

Expanded Carrier Screening Study

Results and patient feedback

igentify[®]

Expanded Carrier Screen (ECS) Study: Results

Participants: 225 couples

Patient Population: Couples who were undergoing ECS via Thermo Fisher Scientific CarrierScan[®] (1487 variants, 357 genes) using the Igenify Digital Genetic Assistant (DGA)

Comprehension: Assessed by interactive questions, followed by online consent

Details: Results of the DGA were approved or rejected by medical team

Low risk couples: Couples without mutations in the same gene received a personalized video and report

High-risk participants: Carriers of a mutation in the same gene or X-linked conditions participated in face-to-face (F2F) counseling



INTRODUCTION

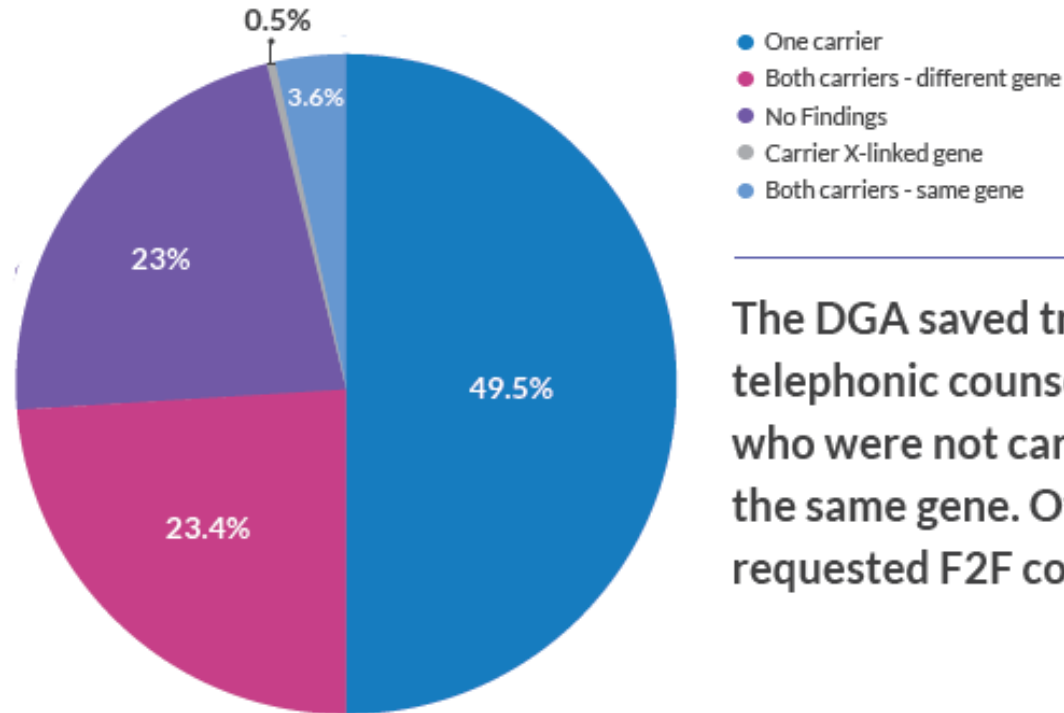
Paucity of genetic counselors led to the development of a streamlined genomic workflow using a Digital Genetic Assistant (DGA) by Igenify. Igenify's product enables digital enrollment, consent, and education for expanded carrier screening (ECS). Triaged low-risk results are returned by personalized videos. Usability of DGA was ascertained for ECS.

AIMS

- Did patients using a digital product for ECS understand enrollment questions, feel that a video explaining the ECS was clear, and understand their results?
- Did the Igenify platform save time for genetic counselors?

RESULTS

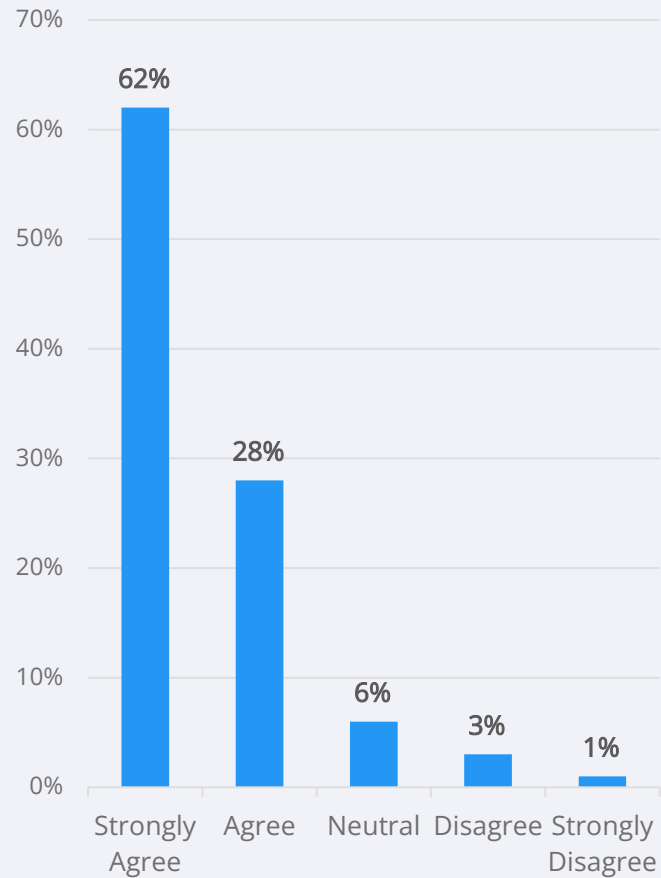
Results from the genetic tests of 225 couples



