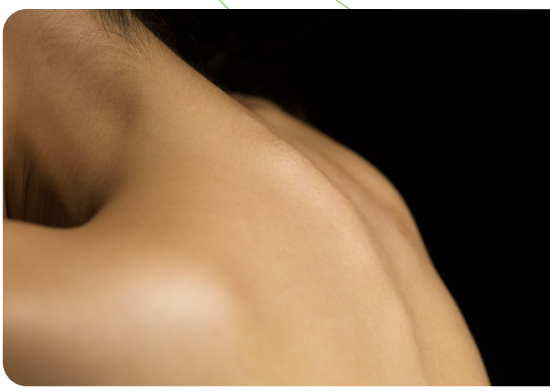
Science 37

THE DERMATOLOGY CLINICAL RESEARCH PLAYBOOK

How to Operationalize Dermatology Clinical Trials with a Virtual Site



In-Depth Dermatology Experience

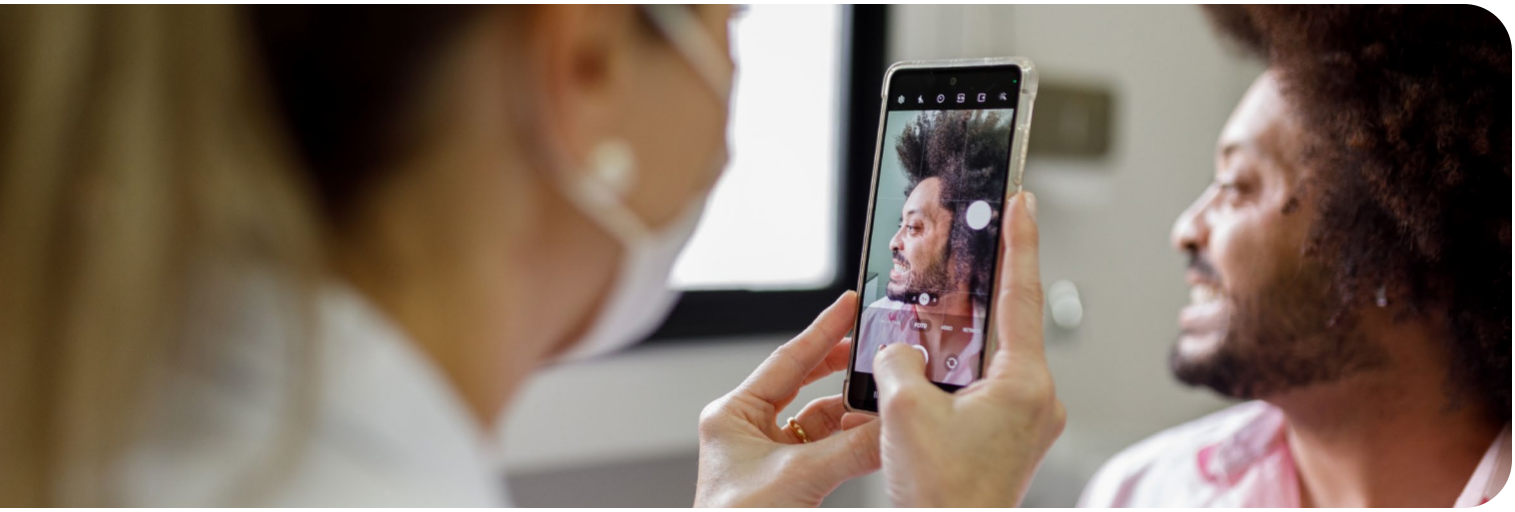
Science 37 offers unparalleled in-house expertise from board-certified dermatologists with extensive experience in conducting both traditional and virtual clinical trials.

- Experienced in executing **multiple studies** across **multiple dermatology indications.**
- Developed **standardized methods** for self- or nurse-collected **photography** that includes rigorous training and methodologies in order to collect high-quality, **standardized photo sets by indication.**
- Unified platform gives patients the convenience of **self-reporting** the progression of their skin condition in real-time via a **single application.**

By improving access, lowering patient burden, and streamlining treatment delivery and administration, the Science 37 Metasite™ reaches new dermatology patients and delivers the recruiting power of **20 sites in one.**

Best Fit Dermatology Indications for the Metasite:

- Acne Vulgaris
- Alopecia
- Atopic Dermatitis
- Herpes Labialis
- Hidradenitis Suppurativa
- Lupus
- Pemphigus Vulgaris
- Psoriasis
- Rosacea



