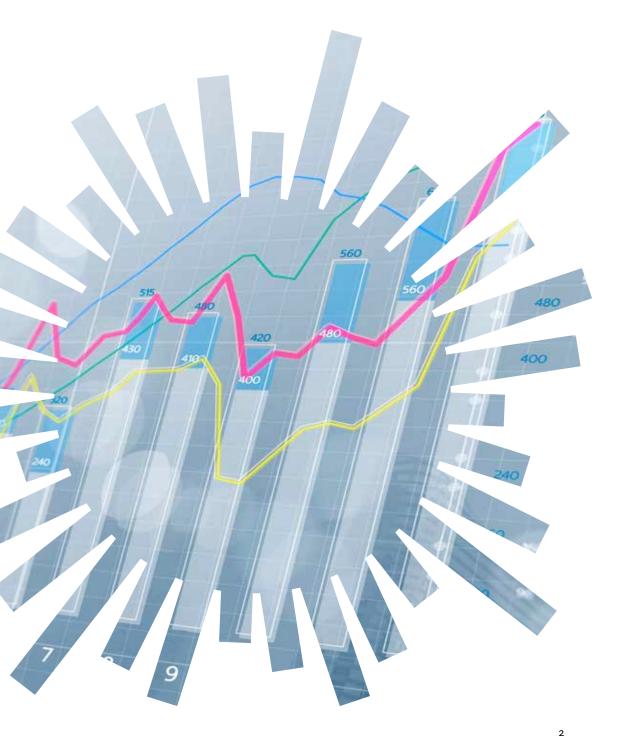


COVID-19: THE IMPACT
ON PEOPLE WITH
NEUROLOGICAL
CONDITIONS AND
FAMILY CARERS

REPORT OF A NATIONWIDE SURVEY CARRIED OUT BY THE NEUROLOGICAL ALLIANCE OF IRELAND







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Summary Findings

LIVING WITH LOCKDOWN

IMPACT OF COVID-19 ON PEOPLE WITH NEUROLOGICAL CONDITIONS & FAMILY CARERS

FINDINGS FROM THE LATEST RESEARCH
CARRIED OUT BY THE NEUROLOGICAL ALLIANCE OF
IRELAND ON OVER 600 PATIENTS AND CARERS
NATIONWIDE SHOW THAT:

ONE FIFTH

of patients did not have sufficient information on what to do if their neurological condition deteriorates at this time

26%

of patients had significant challenges in accessing neurological care, including outpatient appointments, diagnostic tests and ongoing treatments which are delivered in a hospital setting

ONE THIRD of patients reported a significant impact on family life/relationships and on emotional wellbeing. One fifth were significantly impacted financially as a direct result of COVID-19

40%

of patients listed voluntary organisations as the single most important source of information on COVID-19 specific to people with their particular condition

OVER HALF

of family carers reported a significant impact of the lockdown on family life/relationships and emotional wellbeing

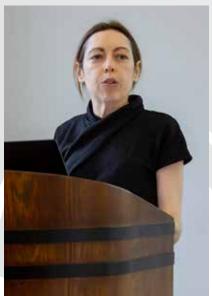
38%

of carers reported a significantly increased burden of care due to being unable to receive help from family members/services ONE FIFTH

of family carers were significantly impacted financially

Forward and Recommendations





Neurological conditions are mostly chronic long term disorders. The potential impact of the 2020 COVID-19 pandemic on those with neurological disease is still being investigated. However what we do understand is the impact on this group of chronic disease patients and their families due to disruptions in healthcare provision People with neurological conditions access a wide range of health and social care supports, often struggling in a normal context to navigate a complex set of supports with huge gaps in service provision, lengthy waiting times for diagnosis and treatment and long waiting times between appointments. The outbreak of COVID-19 and the resulting lockdown led to significant changes in access to healthcare in Ireland with the curtailment of many hospital services, redeployment of staff across the health system to COVID care and prevention. In the community a wide range of crucial services including respite, home care, day services and other supports crucial to those with neurological conditions and their families have also been significantly affected.

