Table S1: Survey Monkey questions and possible answers. A total of 9 quantitative and qualitative questions were distributed to 7 dermatologists via the platform Survey Monkey.

| Question                                                                 | Possible Answers | Responses |
|--------------------------------------------------------------------------|------------------|-----------|
| 1. How many consults have you completed through www.consultderm.com altogether? | <5                | >100      |
|                                                                          | 5-20             |           |
|                                                                          | 20-50            |           |
|                                                                          | 50-100           |           |
|                                                                          | >100             |           |
| 2. On a scale of 1-5, how would you rate the ease of using the platform? | 1=the least ease | 3.5       |
|                                                                          | 5=the most ease  |           |
| 3. On a scale of 1-5, how satisfied are you with the care you are able to provide to patients? | 1=minimal satisfaction | 3.8       |
|                                                                          | 5=very satisfied |           |
| 4. On a scale from 1-5, how confident are you with your patients’ diagnosis after you have used this platform to consult versus seeing patients in person? | 1=minimal confidence | 3.7       |
|                                                                          | 5=maximum confidence |           |
| 5. Are there any specific health care settings for patients where you find that using this platform is the most useful? | Community Hospital Long-Term Care | Remote or rural locations Patients who live in areas without access to dermatology locally |
| 6. What are the three top conditions you treat through the platform?     | Open-Ended Response | Dermatitis Atypical Nervi Skin Cancer Psoriasis Alopecia Seborrheic keratoses Drug reactions Contact allergies Birth marks |
| 7. What are the top three pieces of information you would deem necessary when receiving a photo to provide a diagnosis on? | Open-Ended Response | High quality photos Location/Distribution History Previous treatments Symptoms |
| 8. What are three barriers you find when trying to provide care through a platform such as this? | Open-Ended Response | Poor quality photos Lack of adequate history or accurate patient identifiers Not being able to palpate the rash or to complete a physical examination Time constraints |
| 9. How could teledermatology be improved? (eg, Patient follow-up, System accessibility) | Open-Ended Response | Easier way to transfer information from the teledermatology platform to an electronic medical record Training primary care to understand what can be achieved with the system, |
- Having an incentive system for the referral physician such as a fee code to take more time for a comprehensive history
- Instructions for good digital photos of the skin lesions
- Improved accuracy of patient demographics and history

**Table S2: Specific diseases encountered on ConsultDerm.** The various diseases were categorized into general conditions as indicated in Table 2.