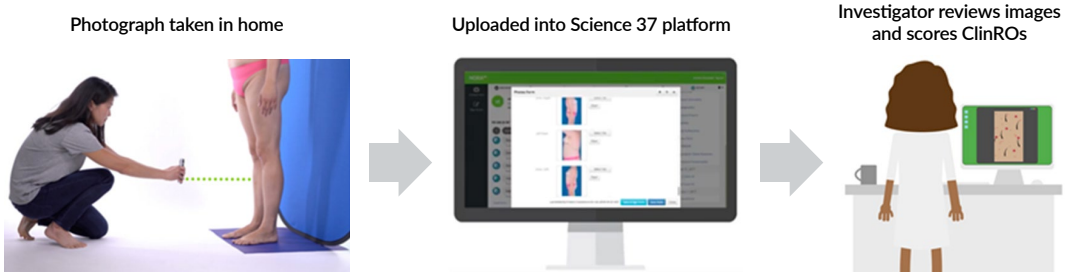
The Science 37 Approach to Operationalizing Dermatology Trials

High-Quality Image Capture

Although the visual nature of many conditions makes dermatology ideal for virtual trials, consistent high-quality images are required to make accurate diagnoses and assess treatment efficacy. Science 37 has designed and executed three comparative method validation studies that demonstrate rating equivalence.[1,2,3]

Science 37 trains mobile nurses to obtain high-quality photographs using DSLR or Smartphone cameras. A network of dermatologists and clinical research coordinators are available remotely to assess image quality and provide real-time oversight to ensure high-quality images that convey detailed visual information necessary for remote investigators.

Photography-based ClinRO Assessment Process



- Standardized images are captured in the patient's home by a trained mobile research nurse or a caregiver and replace evaluations traditionally performed at sites.
- Images are uploaded in real-time to the online Science 37 platform where they are stored securely for the investigator to review and perform the required clinical assessments.

Common Dermatologic Conditions

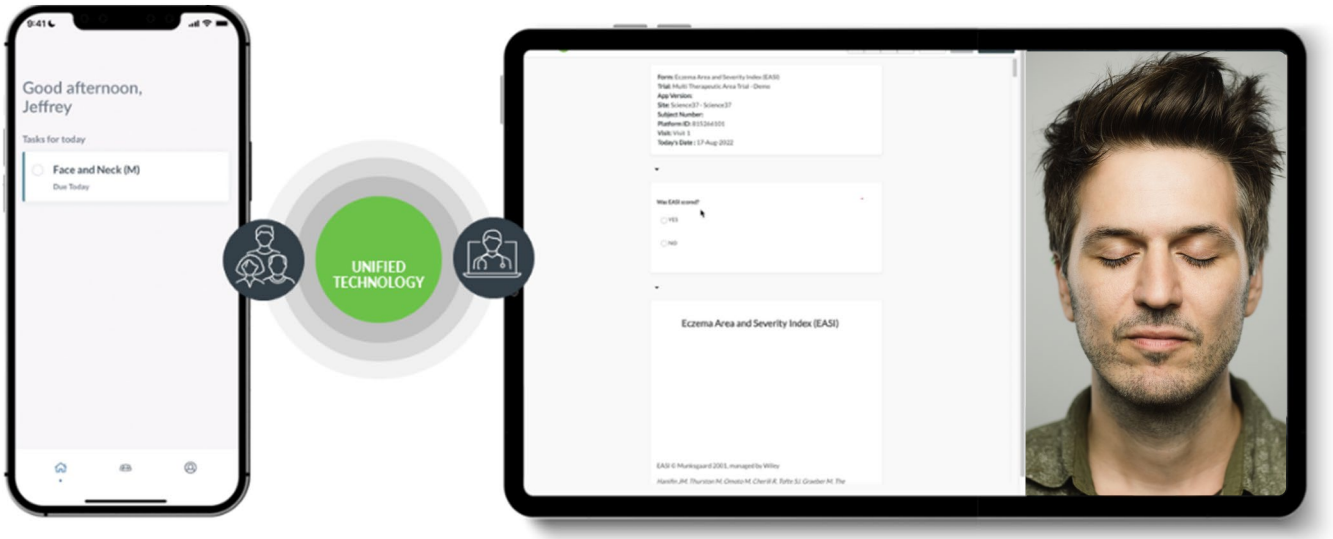
For inflammatory skin diseases, such as acne or psoriasis, crowded with new treatments, it is challenging to identify and support patients who have not previously participated in a clinical trial or used medications that might be exclusionary for a particular study. Science 37 taps into communities that are not typically engaged in clinical studies or the healthcare system in general, helping sponsors onboard never-before-seen patients.

Experience: Faced with recruiting a diverse patient population for a Phase II acne study, a biopharma company worked with Science 37 to deploy the Metasite to identify eligible patients to participate in the study from home. The recruiting approach accelerated enrollment through both digital and community-based provider network outreach. Participants captured digital photographs directly with the Science 37 app, uploading images for investigators to assess in the Science 37 platform. The study enrolled an appropriately diverse group of **372 patients over seven months.**

Proven Process for Photographic ClinRO Assessment

IMAGE CAPTURE
by mobile nurse or self-collected

IMAGE QC
in real-time by CRC and Investigator



Rare Dermatologic Conditions

Rare dermatological conditions often lack high-quality evidence to guide appropriate treatment, in part because patient recruitment poses such a significant challenge. The Science 37 Metasite operates without geographic constraints, enabling sponsors to identify and recruit the right participants for studies involving rare conditions, no matter where they live.

