





# **Optimal clinical pathway for adults: Movement Disorders National Neurosciences Advisory Group (NNAG)**

Published: February 2023





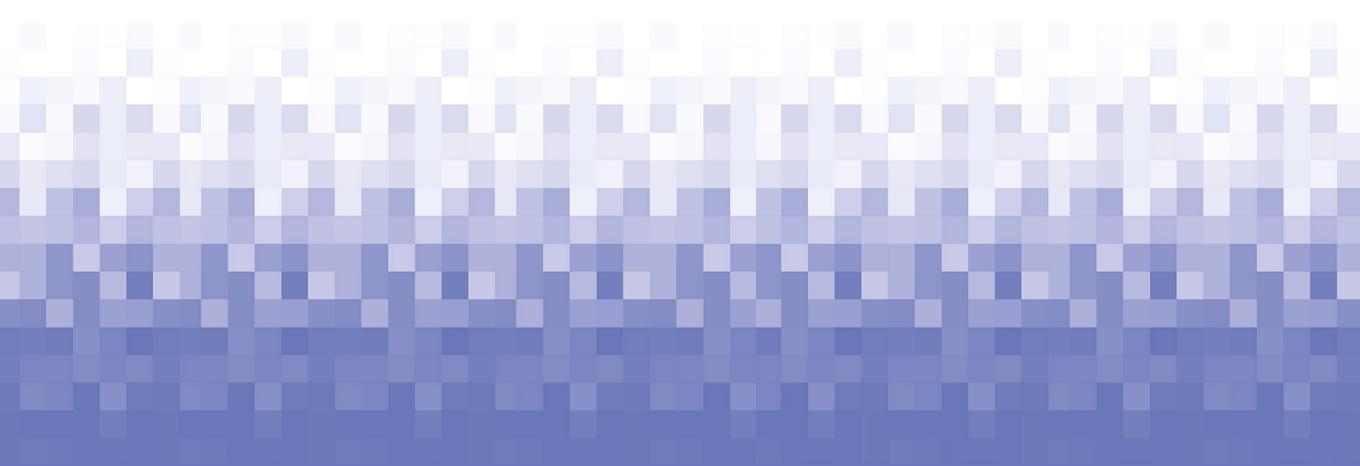




Association of British Ńeurologist

**PARKINSON'S**<sup>UK</sup> CHANGE ATTITUDES. FIND A CURE. JOIN US.









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# **Clinical guidance**

Clinical guidance to be considered alongside the pathway

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# **Overview: About the optimal pathway** (=)

This pathway is part of a suite of optimal neuroscience clinical pathway have been developed by the neurological community, with the support of NHS England and the National Neurosciences Advisory Group (NNAC

The development of this pathway was overseen by NNAG, with input from professional bodies and patient organisations. A 6 week public consulta was held to gather input, views and experience from people affected by neurological conditions and wider stakeholders.

	SUBARACHNOID/INTRACRA	NIAL HAEMMORHAGE	PITU	ITARY TUMOUR	BRAIN TUN	NOURS
	MULTIPLE SCLEROSIS (MS)	EPILEPSY	AUTOIMMUNE	<b>HEADACHE &amp; FACIAL</b>	PAIN NEU	JROMUSCULAR CONDITIONS
EUROSCIENCE	<b>MOVEMENT DISORDERS</b>	MOTOR NEURONE DISEASE	E (MND) FUNCTION	ONAL NEUROLOGICAL DISO	RDER (FND) TR/	AUMATIC BRAIN INJURY (TBI)
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# **FIND OUT MORE**

Optimal clinical pathways and resources (NHS England and NHS Improvement. NHS log in required): www.future.nhs.uk/about

Optimal clinical pathways and resources (NNAG): www.nnag.org.uk/optimum-clinical-pathways

**>>>**Future**NHS** 

**VISIT WEBSITE** 



ys that	The pathways set out what good treatment, care and
t	support looks like. This includes treatment and support
AG).	for people who may be experiencing the first symptoms
	of a neurological condition, right through to people who
from	have lived with a condition for a long time. They set out the
tation	aspirations for good care, support improvement of services
су	and enable commissioning of quality services, locally and
	nationally.

Neurological patient organisation websites & resources (Neurological Alliance): www.neural.org.uk/membership/our-members





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# **Executive summary**

Movement disorders (MD) encompass a wide range of different disorders have the best possible quality of life. PD and all other neurodegenerative such as Parkinson's disease (PD), atypical parkinsonian disorders such as MD conditions are relentlessly progressive. Optimal MD clinical pathways Multiple system atrophy (MSA) or Progressive supranuclear palsy (PSP), therefore need to acknowledge that many MD patients will have changing Huntington's disease (HD), Ataxia, Dystonia and Tourette's syndrome (TS). needs. MD can occur at all ages, and frequently result in complex motor and nonmotor symptoms. Non-motor symptoms are often under-recognized and A fully integrated system wide care pathway, integrated across primary, may have a more severe effect on quality of life than motor symptoms. secondary and tertiary care and the different disciplines will be crucial to

Current care for people with MD is often fragmented and may only address some of their symptoms. Challenges include poor quality or absent explanation of the diagnosis by neurologists or other health care providers without a clear treatment plan after initial appointment, lack of a clear pathway to access such specialist services (e.g. physiotherapy, mental health), lack of availability of specialist services, lack of specialised MD expertise within these treatment services and lack of coordination between mental and physical health services in assessment and treatment.

This pathway requires a significant investment in consultant and therapist time to provide specialist MD services within each regional neuroscience centre and to bolster community services. However, the pathway is The pathway steering group emphasised the fundamental importance of people with MD receiving a timely, correct and well-explained diagnosis. expected to create efficiency savings while improving clinical outcomes The quality of on-going symptom management and specialist MDT care for people with MD by, for example, providing early diagnosis, reducing unnecessary investigations, reducing unnecessary treatments, and ensuring will depend on sufficient staffing (in particular, specialist nurses and that patients are referred in a timely fashion to the most suitable treatment neurologists), access to AHPs (in particular, physiotherapists) with expertise service, depending on their individual needs. Wherever possible, patients in MD, and appropriate support from occupational therapists to ensure that MD patients can maintain their independence for as long as possible and should be empowered and actively involved in treatment decisions.

MD movement disorders, PD Parkinson's Disease AHPs Allied health professionals, MDTs Multi-disciplinary teams,

achieve optimal care addressing each patient's individual needs. Novel ways of working (e.g. remote appointments, digital monitoring, virtual MDTs) should be actively explored and embraced but need to take the individual needs and abilities (e.g. digital literacy) of each patient and their families into account.

Access to research must be a mandatory, integrated part of MD patient care.



