

70%

no response across 352 applications

5x

referral vs cold apply response gap

7 days

responses arrive within this or not at all

352

applications, 2 designers, 2026

Motivation

When you apply for a job, you expect to hear back. Most don't.

Most tracking tools give silence the same label as rejection. But silence of 7 days feels different from 48 days, and nothing in your tracker reflects that. Prior work shows people rarely notice what is missing unless the visualization makes it explicit. What happens after you apply has not been studied.

Research Questions

“How can visualization design represent processes where most events are non-responses, and where the passage of time carries as much meaning as any discrete event?

How should visual encodings distinguish between outcomes that are resolved, however unwanted, and outcomes that remain indefinitely open?”

Methodology

Two designers. 352 applications.

Dataset 1: 39 applications for senior UX and product designer roles in the United States, May 10 to June 8, 2026, tracked by channel (referral, cold apply, recruiter outreach), status, and days elapsed.

Dataset 2: 313 applications for design internships in the United States in 2026, cold apply and direct channels only, outcomes categorized as interview, rejected, ghosted, or awaiting.

We built two visualizations to surface what standard tools hide.

Limitations and future work

Two designers, one industry, one year. Not generalizable.

Dataset 1 has only six observed responses. The seven-day cliff cannot be confirmed for Dataset 2 without per-application date data. The emotional valence of silence comes from lived experience, not user research.

Future work: test with larger datasets, run perception studies on the open/closed shape convention, extend to other domains where non-response dominates including medical referral wait times, grant review timelines, and customer support queues.

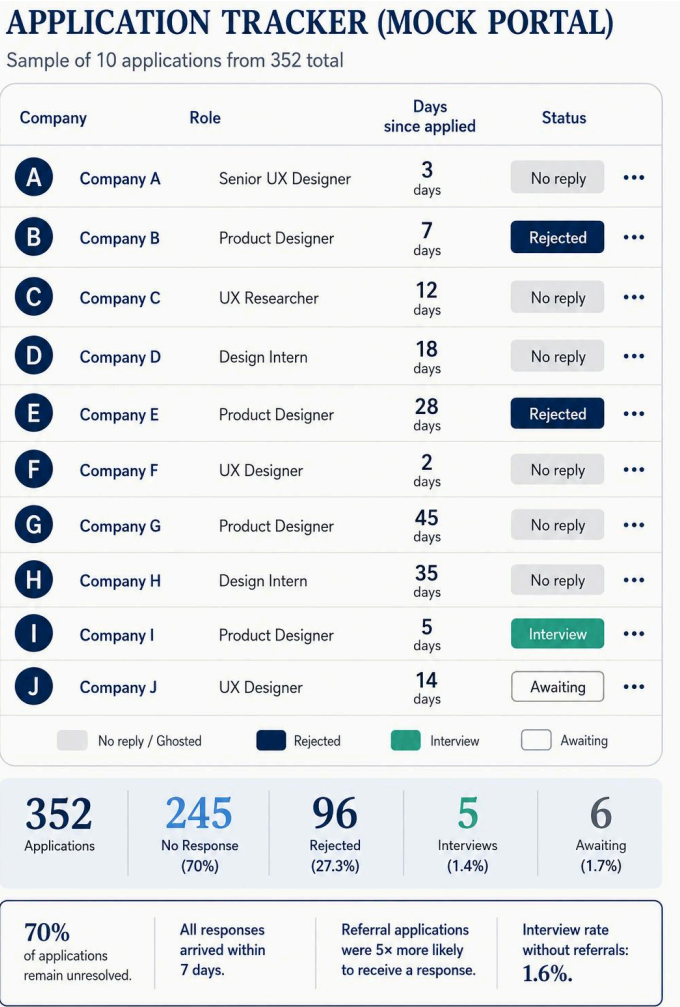


Fig. 1. A sample of 10 applications from the combined dataset of 352, displayed as a standard tracker would show them. Every status looks equally resolved. The 70% sitting in "No reply" is indistinguishable from a rejection.