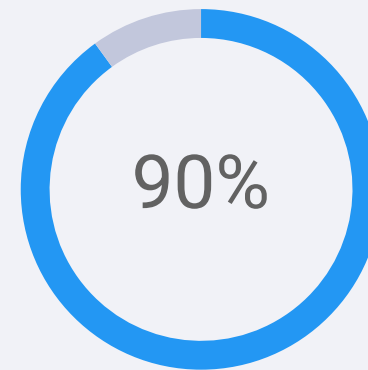
The DGA saved traditional F2F or telephonic counseling in 73% (165) couples who were not carriers of a mutation in the same gene. Of these, only 5.4% (9) requested F2F counseling.

The DGA
saved
73%
of counseling
time

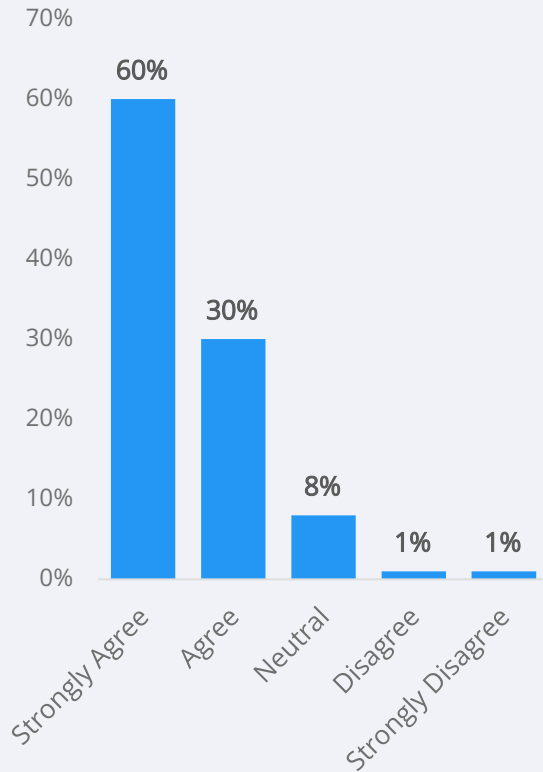
Patient survey responses



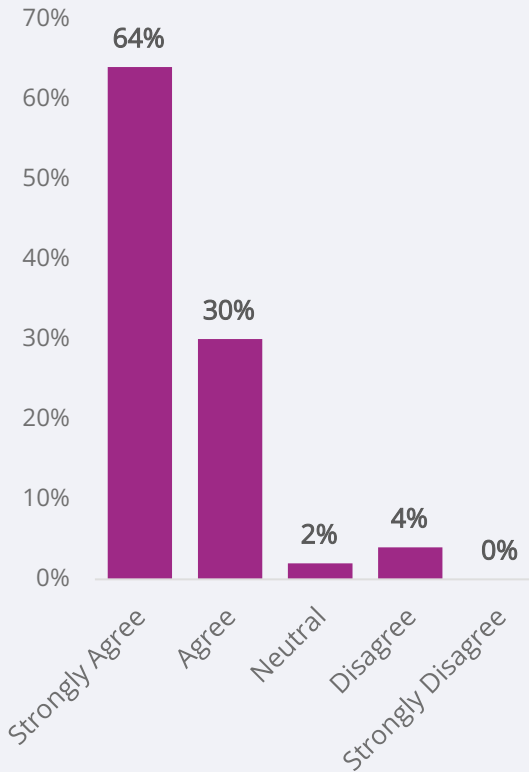
I UNDERSTOOD THE RESULTS AS PRESENTED IN THE VIDEO