**Pathway:** Referral to diagnosis

# **Guiding principle:**

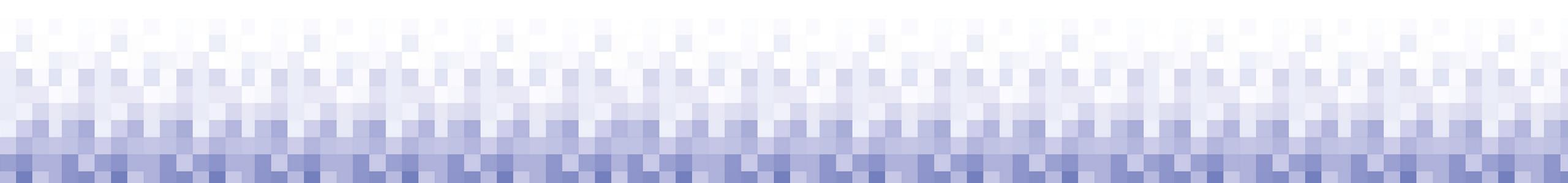
People with movement disorders should have an accurate and timely diagnosis, in order to access appropriate therapies efficiently People with movement disorders should be referred to an appropriate specialist movement disorders service if on-going care required or diagnosis uncertain

## **Barriers**

Number and capacity of specialist neurologists Availability of diagnostic services (MRI, DATscan)

## **Enablers**

Sufficient capacity in specialist movement disorders services across the country, addressing on-going "post-code lottery" issues





# **W** Pathway: Diagnosis to specialist MD service assessment

# **Guiding Principles:**

- All people with movement disorders who require ongoing input from specialist services should have a single point of contact for access
- PD and related disorders: A decision should be reached early as to the most appropriate specialist (eg Care of the Elderly or Neurology), based on individual patient factors such as frailty, co-morbidities and dementia and the respective local service arrangements
- Dystonia: A decision should be reached early as to the most appropriate specialist (e.g. Neurology or Ophthalmology), based on individual patient factors such as the presentation of symptoms
- All patients with neurodegenerative movement disorders should be able to access a specialist nurse
- All people with movement disorders should have a care/management plan agreed through shared decision making
- At each stage of the disease, patients should have access to education and opportunities for self-management with appropriate support, including information about peer/charity support
- All people with neurodegenerative movement disorders should have an annual review by an (ideally named) consultant with expertise in MD [NICE].
- All patients with movement disorders should have access to Neuropsychiatry and Neuropsychology when indicated
- Services should ensure rapid access for assessment of acute changes in a patient's condition (e.g. psychosis)

MD movement disorders, PD Parkinson's Disease TS Tourettes Syndrome

Patients (and, where appropriate, their carers) should be informed of route for rapid access which will vary and depend on local service provision arrangements

Services should be research active and provide access to a broad range of research participation opportunities

### **Barriers**:

- "Postcode Lottery" of available services (i.e. specialist nurses)
- No nation-wide information portal on available services
- Lack of formal integration of community-based services with hospital-based services
- Lack of clear distinction between required local service (such as PD) nurse support) vs regional services (such as habit reversal therapy for TS)
- Postcode lottery for care co-ordination community matron service, and for acceptance of palliative care referrals

### **Enablers**:

- MD services might be delivered by a network of professionals linked virtually, connecting hospital-based and community-based services
- MD services should be supported by an administrator
- Technology might allow patients to be more involved in their care and support care delivery





# **Pathway:** Symptomatic treatment

## **Guiding Principles**

- All patients with MD should be appropriately and rapidly assessed for symptomatic therapy options
- All treatment options need to be considered (motor vs non-motor, pharmacological vs non-pharmacological), including lifestyle and peer support information
- Secure transparent access to additional specialties where required (e.g. Urology, Gastroenterology, Palliative Care, Genetics, Opthamology, Respiratory Specialists, Bladder and Bowel team, Neuropsychology and Neuropsychiatry)
- All patients, from diagnosis on, should be assessed for required psychological support and eligibility from mental health services

### **Barriers:**

- Lack of nurse prescribers
- Lack of staff to support non-pharmacological intervention,

MD movement disorders, OT occupational therapy, PD Parkinson's disease, SLT speech and language therapy,



especially staff with relevant expertise in movement disorders (e.g. physiotherapist with expertise in PD or dystonia)

- Lack of integration/agreed care pathway between Neurology and associated specialties, in particular Mental Health Services
- Lack of access to typically community-based allied health services (e.g. SLT, OT) and resulting poor integration
- Inconsistent expertise of SLT, OT etc with movement disorders
- Lack of access to care co-ordination and community matrons

### **Enablers**

- Treatment can be delivered by a network of specialists linked virtually, operating in the community with access to hospital services where required
- Routine prescribing and monitoring does not need to be by consultant neurologist, but could be by Nurse or Pharmacist with necessary experience and knowledge
- Improved access to allied health services



# **Pathway:** Specialist components of care

- "Specialist services" are those which require technology and expertise only available in regional neuroscience centres
- Examples include: Deep brain stimulation (DBS), Duodopa, Botolinum toxin (Botox)

### **Barriers**

Commissioning barriers to local access to treatments Lack of knowledge about indication and availability of services Lack of specialised neuropsychiatry services in neuroscience centres

## **Enablers**

Clear designation of regional centres with regular regional virtual MDTs to discuss suitability of individual patient for specialised intervention (e.g. DBS) prior to referral

DBS Deep brain stimulation, MDTs Multi-disciplinary teams,





## Symptom management and specialist MDT care

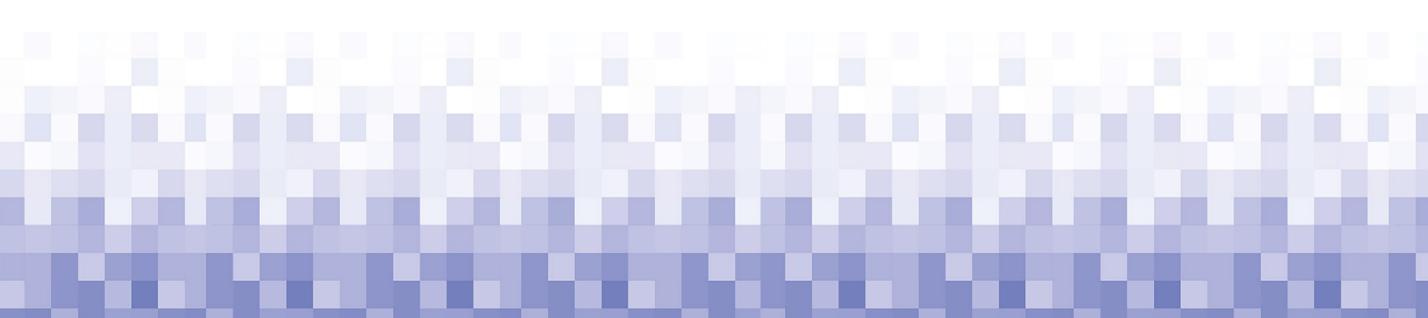
- People with MD should be offered MDT input where appropriate w clear care plan
- Patients should be assessed for ability to self-manage and self-re