This nationwide survey was developed by the Neurological Alliance of Ireland in order to better understand the impact of COVID-19 on individuals living with neurological conditions and those who care for them. We wanted to examine the consequences of the lockdown on access to services and treatments across both hospital and community, access to information and advice on what to do and the impact of COVID-19 in other areas including family life and emotional wellbeing. Most importantly we sought to hear directly from

people with neurological conditions and carers in their own words and these testimonies are shared throughout the report. We would like to thank all those who responded to the survey in such numbers during this most challenging of times.

We are very concerned by the issues highlighted in this report, showing the impact on access to healthcare services and information needs identified by respondents. There is huge pressure on neurological care services, including those provided by voluntary organisations, to cope with the current pandemic and the burden on services that is inevitable when lockdown measures are eased. We are urging politicians and policy makers to take the following steps:

- Voluntary organisations provide the community infrastructure for neurological care in Ireland, the service simply cannot be sustained if these charities are forced to curtail services or close altogether. There is an urgent need to secure the sustainability of neurological charities affected by the loss of fundraising income due to COVID-19
- There is a critical need to invest in neurology and neurorehabilitation services: while COVID-19 has exacerbated the challenges experienced by people with neurological conditions, many were already struggling to get the care they needed.

¹ Covid-19: A message from those living with neurological disorders (March 2020) European Federation of Neurological Associations https://www.efna.net/covid-19-a-message-from-those-living-with-neurological-disorders/

Summary Recommendations

NAI continues to liaise with the National Clinical Programmes in Neurology and Neurorehabilitation as well as other areas of the health services in relation to the needs of people with neurological conditions both during and subsequent to the COVID19 outbreak.

SPECIALIST COMMUNITY SERVICES

The majority of neurorehabilitation and other specialist supports for people with neurological conditions are provided by voluntary sector organisations many of which rely on public fundraising. The impact on these services is likely to be significant and action is urgently needed to ensure these services are sustained in the immediate and longer term.

NEUROLOGY SERVICES

Neurology services were already experiencing their highest ever waiting lists and lengthy waiting times pre-COVID. Additional resources will be required to allow services to resume in a post-COVID environment. The Neurology Clinical Programme is currently developing a detailed consensus statement on future changes and requirements for neurology and neuropsychology services going forward, calling for the return of staff deployed during the COVID outbreak, investment in telemedicine and additional resources to address the backlog and increased demand for neurology services post COVID.

NEURODIAGNOSTICS AND THERAPEUTIC INTERVENTIONS

There is a significant backlog for access to diagnostics which will require additional resources post COVID. These include neurophysiological based investigations (EEG, EMG), neuroimaging, epilepsy monitoring and neuropsychological assessments as well as therapeutic interventions.

NEUROREHABILITATION SERVICES

Neurorehabilitation services have been curtailed in both hospital and community settings while the rehabilitation needs of those discharged early from rehabilitation facilities due to the COVID outbreak as well as those with ongoing neurorehabilitation requirements will need to be met. Additional neurological consequences of COVID19 are anticipated. This will place pressure on existing rehabilitation services which were already inadequate to meet demand. Investment is critically needed to implement the National Neurorehabilitation Strategy which has seen no investment to support the current three-year implementation framework.

HOME CARE, RESPITE AND OTHER SUPPORTS

Our survey highlighted the significant additional burden faced by family carers faced with the withdrawal or curtailment of respite, home care and other supports. It is vital that these services are resumed but only with the resources and oversight needed to ensure that they can be provided safely and in conjunction with the wishes and requirements of family members and individuals themselves.

Summary Recommendations

Continued

RESIDENTIAL AND SUPPORTED LIVING FACILITIES

The COVID19 outbreak highlighted the lack of adequate step down and transitional facilities and the reliance on nursing homes to support discharge from hospital settings. The Neurological Alliance and other stakeholders have long called for an end the practice of accommodating younger people with complex care needs in nursing homes and the provision of transitional and longer stay facilities and appropriate home care packages to facilitate choices about care.