90% OF PATIENTS PREFERRED DIGITAL RESULTS



OVERALL, I WAS **SATISFIED** WITH THE DIGITAL GENETIC ASSISTANT PROCESS

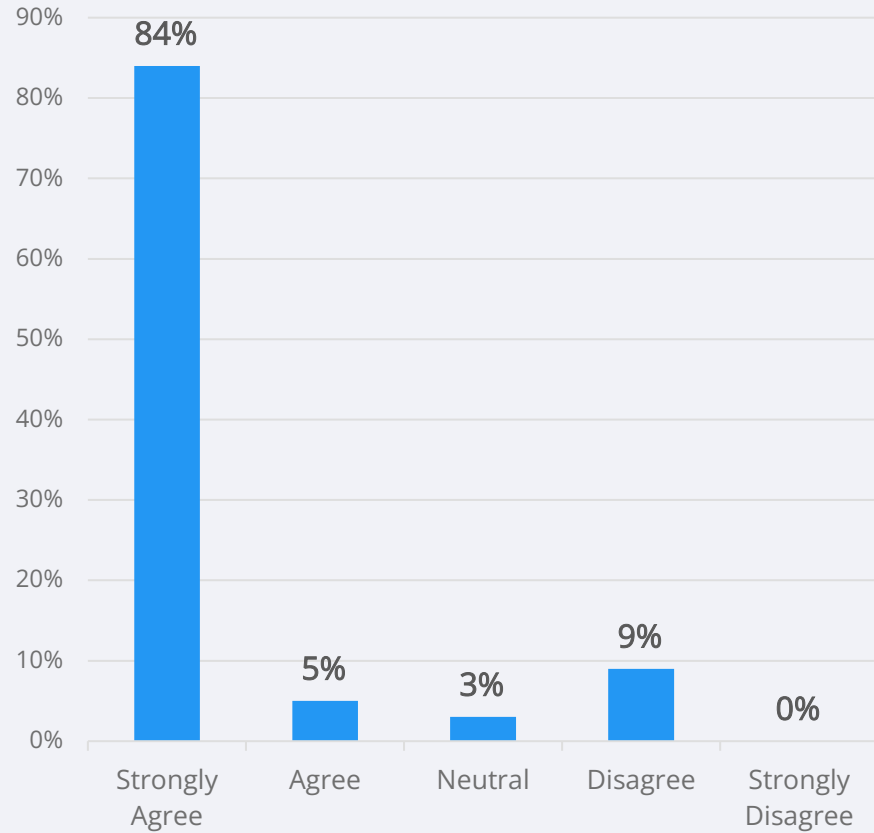


I WAS **COMFORTABLE RECEIVING** MY RESULTS IN **VIDEO** FORMAT

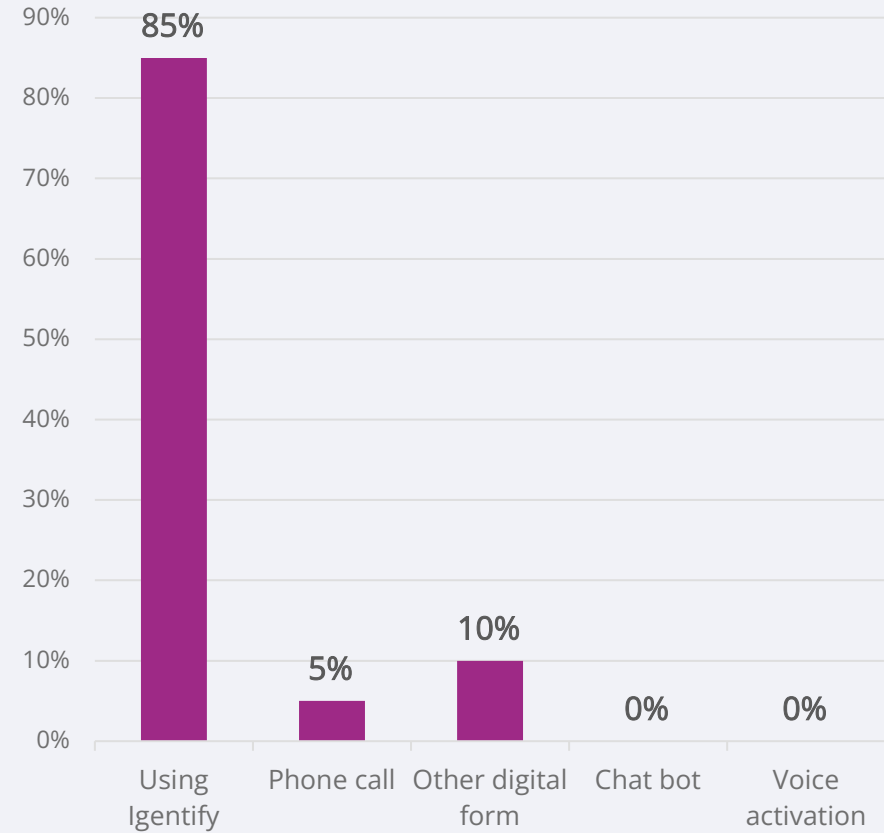
Patient survey responses

>95%

satisfaction rate using Igenify digital return of results and experience



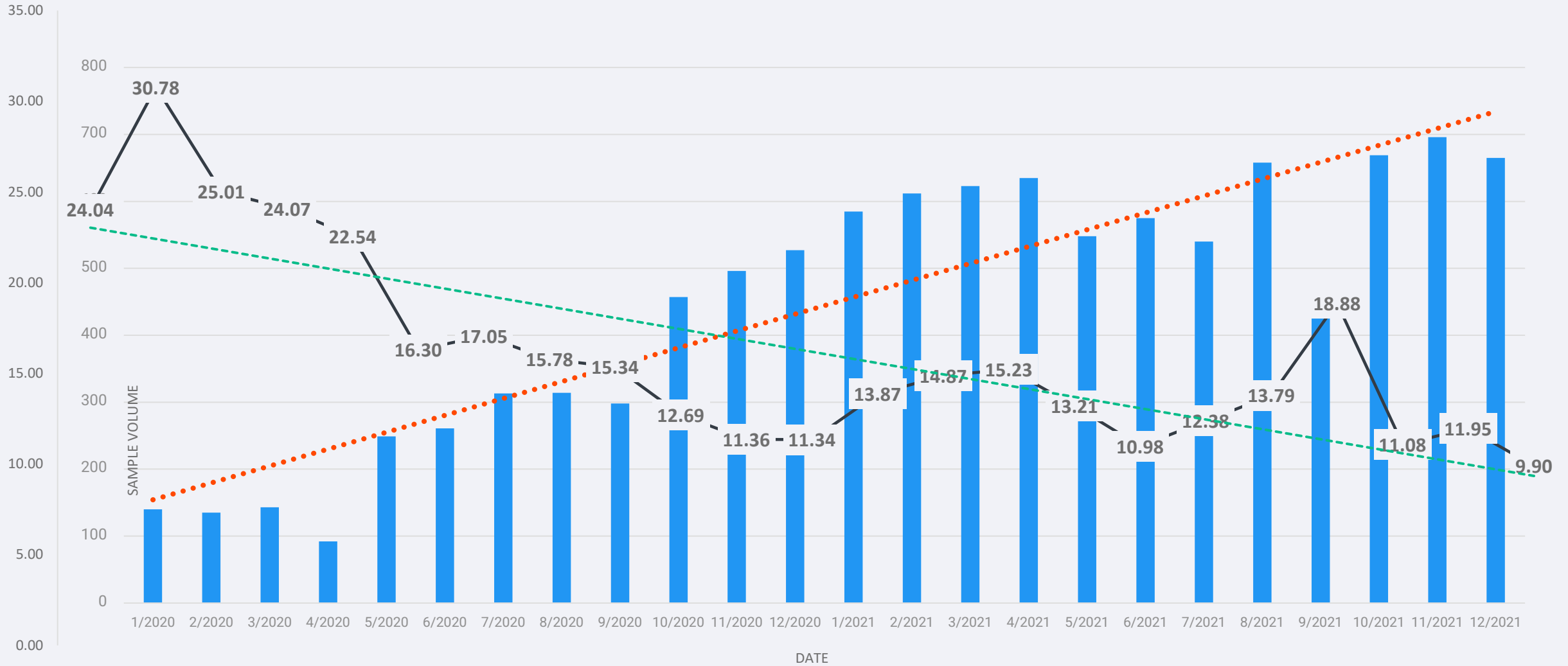
I WOULD **RECOMMEND** THIS SERVICE TO A FRIEND



I PREFER **DIGITAL ENROLLMENT** COMPARED TO OTHER METHODS



Sample Volume vs. Turn Around Time



Genetic Counselor and Patient Feedback

The Igenify system is very easy to operate. It simulates very well the face-to-face genetic counseling process.

The digital process saved a lot of time compared to face-to-face counseling without compromising on quality.

In addition to saving time, I feel that the videos explain better and more clearly than the genetic counselor since the explanation is also visual.”

- *Vered Ofen Glasner, Genetic Counselor, Tel Aviv Sourasky Medical Center*

“I loved how the video was presented in layman’s terms. It was very easy to understand, and the walk-through made this process less stressful.”

“I really liked how the video simplified the test results because just trying to read a report can be overwhelming. The video made it much easier to understand my results”

Saving time while improving patient experience

73% (165 couples) were not carriers of a mutation in the same gene and thus did not require face-to-face genetic counseling.

The 23% of patients that had a negative test result would traditionally only receive their lab report and likely without explanation. With Igentify, these patients received their lab report plus a personalized result video, which improved their care experience.

The net result: 96% of patients did not need face-to-face counseling.

Thank you For more information:

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Email us

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