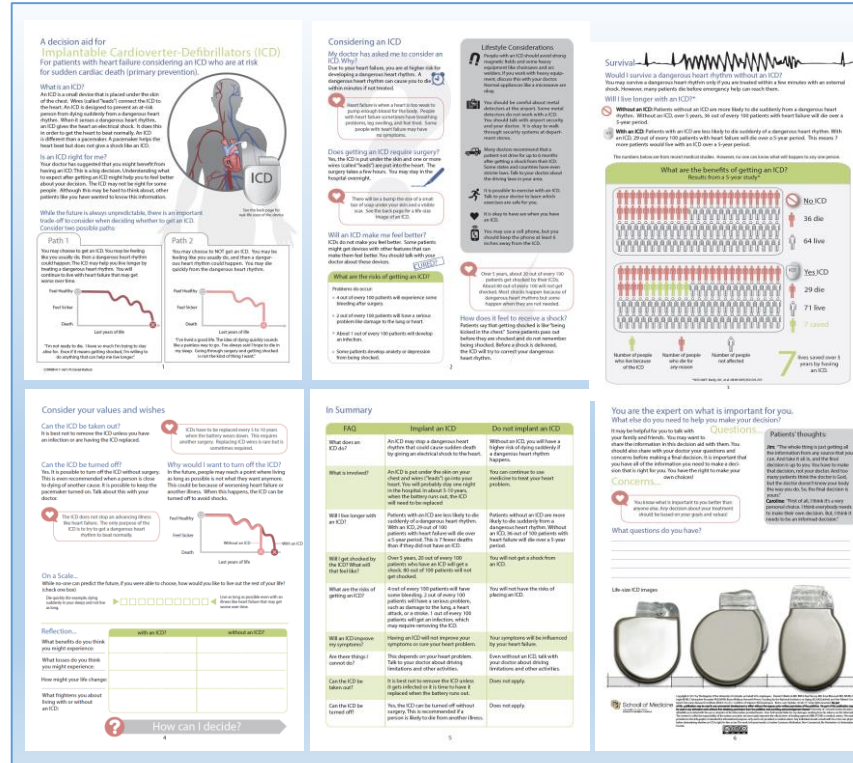
BACKGROUND

Implantable Cardioverter Defibrillators (ICDs) are recommended for patients at high risk for sudden cardiac death. In February 2018, the Center for Medicare and Medicaid (CMS) released a new update for Medicare's National Coverage Determination (NCD) for ICD's. This new update included a regulatory requirement that a Shared Decision Making encounter needs to occur prior to initial implant of ICD.

METHOD

- Challenge identified was to standardize the process with multiple Electrophysiologist providers.
- A team consisting of Nurse Practitioners, Electrophysiologist, and Heart and Vascular Leadership and Compliance was established. This multidisciplinary team reviewed the literature for evidence based decision aid tools that were recommended by CMS, as well as Heart Rhythm Society (HRS).
- Decision aid developed by The Colorado Program for Patient Centered Decisions was selected to be used as an educational tool with our patients.
- Cardiology APN Team was educated on use of tool.
- A standardized documentation template was created.
- Established a process to identify all patients who are undergoing an initial ICD implant for primary prevention by reviewing all outpatient and inpatient population.
- All patients are evaluated for a Shared Decision Making encounter. If evidence of a Shared Decision Making encounter has not been completed, the Cardiology APN will review with patient prior to implant and document encounter in the EMR.

TOOLS



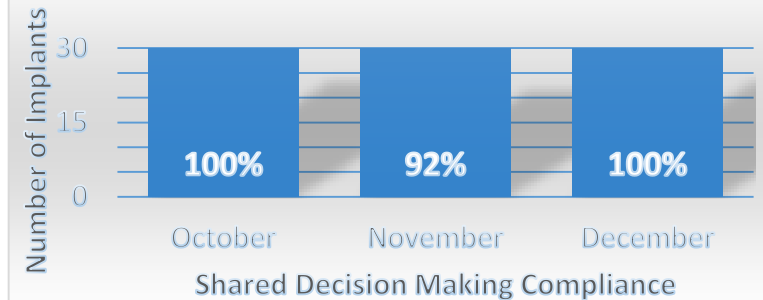
The tool is a comprehensive decision aid for Implantable Cardioverter-Defibrillators (ICDs). It includes sections on:

- A decision aid for Implantable Cardioverter-Defibrillators (ICD):** Explains the purpose of the ICD and the decision-making process.
- Considering an ICD:** Discusses the benefits and risks of ICD implantation.
- What are the benefits of getting an ICD?** Lists potential benefits such as preventing sudden cardiac death.
- What are the risks of getting an ICD?** Lists potential risks such as infection, lead problems, and device malfunction.
- Consider your values and wishes:** Encourages patients to think about their own preferences and quality of life.
- In Summary:** Provides a clear summary of the key points discussed.
- FAQ:** Answers common questions about ICDs.
- Do not implant an ICD:** Provides information for patients who decide against implantation.
- What are the benefits of getting an ICD?** (Detailed): A large section with a timeline showing survival benefits over 5 years.
- What are the risks of getting an ICD?** (Detailed): A large section with a timeline showing potential complications over 5 years.
- Consider your values and wishes:** (Detailed): A section with a timeline for patients to reflect on their values.
- In Summary:** (Detailed): A final summary section.
- FAQ:** (Detailed): A detailed FAQ section.
- Do not implant an ICD:** (Detailed): A detailed section for patients who choose not to have an ICD.

RESULTS

- Our data is extracted from the ICD NCDR database which is crossed referenced with our electrophysiology procedure schedules.
- Monthly audits are obtained to ensure that the proper shared decision making encounter was completed.
- The initiative began in 2018. The average volume ranges from 20-30 ICD implants monthly.

Shared Decision Making 2018



CONCLUSION

- The initiative has been hard wired into The Heart and Vascular Program.
- The process has been established to ensure evaluation of each and every patient undergoing ICD implantation.
- Goal is 100% compliance with Shared Decision Making.

REFERENCE

Decision Memo for Implantable Cardioverter Defibrillators (CAG-00157R4), <https://www.cms.gov/medicare-coverage-database/details/nca-decision-memo>
Colorado program for Patient Centered Decisions, Decision tools for CIEDs, <https://patientdecisionaid.org>
Heart Rhythm Society, <https://www.hrsonline.org/Policy-Payment/HRS-s-Comments-on-ICD-Coverage-Policy>

- Standardized Documentation Template: A shared decision making interaction was held with the patient for the purpose of educating patient prior to ICD insertion. We discussed the benefits as well as the alternatives to undergoing ICD implantation. We discussed the patient's health goals, preferences and values prior to proceeding with ICD insertion. In order to facilitate this discussion, we used an evidence based tool downloaded from:

<https://patientdecisionaid.org>