| Conditions (as indicated in Table 2) | Specific disease |
|-------------------------------------|------------------|
| Dermatitis                          | • Dermatitis     |
|                                     | • Contact dermatitis |
|                                     | • Impetiginized dermatitis |
|                                     | • Nummular dermatitis |
|                                     | • Dyshidrotic dermatitis |
|                                     | • Atopic dermatitis |
|                                     | • Asteatosis dermatitis |
|                                     | • Lichen simplex chronicus |
|                                     | • Atopic eruption of pregnancy |
|                                     | • Pityriasis alba |
|                                     | • Prurigo nodularis |
| Acneiform conditions                | • Acne vulgaris |
|                                     | • Acne keloidalis nuche |
|                                     | • Nodulocystic acne |
|                                     | • Acne conglobata |
|                                     | • Folliculitis |
|                                     | • Pseudofolliculitis |
|                                     | • Lichen spinulosus |
|                                     | • Rosacea |
|                                     | • Hidradenitis suppurativa |
|                                     | • Keratosis pilaris |
|                                     | • Open comedone, benign |
| Benign lesions/neoplasms            | • Seborrhic keratosis |
|                                     | • Nevus |
|                                     | • Cysts |
|                                     | • Pyogenic granuloma |
|                                     | • Lichenoid keratosis |
|                                     | • Angiokeratomas |
|                                     | • Portwine stain |
|                                     | • Angiomas |
|                                     | • Actinic keratosis |
|                                     | • Irritated keratosis |
|                                     | • Callous |
|                                     | • Dermatosis papulosa nigra |
|                                     | • Benign adnexal tumor |
|                                     | • Ectopic sebaceous glands |
|                                     | • Focal skin atrophy |
|                                     | • Keratoacanthoma |
| Category                        | Examples                                                                 |
|--------------------------------|--------------------------------------------------------------------------|
| Eccrine poroma                  |                                                                           |
| Sebaceous adenoma               |                                                                           |
| Sebaceous gland hyperplasia     |                                                                           |
| Acrochordons                    |                                                                           |
| Porokeratoses                   |                                                                           |
| Lentigo/solar lentigo           |                                                                           |
| Congenital pigmented lesion     |                                                                           |
| Infections                      |                                                                           |
| Fungal                          | Tinea capitis, Tinea corporis, Tinea pedis, Tinea versicolor, Tinea incognito, Tinea cruris, Thrush, Kerion, Onychomycosis, Warts (ex. verruca plantaris, verruca vulgaris etc.), Cutaneous horn, Herpes simplex virus (HSV) infection, Shingles, Molluscum contagiosum, Erythema multiforme, Herpetic whitlow, Viral exanthem |
| Viral                           |                                                                           |
| Warts (ex. verruca plantaris, verruca vulgaris etc.), Cutaneous horn, Herpes simplex virus (HSV) infection, Shingles, Molluscum contagiosum, Erythema multiforme, Herpetic whitlow, Viral exanthem |
| Bacterial                       | Furunculosis, Impetigo                                                   |
| Ectoparasites                   | Scabies                                                                  |
| Dyspigmentation                 | Hyperpigmentation, Vitiligo, Melasma, Acanthosis nigricans, Benign idiopathic guttate hypomelanosis, Poikiloderma |
| Vasculopathy/vasculitis/purpura | Vascularopathy, Vasculitis, Benign purpura, Cutaneous vascular dilatation, benign, Ecchymosis, possibly due to underlying vascular lesion, Hemosiderin pigmentation, Venous stasis changes, Livedo reticularis, Vascular dilatation/lesion |
| Other Papulosquamous            | Seborrhoeic dermatitis, Lichenoid dermatitis, Pityriasis rosea, Lichen planus, Lichen striatus |
| Psoriasis                       | Psoriasis                                                                |
| Category                           | Conditions                                                                 |
|------------------------------------|-----------------------------------------------------------------------------|
| Palmoplantar psoriasis              | Palmoplantar psoriasis                                                      |
| Guttate psoriasis                  | Guttate psoriasis                                                          |
| inverse psoriasis                  | inverse psoriasis                                                          |
| Plaque psoriasis                   | Plaque psoriasis                                                           |
| Other inflammatory skin diseases    | Lichen sclerosus                                                           |
|                                    | Miliaria                                                                   |
|                                    | Balanitis                                                                  |
|                                    | Cheilosis                                                                  |
|                                    | Discoid lupus erythematosus                                                |
|                                    | Perniosis/chilblainlike reaction                                           |
|                                    | Polymorphous light eruption                                                |
| Skin cancer                        | Basal cell carcinoma                                                       |
|                                    | Squamous cell carcinoma                                                    |
| Nail disease (non-infectious)       | Dystrophy                                                                  |
|                                    | Nail dermatitis                                                            |
|                                    | Koilonychia                                                                |
|                                    | Leukonychia                                                                |
|                                    | Geometric nail pitting secondary to alopecia areata                         |
|                                    | Beau's lines, benign                                                       |
|                                    | Nail trauma with onychomycosis                                              |
|                                    | Melanonychia striata                                                      |
| Urticaria                          | Urticaria                                                                  |
|                                    | Solar urticaria                                                            |
|                                    | Upper lip swelling                                                         |
| Alopecia                           | Alopecia areata                                                            |
|                                    | Androgenic alopecia                                                        |
|                                    | Scaring alopecia                                                           |
|                                    | Female pattern hair loss                                                   |
| Granulomatous                      | Granulomatous dermatitis                                                   |
|                                    | Granuloma annulare                                                        |
| External Trauma and Scars          | Hemorrhagic scar                                                           |
|                                    | subungual hemorrhage                                                       |
|                                    | Subcorneal hemorrhage                                                      |
| Bullous disease                    | Bullous pemphigoid                                                         |
| Fibromatoses                       | Dermatofibroma                                                             |
|                                    | Early Dupuytren's contracture                                               |
|                                    | Knuckle pads                                                                |
|                                    | Palmoplantar keratoses                                                     |
| Oral conditions                    | Black hairy tongue                                                         |
| Hypersensitivity reaction          | Erythema multiforme                                                        |
|                                    | Arthropod bite reaction/Papular urticaria                                  |
|                                    | Erythema nodosum                                                           |
| Other                              | Plantar xerosis                                                            |
|                                    | Macular amyloidosis                                                        |
|                                    | Uremic pruritus with excoriations                                          |
|                                    | Porphyria cutanea tarda                                                    |
|                                    | Full thickness ulceration                                                   |
|                                    | Nonspecific ulceration/ulceration                                           |