### **Barriers**

- Insufficient PD/MD nurses to provide safe and high-quality service for patients in their caseload
- Lack of consistency in service specification (e.g. whether PD nurs should also be responsible for patients with atypical Parkinsonism those with parkinsonism after the onset of dementia, and whether ophthalmologists should also be responsible for patients with blepharospasm (eye dystonia)
- Lack of specialist AHPs, especially those with rehabilitation expertise

AHP allied health professionals, MD movement disorders, MDT multi-disciplinary team, PD Parkinson's disease,

Tailored Support to enable self-management
Digital technology, e.g. remote monitoring
Virtual clinics
Using local optometry services, e.g. to manage dry ey in blepharospasm (eye dystonia)





# **Pathway:** Treatment of advanced MD

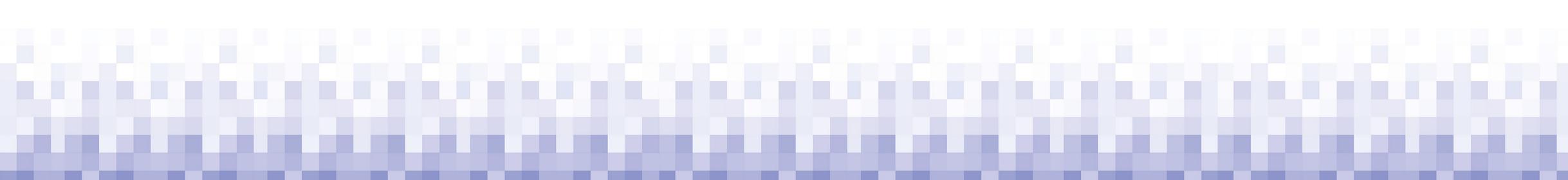
## Holistic care for people with MD and increased care needs

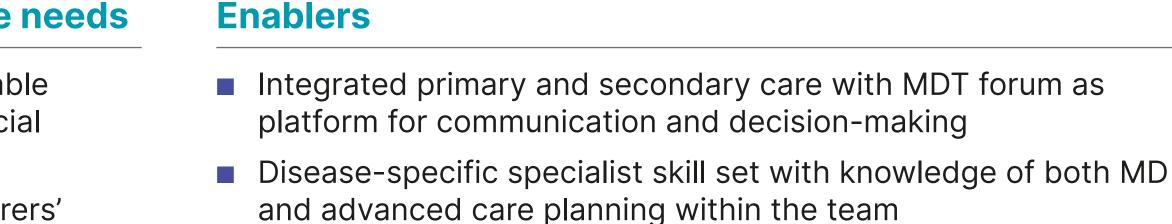
- Care of people with advanced, MD needs to include a suitable community-based MDT (e.g. physiotherapists, OT, SLT, social workers)
- Attention should be given to advance care planning and carers' support
- Input of palliative care teams should be sought where appropriate

### **Barriers**

- Lack of integrated working between primary and secondary care teams
- Lack of skills, lack of funding, insufficient time, and unsuitable environment for advanced care planning discussions during specialist MD out-patient appointments
- Discussion of advanced care plans is a sensitive matter and optimal timing can be difficult (between too early and too late)
- Lack of capacity for specialist palliative care team to take on MD

MD movement disorders, MDT multi-disciplinary team, OT occupational therapist, SLT Speech and language therapist,





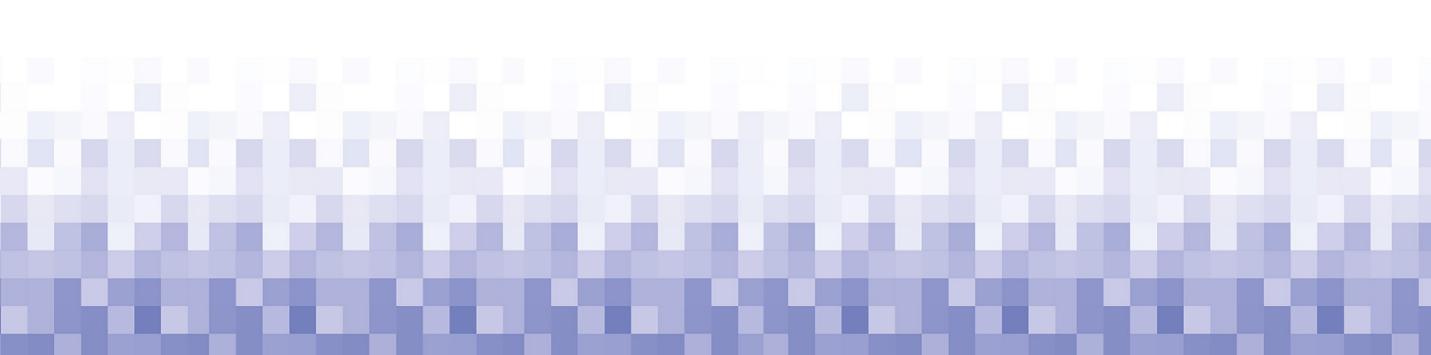
- Adequate infrastructure and funding
- On-going ability to access hospital-based or communitybased specialist services and remote advice (with appropriate remuneration) irrespective of ability to attend clinic (see guiding principles)
- System wide integration to include primary, secondary and tertiary care as well as the third sector, social care amongst others.
- Communication between MD team and specialist palliative care team



# Recommendations & key changes: Technology

- Services should take advantage of local technology and clinical management systems
- Improved data sharing between professionals, sharing access to systems and data
- Promotion of patient portals to access clinic letters, test results, care plans and facilitate PROMS
- National portal with reliable, routinely updated information on locally available services
- Appropriate infrastructure for data management, including digital (e.g. sensors, apps, web portals)
- Appropriately skilled work force for data management
- Appropriate training, time and remuneration of clinical work force to deliver digitally enabled care

**PROMS** Patient reported outcome measures





# **Recommendations & key changes:** MD quality standards and associated metrics

Quality Standard	Clinical metric	Patient self-reported metric
All patients diagnosed with a MD who require ongoing input must be referred to a MD specialist team within 4 weeks.	Percentage of new referrals to MD specialist teams that were referred within 4 weeks of diagnosis of MD.	Were you referred to a specialist MD team within 4 weeks of being diagnosed with a MD?
A care plan must be agreed within 3 months of receipt to a specialist MD team	Percentage of people who have agreed care plan within 3 months of receipt of referral to specialist MD team	Did you have the opportunity to discuss the management of your MD with a specialist MD team within 3 months of being referred?
All patients must be given information about their condition tailored to their individual needs and local/ regional services at first appointment with specialist MD team	Percentage of people with confirmed diagnosis of MD who have received appropriate written information about condition and locally/regionally available services at first appointment with specialist MD team.	Were you given appropriate information about your condition and available services at the first appointment with the specialist MD team?
All patients with confirmed diagnosis of MD should be referred to the appropriate specialist nurses (e.g. all patients with PD to be referred to PDNS) within 3 months	Percentage of people with a confirmed diagnosis of MD referred to the appropriate specialist nurses within 3 months of first appointment with specialist MD team	Were you contacted by an appropriate specialist nurse within 6 months of first appointment with specialist MD team?
All services should have a process to identify patients who are eligible for device-assisted therapies (e.g. DBS, enteral levodopa infusion, apomorphine pump)	Percentage of patients referred for device-assisted therapies	N/A
Care plans and follow up arrangements should depend on clinical need and patient preference	Percentage of people with MD with an agreed personalized care plan	Have you agreed a care plan with your specialist team? Were you offered a range of follow-up options for review (e.g. in-person clinic review, telephone/video review)?