COMMUNICATION AND CONSULTATION WITH SERVICE USERS

One of the key findings of this survey is the uncertainty and anxiety experienced by people with neurological condition and family carers in relation to their future health and the availability of services. It is vital that any changes to service provision are developed in consultation and communication with all service users. In addition, there is a need for targeted communication to those with specific neurological conditions. Many of those responding to our survey were unsure of the risk for themselves or for family members of returning to work, using transport etc and their entitlement to raise those concerns with employers for example.

TELEMEDICINE

Neurology services have been at the forefront of developing telemedicine and other e-health intiatives, now more important than ever in a post-COVID environment. Significant investment will be required to make this a realistic choice for both patients and practitioners. NAI is also concerned that telemedicine should be used appropriately and should not replace face to face care when this is needed. Finally, people without access to technology should not be disadvantaged when it comes to their healthcare in a post-COVID environment.

Neurological Alliance of Ireland

The Neurological Alliance of Ireland is the national umbrella body for over thirty not for profit organisations working with people with neurological conditions and their families. It works to promote the development of services and supports for people with neurological conditions in Ireland through advocacy, policy development, awareness and research.

Profile of Respondents

This survey was developed by the Neurological Alliance through consultation with member organisations and clinicians working in neurological services. The survey was hosted by NAI on survey monkey during April 2020. Recruitment took place through patient organisation websites and through social media, inviting responses to the survey.

There were 680 responses in total to the survey. Most of the respondents were people living with a neurological condition with a small proportion of family carers. The majority of respondents were living with family members. The most common neurological conditions among patient respondents to the survey were multiple sclerosis (63%), Epilepsy (13%) and Migraine (9%). The most common conditions among the family carer sample were multiple sclerosis (25%), Huntington's disease (18%) and Parkinson's disease (18%).

Table 1.1 Age of Respondents

	PATIENT RESPONDENTS	FAMILY CARER RESPONDENTS
LESS THAN TWENTY	1%	11%
TWENTY TO FORTY	37%	19%
FORTY TO SIXTY	53%	37%
MORE THAN SIXTY YEARS	9%	33%

Table 1.2 Gender Breakdown of Respondents

	PATIENT RESPONDENTS	FAMILY CARER RESPONDENTS
MALE	17%	
FEMALE	83%	

Table 1.3: Living Circumstances of Respondents

	PATIENT RESPONDENTS	FAMILY CARER RESPONDENTS
LIVING ALONE INDEPENDENTLY	10%	2%
LIVING ALONE WITH HOME CARE SUPPORT	2%	2%
LIVING WITH FLATMATES ETC	4%	86%
LIVING WITH FAMILY MEMBERS	80%	2%
IN A RESIDENTIAL SETTING	4%	6%
IN A NURSING HOME	0%	

Table 1.4: Regional Breakdown

	PATIENT RESPONDENTS	FAMILY CARER RESPONDENTS
LEINSTER	53%	60%
MUNSTER	30%	24%
CONNAUGHT	12%	14%
ULSTER	5%	2%

Table 1.5: Neurological Conditions Among Groups of Respondents

Neurological Condition	Patient Respondents	Neurological Condition	Family Carer Respondents
Acquired Brain Injury	2%	Alzheimers Disease/Dementia	3%
Dystonia	1%	Acquired Brain Injury	6%
Epilepsy	13%	Brain Tumour	1%
Chronic Pain	3%	Epilepsy	11%
Hydrocephalus	1%	Huntingtons Disease	18%
Migraine	9%	Hydrocephalus	2%
Multiple Sclerosis	63%	Motor Neurone Disease	2%
Muscular Dystrophy	2%	Migraine	5%
Parkinson's Disease	3%	Multiple Sclerosis	25%
Stroke	1%	Muscular Dystrophy	1%
Rare Neurological Condition Not Included in List	2%	Parkinson's Disease	18%
		Progressive Supranuclear Palsy	3%
		Stroke	3%
		Rare Neurological Conditions	2%