Experience: To bolster recruitment for an ongoing Phase III trial for pemphigus vulgaris, a biopharma company deployed the Science 37 Metasite in parallel with several traditional brick and mortar sites. The intervention for the ultra-rare disease involved an oral drug in combination with intravenous infusion, so the Metasite solution orchestrated mobile nurses, digital ClinRo assessments (by dermatologists using photographs taken from the mobile nurses), and telemedicine visits with investigators. Compared to the independent sites enrolling concurrently, the Science 37 Metasite enrolled patients faster than traditional sites and enabled up to 100% population reach (where regulations permit).

Diversity of Skin Color

Different participants may experience the same dermatologic conditions and treatments differently. To better understand how dermatologic therapies affect different populations, patients with different skin types and ethnic backgrounds should be represented in a clinical trial.

Experience: In one study of patients with atopic dermatitis, Science 37 worked with the sponsor to design a protocol that included real-world collection of health records, PRO data, and self-collected full-body photography to ensure a broadly representative set of patients with diverse skin tones and disease severity. The fully decentralized trial utilized the Science 37 Platform for end-to-end execution, allowed for direct rating of each image within the platform, and captured all metadata required for potential AI development.

The Metasite Leads the Way in Dermatology Research

The Science 37 Metasite offers a patient-centered approach that brings the clinical trial to the patient, allowing patients to be recruited from anywhere and seen in the comfort of their own homes or at a nearby clinic. To reduce patient burden, clinical trial protocols are designed to leverage telemedicine, mobile nursing, direct-to-patient shipping, and direct-from-patient endpoint and biospecimen collection.

The Science 37 Metasite leverages a unified set of people, processes, and technology, to deliver greater consistency and high-quality data. As the pioneer of the virtual site, Science 37 delivers the power of ~20 sites in one, with 2x faster trial start-up times, and in-house medical and operational expertise that enable the end-to-end clinical trial.

The Science 37 Metasite expands access beyond research site confines.

100%
of patients can participate

2x
faster start-up

3x
more diversity

Accessing patients you could never reach before and accelerating start-up times *works for everyone.*

Delivering the Recruiting Power of 20 Sites in One.

LET'S TALK

Get in touch today, to activate the Science 37 Metasite for your dermatology studies.

sales@science37.com / science37.com

[1] Hughes ME, Aralis H, Bruhn KW, Cotliar J, Craft N, DeLuca IJ, Hamidi R, Nguyen K, Patel M, Patel VA, Sofen H, Tan BH, David CV. A reliability study using Network-Oriented Research Assistant to evaluate the use of digital photographs in the assessment of atopic dermatitis. J Am Acad Dermatol. 2021 Sep;85(3):725-726. doi: 10.1016/j.jaad.2019.01.043. Epub 2019 Jan 29. PMID: 30703454.

[2] Jeong D, Aralis H, Bruhn KW, Cotliar J, Craft N, DeLuca IJ, Hamidi R, Nguyen K, Patel VA, Sofen H, Tan BH, David CV. A reliability study using Network Oriented Research Assistant (NORA®) examining the use of digital photographs in the assessment of psoriasis. Br J Dermatol. 2019 Jul;181(1):214-215. doi: 10.1111/bjd.17702. Epub 2019 Mar 19. PMID: 30703265.

[3] Singer HM, Almazan T, Craft N, David CV, Eells S, Erfe C, Lazzaro C, Nguyen K, Preciado K, Tan B, Patel VA. Using Network Oriented Research Assistant (NORA) Technology to Compare Digital Photographic With In-Person Assessment of Acne Vulgaris. JAMA Dermatol. 2018 Feb 1;154(2):188-190. doi: 10.1001/jamadermatol.2017.5141. PMID: 29261843; PMCID: PMC5839277.

Science 37®

About Science 37

Science 37 Holdings, Inc.'s (Nasdaq: SNCE) mission is to accelerate clinical research by enabling universal trial access for patients. Through our Metasite™ we reach an expanded population beyond the traditional site, delivering on our goal of clinical research that works for everyone—with greater patient diversity. Patients gain the flexibility to participate from the comfort of their own homes, at their local community provider, or at a traditional site when needed. Our Metasite is powered by a proprietary technology platform with in-house medical and operational experts that drive uniform study orchestration, enabling greater compliance and high-quality data. To learn more, visit www.science37.com, or email science37@science37.com.