DBS deep brain stimulation, MD movement disorders, PD Parkinson's disease, PDNS Parkinson's disease nurse specialist,





# Recommendations & key changes: MD quality standards and associated metrics (continued)

Quality Standard	Clinical metric	Patient self-reported metric
People with MD who require ongoing input from specialist MD services should have a defined point of contact	Percentage of people with MD who have a defined point of contact within the MD service	Do you know who to contact within the MD team if you have any questions or concerns?
Responses to unscheduled patient contact should prompt and prioritised according to clinical urgency	Median number of days taken to respond	Have you ever contacted your MD specialist team about an urgent issue? If so, how many days did they take to respond?
MD patients should be provided with appropriate information about their illness throughout their disease course (rather than just at the point of diagnosis)	Percentage of patients seen at follow up appointments in the last year who were offered written information about their condition	Have you been provided with information tailored to your needs throughout your disease or signposted to suitable resources?
Every MD service should maintain a current database of patients with people with MD	Percentage of new referrals and follow up patients seen in the MD service over last year who were added to database.	To your knowledge, are you signed up to a patient register through your specialist?
Every patient with a MD should be offered opportunities to take part in clinical research	Percentage of people with whom research participation has been discussed	Have opportunities to participate in research been discussed with you?

MD movement disorders,





## **Recommendations & key changes:** Research and clinical trials

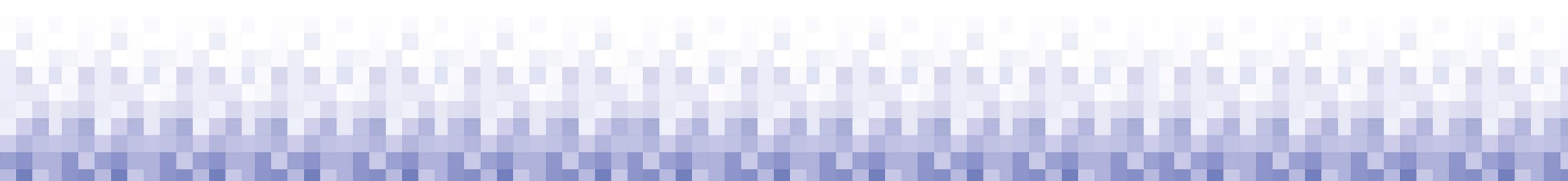
## **Barriers to research and clinical trials**

- Research not considered as part of core clinical care both at individual and organizational level
- Insufficient funded time to embed research into routine care activity for clinicians, specialist nurses and AHPs
- Clinician gate-keeping
- Inadequate tariff for providers to support research activity as part of routine clinical care
- Insufficient research delivery work force
- Excess treatment costs hinder intervention studies

### **Suggestions**

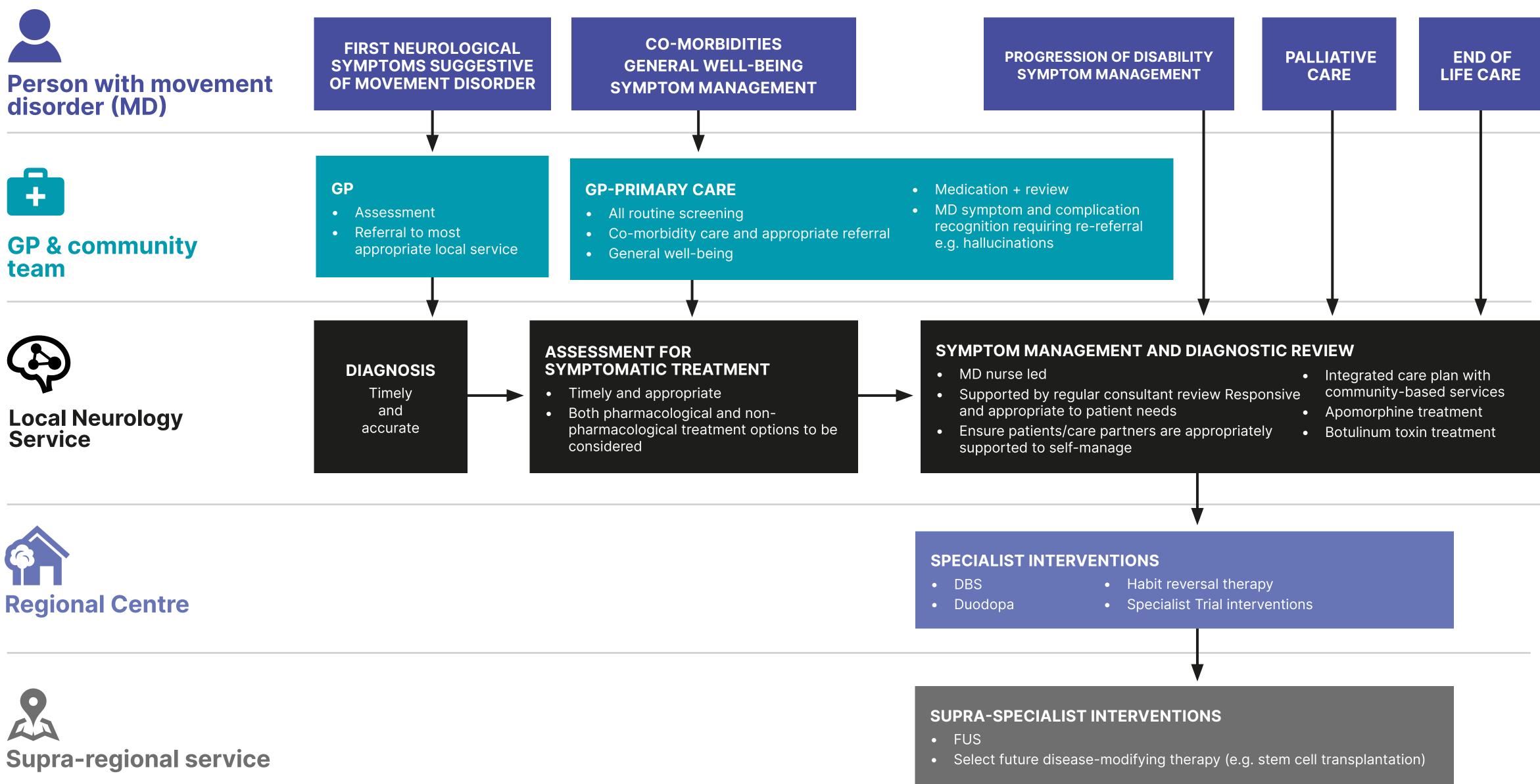
- Training in research competencies to become compulsory part of medical/clinical/nursing education
- Embed research into routine clinical care by including research time in job plans
- Implement NICE guidance
- Include research delivery metrics as a key criterium to assess an MD service for its quality of clinical care
- Tariffs for care to include provision for access to research opportunity
- Novel solutions to increase and empower future research work force (e.g. NAHPs)