Access to Information Among People with Neurological Conditions and Family Carers Findings and analysis

PATIENT RESPONDENTS

Table 1.2 Gender Breakdown of Respondents

	HSE WEBSITE	HSE HELPLINE	GP	NEUROLOGY SERVICE	VOL ORG WEBSITE	VOL ORG HEPLINE
GENERAL COVID	78%	2%	3%	5%	11%	1%
CONDITION SPECIFIC	24%	0%	6%	26%	40%	4%

Table 2.2: Self-report on main source of information (family carer respondents)

	HSE WEBSITE	HSE HELPLINE	GP	NEUROLOGY SERVICE	VOL ORG WEBSITE	VOL ORG HEPLINE
GENERAL COVID	72%	6%	7%	4%	9%	2%
CONDITION SPECIFIC	35%	4%	7%	12%	38%	4%

Respondents were questioned on their main source of information in relation to (a) COVID-19 in general, i.e. symptoms, self isolation, etc and (b) condition specific information relating to COVID-19, e.g. potential risk for people with specific neurological conditions, risks associated with immune-suppressant medications etc. While most listed the HSE (Health Services Executive) website as their main source of general information on COVID-19, a high proportion of respondents relied on voluntary organisations as their main source of condition-specific information.

INFORMATION ON VARIOUS ASPECTS OF COVID-19 AND ACCESSING SERVICES DURING LOCKDOWN

While the majority of patient respondents were satisfied that they had sufficient information on various aspects of COVID-19 and accessing services, it is of concern that over a third of respondents felt they did not have sufficient information as it relates to their specific neurological condition, rising to half among family carers. A fifth of patient respondents were unsure how to contact their neurology service at this time, with a fifth unsure what to do if their condition deteriorates. The percentages were slightly higher for family carers. These findings suggest that more needs to be done to reach out to provide advice and reassurance targeted at individual patients and their families. One fifth of family carers had insufficient information on what to do if their home care support was impacted, this points to a clear need for communication on this specific issue.

Table 3.1 Self Report as to sufficient information on various aspects of COVID-19 and accessing services (Patient Responses)

	YES	NO	NOT SURE/ DON'T KNOW	NOT APPLICABLE TO MY SITUATION
GENERAL ADVICE ON COVID, SYMPTOMS, WHAT TO DO	87%	4%	9%	0%
CONDITION-SPECIFIC INFORMATION ON RISKS ETC	46%	35%	18%	1%
HOW TO CONTACT MY NEUROLOGIST AT THIS TIME	61%	22%	14%	3%
PRACTICAL SUPPORT IN COMMUNITY	61%	13%	7%	19%
HOW TO ACCESS HELP IF NEUROLOGICAL CONDITION DETERIORATES AT THIS TIME	64%	21%	14%	1%
HOW TO ACCESS HELP IF HOME CARE IS IMPACTED AT THIS TIME	24%	12%	10%	54%

Table 3.2 Self Report as to sufficient information on various aspects of COVID-19 and accessing services (Family Carer Responses)

	YES	NO	NOT SURE/DON'T KNOW	NOT APPLICABLE TO MY SITUATION
GENERAL ADVICE ON COVID, SYMPTOMS, WHAT TO DO	82%	10%	8%	0%
CONDITION-SPECIFIC INFORMATION ON RISKS ETC	33%	50%	16%	1%
HOW TO CONTACT MY NEUROLOGIST AT THIS TIME	50%	28%	17%	5%
PRACTICAL SUPPORT IN COMMUNITY	62%	14%	9%	15%
HOW TO ACCESS HELP IF NEUROLOGICAL CONDITION DETERIORATES AT THIS TIME	55%	23%	19%	3%
HOW TO ACCESS HELP IF HOME CARE IS IMPACTED AT THIS TIME	22%	21%	15%	42%

Neurological Patient Organisations: Responding to the Challenge of Covid-19



dedicated to ensuring that those people affected by this life-changing injury

never suffer alone.