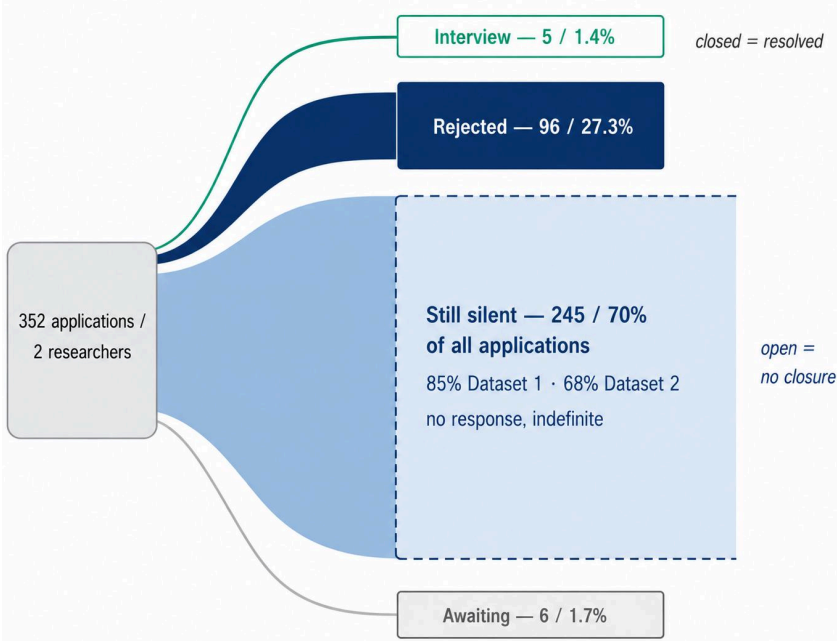
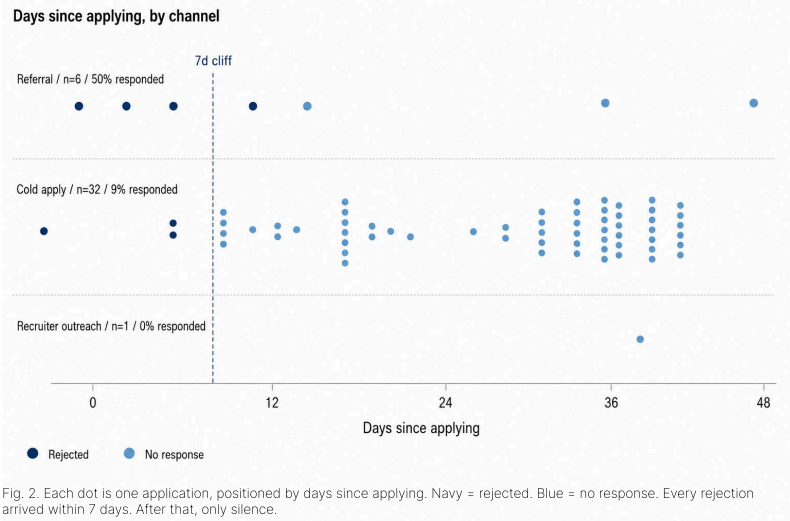


Fig. 3. 352 combined applications, four outcomes. Ribbon width shows volume. Resolved outcomes are closed boxes. The dominant outcome, 245 applications with no response, is drawn open on purpose. It has not resolved. Neither should its box.

Findings

Silence is the dominant outcome in both datasets.

70% of applications (245 of 352) heard nothing back. Both datasets, independently: **85%** in Dataset 1, **68%** in Dataset 2.

Responses arrive within 7 days or not at all. Every single response in Dataset 1 arrived within seven days. No application that passed this mark ever received one. A hard cliff that standard tracking tools do not surface.

Referrals produce a 5x response advantage. Referral applications got a response 50% of the time (3 of 6). Cold applications got one 9% of the time (3 of 32). Dataset 2, with no referrals at all, produced only 5 interviews from 313 applications. That is a 1.6% conversion rate. Open shapes better encode unresolved outcomes.

The flow diagram draws resolved outcomes as fully closed boxes and silence as a dashed box with no closing right edge. A rejection is information you can act on. Silence carries no signal at all.

Conventional diagrams box everything in equally, implying false resolution for the 70% of applications that remain genuinely open.

- Takeaways for Designers
- Make absence visible.** Show the silence, not just outcomes.
 - Set realistic expectations.** Communicate typical timelines and probabilities.
 - Empower strategic actions.** Highlight high-leverage channels like referrals.
 - Support emotional resilience.** Reduce uncertainty-driven stress through transparency.

Implications

If you can see that silence is the norm, you stop taking it personally. If you can see the 7-day cliff, you know when to move on. If you can see the referral gap, you know where to put your energy. Closed versus open shapes offer a simple, generalizable way to show the difference between done and still waiting, with consequences for how confidently and how anxiously people read their own data [2], [3], [5].

References:

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Figure 1 (application tracker mockup) was generated using ChatGPT (OpenAI GPT-4o), June 2026, using author-provided prompts specifying layout, data values, and visual encoding requirements. The figure is based entirely on the authors' original datasets and design decisions. No AI-generated content was used without author direction and verification.