MD movement disorders, AHPs allied health professionals: NAHPs nurses and allied health professionals





# **Movement Disorders Health Care Pathway**







DBS deep brain stimulation, FUS functional ultrasound, MD movement disorders,





**OPPORTUNITIES TO RESEARCH** ACCESS **DECISION MAKING**, SHARED



## We refer to the available NICE guidelines for detailed clinical guidance:

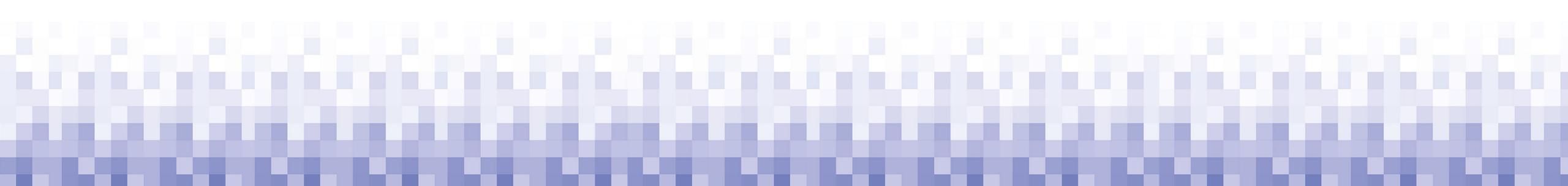
Suspected neurological conditions: recognition and referral (NG127)

**VISIT THE NICE WEBSITE** 

## **Useful Resources:**

NHS RightCare Progressive Neurological Condition Toolkit

**VISIT NHS WEBSITE** 

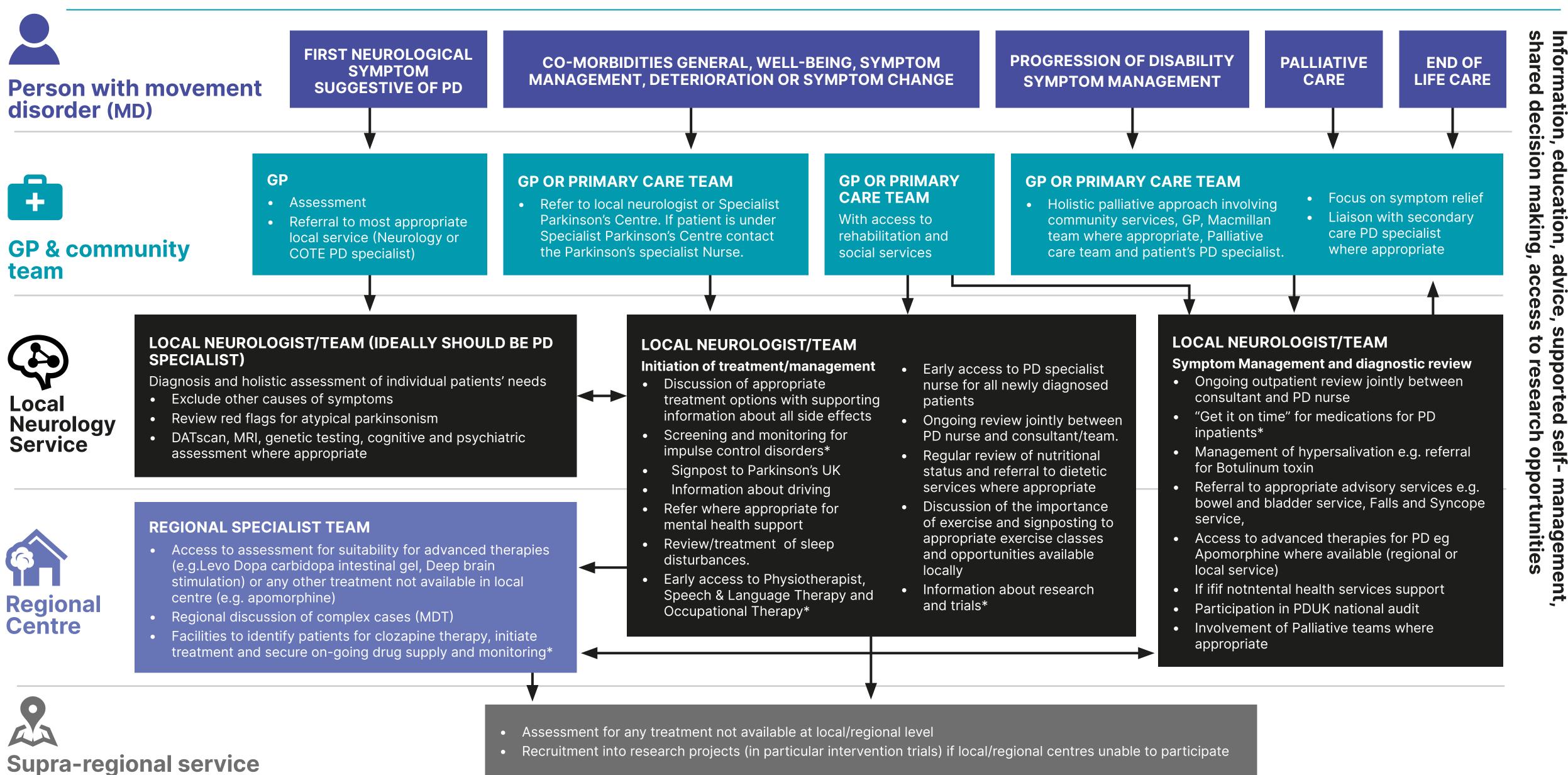




England	Search	
About NHS England	Our work Commissioning Get involved	
NHS RightCare	Home > NHS RightCare > Toolkits > Progressive Neurological Conditions Toolkit	
Toolkits		
Pneumonia toolkit	Progressive Neurological Conditions Toolkit	
Asthma toolkit		
Stroke toolkit	People with progressive neurological conditions are experiencing delays in diagnosis and treatment, fragmented and uncoordinated services, limited availability of neurospecialist rehab and reablement an	
Community rehabilitation	a lack of psycho-social support.	
toolkit	BightCare Progressive Neurological Conditions Toolkit	
Frailty	This RightCare toolkit will support systems to understand the priorities in care for people living with	
Falls and Fragility Fractures Pathway	various progressive neurological conditions.	
Cardiovascular disease	The toolkit covers the following neurological conditions; multiple sclerosis (MS), motor neurone disease (MND). Parkinson's and the atypical Parkinsonism's of multiple system atrophy (MSA), progressive	
prevention pathway	supranuclear palsy (PSP) and corticobasal degeneration (CBD).	
Diabetes pathway	It provides the opportunity to assess and benchmark current systems to find opportunities for	
Chronic Obstructive	improvement and has been developed in collaboration with key stakeholders, including:	
Pulmonary Disease (COPD) Pathway	Motor Neurone Disease Association	