Neurological charities responded rapidly to the need for condition-specific information among their members, developing comprehensive web-based resources, sourcing international material and posting up to date information and advice as needed.

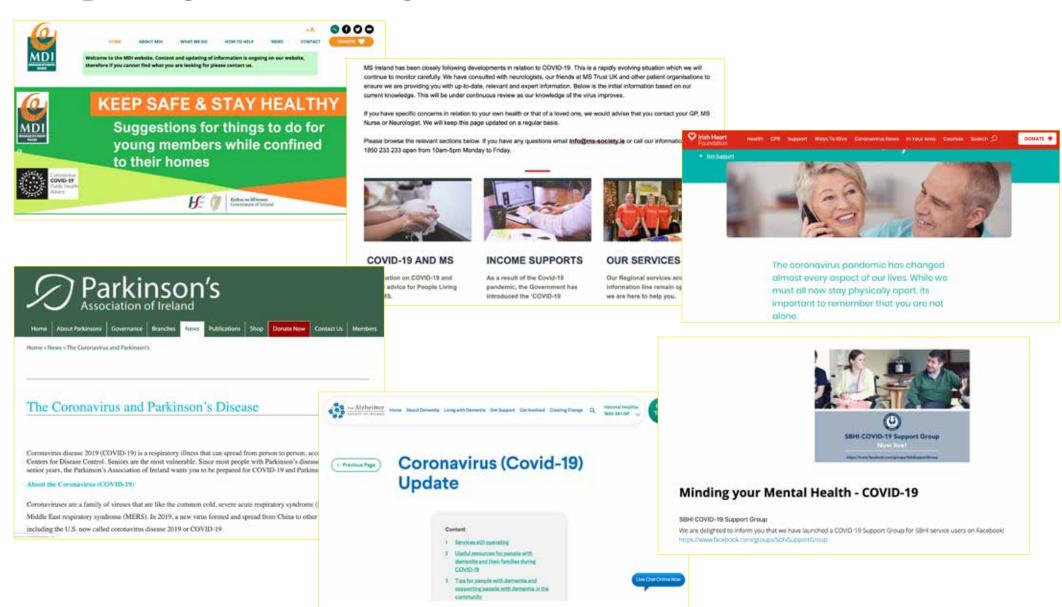
"Our patient organization has provided excellent advice and ongoing phone and online support"

"My MS care worker calls me every day"

"Patient organization doing a fantastic job staying in contact"



Neurological Patient Organisations: Responding to the Challenge of Covid-19



Impact of Covid-19 on Financial Wellbeing, Family Life/Relationships and Emotional Wellbeing

One third of patient respondents reported a significant impact of COVID-19 on family life/relationships and on emotional wellbeing, rising to over half of family carers. When the percentages for both "significant" and "some impact are taken into account, the overwhelming majority of respondents have experienced an impact of COVID-19 on key areas of quality of life.

Table 4.1: Self report on impact of COVID19 on financial wellbeing, family life/relationships and emotional wellbeing (Patient Responses)

	SIGNIFICANT IMPACT	SOME IMPACT	NOT SURE/DON'T KNOW	NO IMPACT
FINANCIAL WELLBEING	19%	38%	6%	37%
FAMILY LIFE/RELATIONSHIPS	31%	48%	4%	17%
EMOTIONAL WELLBEING	32%	58%	2%	8%

Table 4.2: Self report on impact of COVID-19 on financial wellbeing, family life/relationships and emotional wellbeing (Patient Responses)

	SIGNIFICANT IMPACT	SOME IMPACT	NOT SURE/DON'T KNOW	NO IMPACT
FINANCIAL WELLBEING	21%	48%	3%	28%
FAMILY LIFE/RELATIONSHIPS	55%	35%	1%	9%
EMOTIONAL WELLBEING	59%	38%	1%	2%

Accessing Neurological Care Services During Lockdown

Table 5.1: Self-report on access to a range of services and supports during lockdown (Patient Responses)

