



Dental Implant Restoration Registry (DIRR): Advancing Knowledge and Improving Implant Therapy

The **Dental Implant Restoration Registry (DIRR)** will enroll patients receiving prostheses on their dental implants. Over 3 years, we will track implant performance, complications, and patient satisfaction to unlock valuable data and propel implant dentistry forward.

Study details:

- **Prospective cohort design:** Following patients for 3 years after prosthesis placement.
- **Data collection:**
 - Practitioners will record clinical exams and upload radiographs at baseline and years 1, 2, and 3 through a web form.
 - Patients will complete short web-based surveys on their general health and oral health quality of life.
- **Sample size: 2,000 implants**
- **Outcomes:**
 - Rate and types of prosthetic and biologic complications.
 - Identify factors associated with successful implant outcomes.
 - Assess patient satisfaction with their implant treatment.

Potential benefits for practitioners and their patients:

- **Gain objective insights** into long-term outcomes of dental implant treatment.
- **Evaluate the success rates and complications** associated with different implant procedures.
- **Contribute to research** that will optimize implant therapy for future patients.

Current study status:

1. 1,298 implants from 754 participants are enrolled from 168 practices
2. Participants totaling 99 implants had their 1-year follow-up visit.



Group Participant: Your role is to actively engage in the discussion, share your insights, and respect others' perspectives. Your active participation and constructive feedback are important.

Group facilitator: Introduce yourself and facilitate a discussion of the study and implications to practice. Promote a space where all practitioners voice their opinion. Call on people directly, particularly if one person is dominating the conversation.

Group recorder: Please record a summary of the group's discussion on the form provided and, in conjunction with the practitioner group leader, be prepared to summarize your group's findings.

Dental Implant Restoration Registry (DIRR): success rates, biologic and prosthetic complications, and patient satisfaction.

1. In your experience, what factors do you consider most crucial for long-term success of dental implants? Any specific patient characteristics or treatment protocols?
2. Do you currently utilize any standardized methods for tracking implant performance over time? If so, what are they and what limitations do they present?
3. The DIRR study has annual follow up visits. What challenges have you faced in keeping patients engaged in studies over multiple years? How have you addressed them?
4. Based on the preliminary data from the DIRR study, what findings do you find most valuable or surprising?
5. How do you think the findings of the DIRR study could potentially contribute to the development of standardized guidelines and best practices for implant therapy in the future?

For digital resources and references, visit www.nationaldentalpbrn.org/meetingresources2024/ by scanning the QR code below.