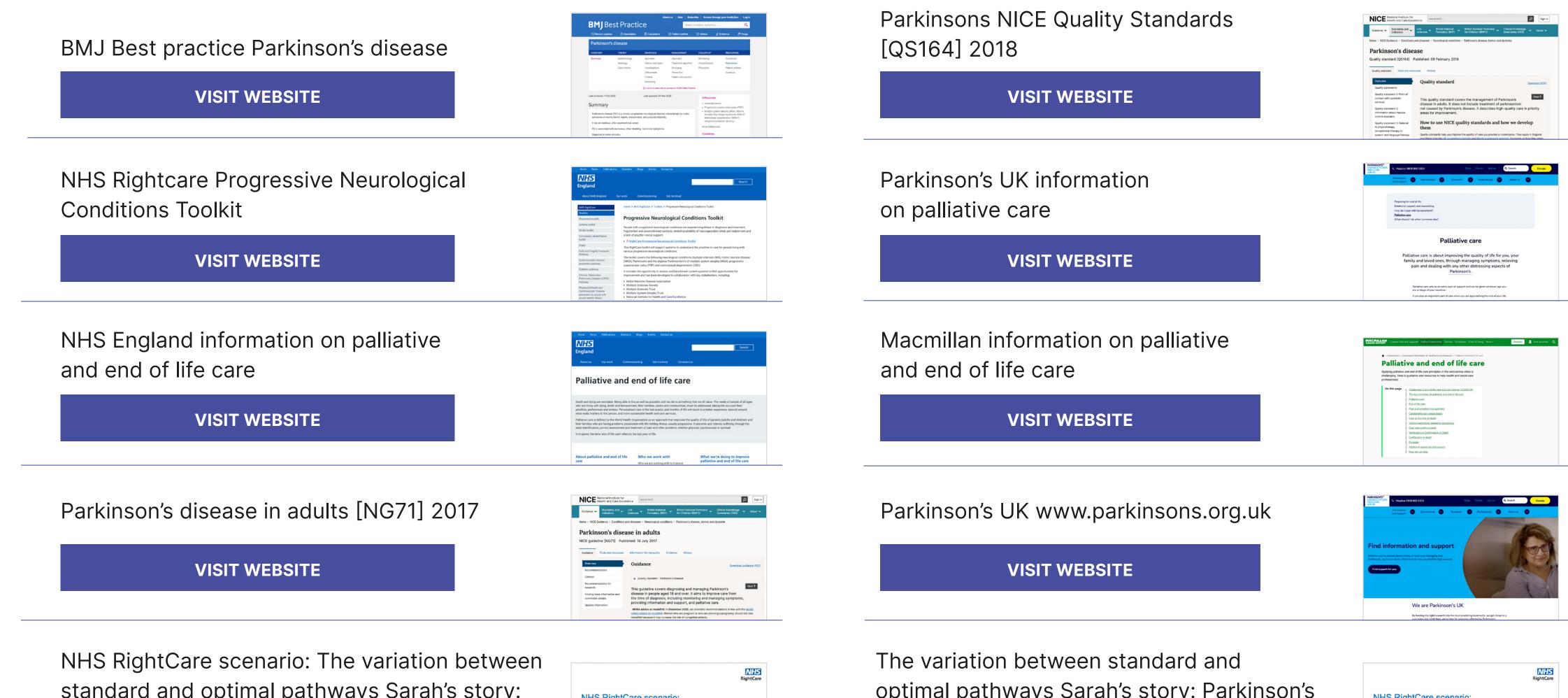
# **Appendices:** Parkinson's Disease Health Care Pathway\*



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# Guidance and support to be considered alongside the Parkinson's appendices



standard and optimal pathways Sarah's story: Parkinson's Appendix 1: Summary slide pack

**OPEN PDF ONLINE** 

NHS RightCare scenario: The variation between standard and optimal pathways



optimal pathways Sarah's story: Parkinson's Appendix 2: Short summary slide pack

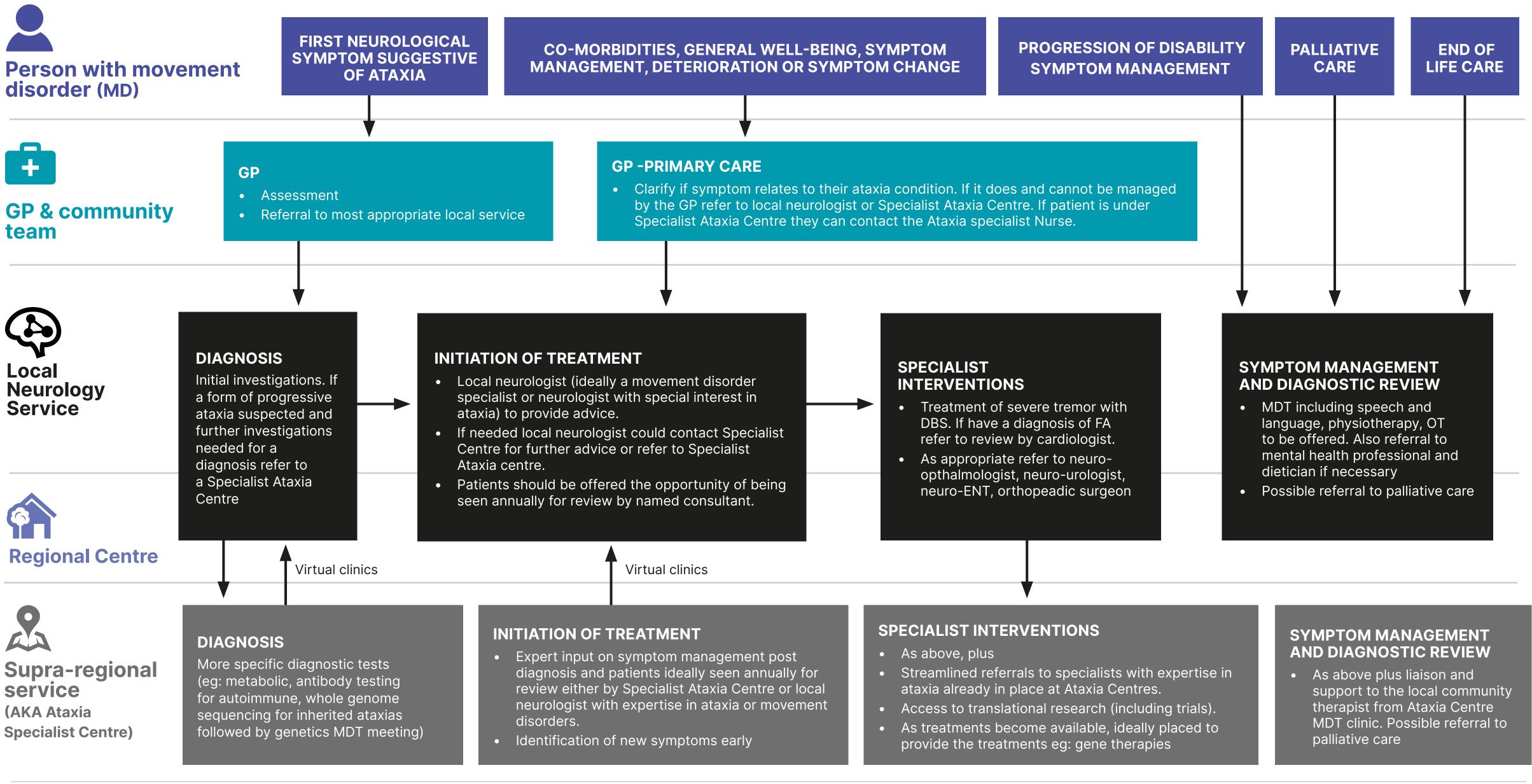
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# **Ataxia Health Care Pathway**