	EXPERIENCING TO A LARGE EXTENT	EXPERIENCING TO SOME EXTENT	NOT EXPERIENCING	NOT APPLICABLE TO MY SITUATION	NOT SURE/ DON'T KNOW
REDUCTION IN PHN VISITS DUE TO COVID	3%	3%	9%	82%	3%
DELAYS IN ACCESSING COMMUNITY AHPS DUE TO COVID	10%	11%	8%	68%	3%
WITHDRAWAL OF HOME CARE BY PROVIDERS DUE TO COVID	3%	3%	5%	89%	0%
YOU/YOUR FAMILY DECIDING TO WITHDRAW HOME CARE	6%	10%	13%	68%	3%

Table 5.2: Self-report on access to a range of services and supports during lockdown (Family Carer Responses)

	EXPERIENCING TO A LARGE EXTENT	EXPERIENCING TO SOME EXTENT	NOT EXPERIENCING	NOT APPLICABLE TO MY SITUATION	NOT SURE/ DON'T KNOW
REDUCTION IN PHN VISITS DUE TO COVID	9%	12%	7%	66%	6%
DELAYS IN ACCESSING COMMUNITY AHPS DUE TO COVID	24%	17%	6%	46%	7%
WITHDRAWAL OF HOME CARE BY PROVIDERS DUE TO COVID	8%	9%	10%	69%	4%
YOU/YOUR FAMILY DECIDING TO WITHDRAW HOME CARE	11%	23%	14%	51%	1%

Family carers were more likely to experience delays and difficulties in accessing the services listed in the survey, with most patient respondents identifying that the issues raised in this section were not applicable to them. Nearly one fifth of family carer respondents were experiencing delays in accessing allied health professional services such as physiotherapy/ speech and language therapy in the community, rising to over 40% when responses are included for those experiencing this issue "to some extent". Over a third reported significant or some impact of deciding to withdraw home care due to the threat of COVID-19. A smaller percentage were impacted by providers withdrawing care, highlighting that families are themselves making these decisions in view of their concerns about COVID-19.

Over half of families were taking on more of the tasks associated with caregiving themselves.



ACCESS TO SERVICES: RESPONDENT'S COMMENTS

An analysis of patient comments showed that 25% had significant issues in accessing services/treatment for their condition. Most were concerned about the implications for their health and unsure when services would return to normal

Patients reported a range of challenges in accessing services and treatment including:

- Cancellation of outpatient appointments with neurology services
- Cancellation of infusion/injection treatments (mainly affecting patients with MS/Migraine
- Delays in commencing new treatments, changes in medication postponed
- Routine MRI scans postponed, delays in getting results from MRI
- Challenges in getting prescriptions renewed
- Cancellation of physiotherapy and other allied health services

A similar percentage of family carers (26%) reported a significant impact on access to services through their qualitative responses, raising most of the same issues as the patient respondents. An analysis of their comments showed that family carers tended to express more anxiety about the impact on the persons health and concern about when services would become available.

Testing and Covid-19



Both the patient and carer groups were questioned about whether the person with the neurological condition had been tested for COVID-19 and the outcome of testing. The majority had not been tested. This survey took place over three weeks in April 2020, concluding on April 30th. Since that date, rates of testing have significantly increased. It is likely that a repeat of the survey at the present time would reveal higher rates of testing among this group.

PATIENT RESPONSES

Table 6.1: Self report on direct experience of COVID-19 and testing

TESTING FOR COVID19 WHICH TURNED OUT TO BE NEGATIVE	5%
TESTED POSTIVE AND SELF ISOLATING AT HOME	1%
POSITIVE TEST FOR COVID AND TREATMENT IN A HOSPITAL OR OTHER CARE SETTING	0%
NONE OF THE ABOVE	94%

Table 6.2 Self report on direct experience of COVID-19 and testing

TESTING FOR COVID19 WHICH TURNED OUT TO BE NEGATIVE	2%
TESTED POSTIVE AND SELF ISOLATING AT HOME	0%
POSITIVE TEST FOR COVID AND TREATMENT IN A HOSPITAL OR OTHER CARE SETTING	2%
NONE OF THE ABOVE	96%

MOST CHALLENGING ASPECT OF COVID-19

Respondents were asked to comment on the most challenging aspect of COVID-19. Most identified being anxious about contracting the virus, some were concerned that they would be asked to return to the workplace and exposed to greater risk. Family carers were concerned about cocooning the patient while at the same time facing a return to work/school among other members of the family and managing this in the longer term. Many patient and carer respondents were experiencing multiple impacts of the lockdown, with concern about the wellbeing of elderly parents they could not visit as well as their own risk. For the majority of respondents, dealing with social isolation was a significant challenge. This survey took place before measures were announced that those cocooning could leave their homes to take daily exercise, at the time of this survey most reported a negative impact on their physical and psychological wellbeing of confinement to their homes.

This section revealed the extent to which families are struggling with the impact of COVID-19, with the person with a neurological condition also a parent worker or responsible for elderly relatives and now feeling intense concern about fulfilling these other roles while vulnerable because of their own chronic condition. Family carers were having to balance their concern for their family member while also worried about bringing the virus into the home through work/school/family visits into the future.

- Worsening condition due to lack of treatment, stress and anxiety
- Lack of physiotherapy. Increased pain and reliance on pain medication?
- **Just thinking what if something happens, what services would be available **J
- Fear of contracting COVID19 and leaving my family without any support during my isolation/treatment
- Afraid that if I contract COVID-19 I won't be able to go into hospital for my monthly infusion treatment which would leave me at risk of relapse
- Worrying what will happen if I get a seizure
- Needing Carers who also visit other houses
- The worry and concern if we need healthcare at this time?
- Socially isolating means lack of support/respite for me as a carer?
- Lack of support as my family member's condition has deteriorated in tandem with restrictions?
- Trying to fill in all the gaps as we no longer have PA's coming into our home?

Ways in Which People with Neurological Conditions/Family Carers could be Supported at This Time

The most frequently reported recommendation was for more condition-specific information to be made available, including the potential risks for people with specific neurological conditions or on specific medications. The point was frequently made that there is a lot of advice and information on COVID-19 in general but people with neurological conditions do not feel that sufficient detailed information is available to them. Many noted they would like to be contacted by their neurology service, even by e mail or text to advise them on access to services and what to do in an emergency.

- Condition-specific information in an Irish context would be helpful. There is very good information available on how to avoid contracting COVID-19 but I would like to know what to do if I contracted COVID-19
- Safe access to services (bloods/MRIs)
- More up to date information delivered in a timely fashion and advice how to manage immuno-suppression drugs as restrictions get lifted)
- (Clear instructions are needed in relation to treatment medication and possible risks))
- A text from the hospital/neurology service on what to do in an emergency?
- (If I contract (COVID-19) how will being on a DMT affect my recovery)
- (Just the care team to make a call to keep in contact)
- I think the main thing is to ensure specialist nurses remain in place and are not seconded. Its important to ensure they are available to support neurological patients and keep them out of hospital?



List of NAI members

Acquired Brain injury Ireland

Alzheimer Society of Ireland

An Saol

Aphasia Ireland

Ataxia Ireland

Aware

Bloomfield Health Services

Cheshire Ireland

Chronic Pain Ireland

Dystonia Ireland

Enable Ireland

Epilepsy Ireland

Headway

Huntington's Disease Association of Ireland

Irish Heart Foundation

Irish Hospice Foundation

Irish Motor Neurone Disease Association

Migraine Association of Ireland

Move4Parkinsons

Multiple Sclerosis Society of Ireland

Muscular Dystrophy Ireland

National Council for the Blind

Neurofibromatosis Association of Ireland

North West MS Therapy Centre

Parkinson's Association of Ireland

Polio Survivors Ireland

PSPA Ireland

Syringomyelia Support group of Ireland

Spinal Injuries Ireland

Spina Bifida Hydrocephalus Ireland

The Rehab Group

Associate Members

IBrain Tumour Ireland

Syringomyelia Chiara Malformation Support Group



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