This Appendix is for people with progressive ataxia that can be caused by many different conditions (eg: Friedreich's ataxia, inherited cerebellar ataxia, auto-immune ataxia, idiopathic cerebellar ataxia). It does not cover people with ataxia as a result of stroke, MS, tumours etc.



DBS Deep brain stimulation, FA Friedreich Ataxia, MS multiple sclerosis ENT Ear, nose and throat, OT Occupational therapist,

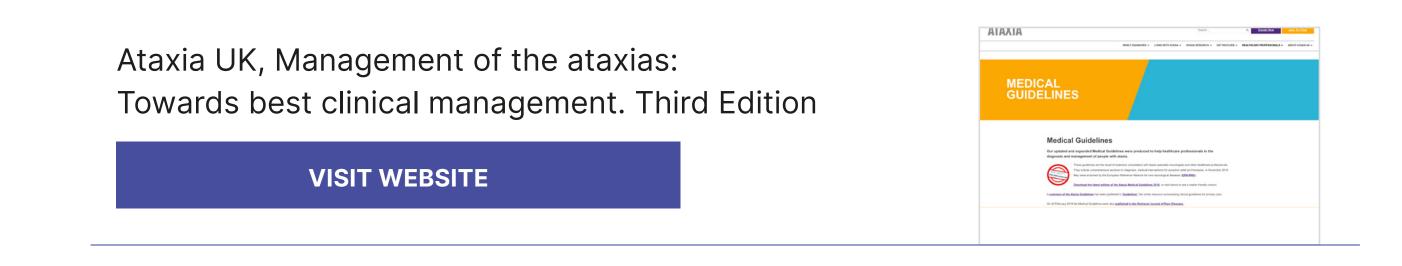
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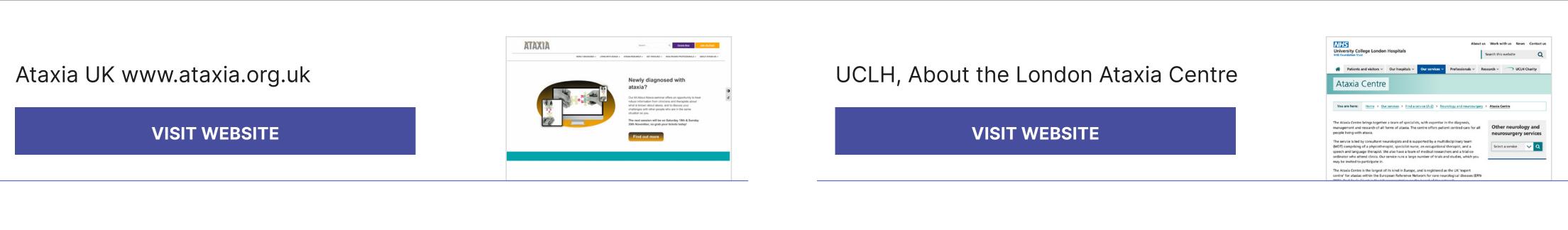


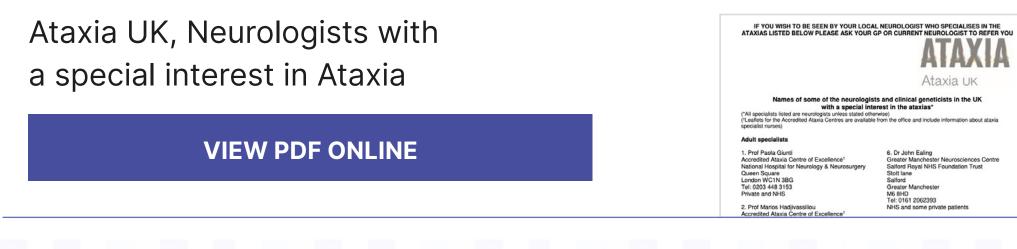


# **Guidance and support to be considered alongside the Ataxia appendices**



## Ataxia Specialist Centres and other ataxia experts



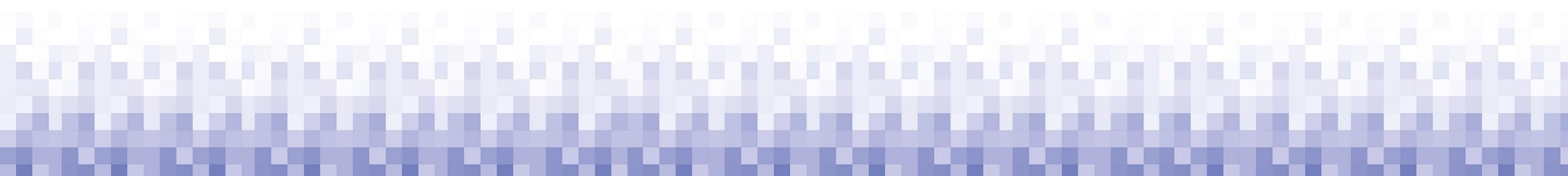


# Sheffield Teaching Hospitals, About the Sheffield Ataxia Centre

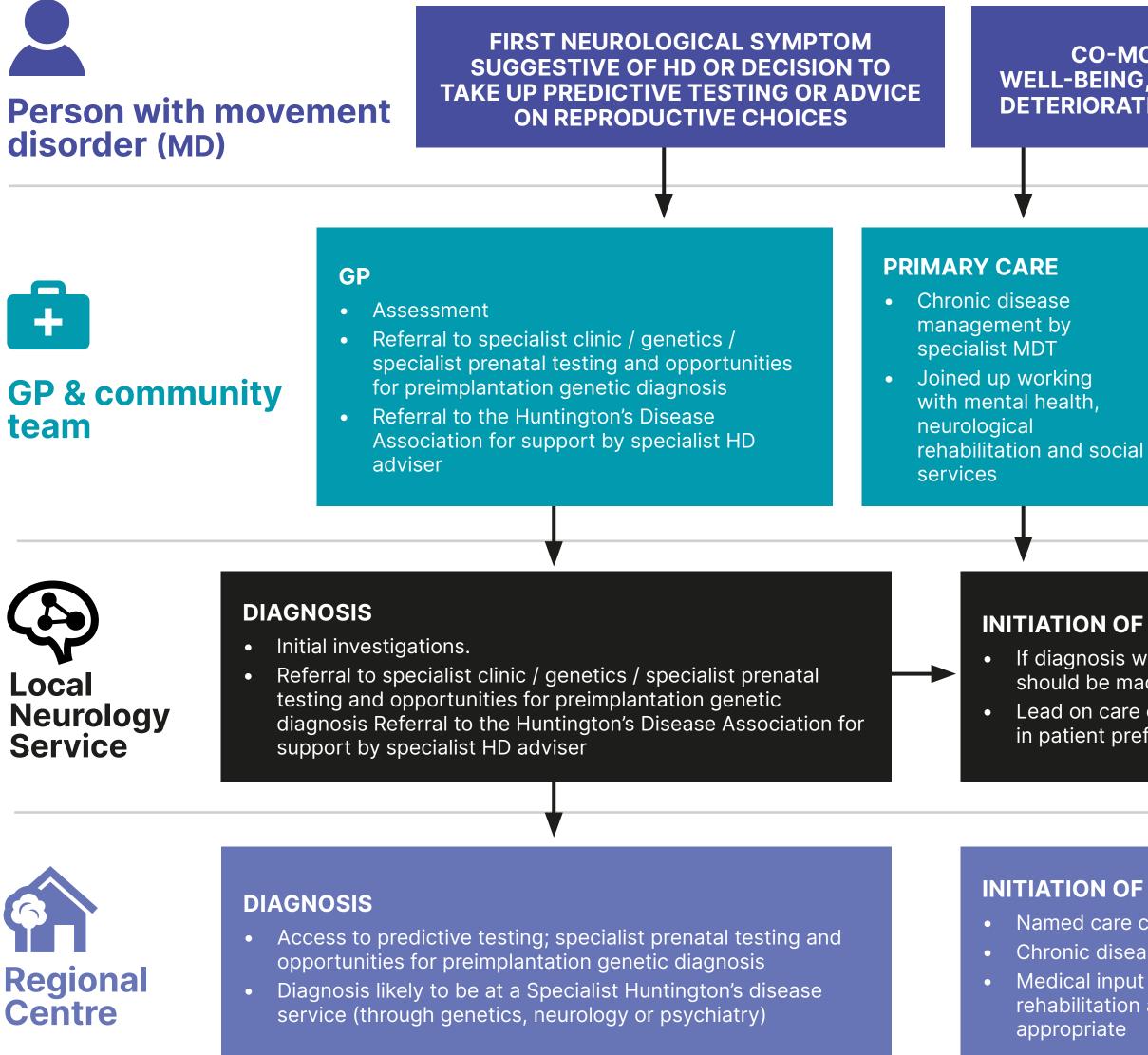
**VISIT WEBSITE** 







# <sup>1</sup> Huntington's Disease Health Care Pathway



**CO-MORBIDITIES, GENERAL** WELL-BEING, SYMPTOM MANAGEMENT, **DETERIORATION OR SYMPTOM CHANGE** 

### **PROGRESSION OF DISABILITY** SYMPTOM MANAGEMENT

PALLIATIVE CARE

**END OF LIFE CARE** 

### **COMMUNITY CARE AND MANAGEMENT**

- Medical input from neurology, psychiatry, psychology, rehabilitation and genetics, and palliative care where appropriate.
- Social care input required from Social Services.
- Specialist and community teams need to have an understanding of mental illness associated with HD
- Good understanding of the mental capacity

legislation its practical application particularly in relation to cognitive impairment in HD

- Good understanding of relevant parts of the mental health act
- Skilled in engaging those difficult to engage
- Access to occupational therapist, speech and language therapist, dietitian, physiotherapist who have knowledge of the disease

### **INITIATION OF TREATMENT**

- If diagnosis was made via local neurology, a referral should be made to a specialist clinic
- Lead on care only in the absence of a regional centre or in patient preference

### **INITIATION OF TREATMENT**

- Named care co-ordinator.
  - Chronic disease management by specialist MDT
- Medical input from neurology, psychiatry, psychology, rehabilitation and genetics, and palliative care where

### SYMPTOM MANAGEMENT AND DIAGNOSTIC REVIEW

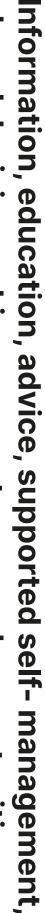
• Named care co-ordinator. Access to occupational therapist, speech and language therapist, dietitian, physiotherapist who have knowledge of the disease







shared decis ion making, access **to in** earch opportunities



# Guidance and support to be considered alongside the Huntington's disease appendices

The Neurological Alliance Consensus statement on mental, emotional and cognitive health provision

**VIEW PDF ONLINE** 

The British Psychological Society, Psychological interventions for people with Huntington's disease, Parkinson's disease, motor neurone disease, and multiple sclerosis

### VISIT WEBSITE

Simpson S A, Rae D A (2012) A standard of care for Huntington's disease: who, what and why, Neurodegenerative Disease Management, 2(1) Foreword

**VIEW PDF ONLINE** 





THE NEUROLOGICAL

Consensus statement on mental, emoti d cognitive health provision



Psychologica

sclerosis

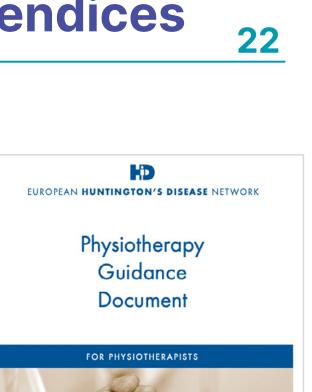
interventions for people with

Huntington's disease, Parkinson's disease. notor neurone disease, and multip

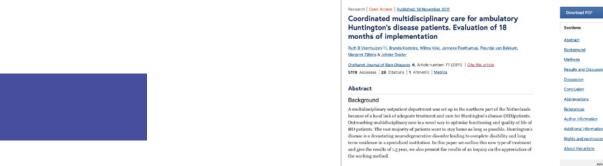


European Huntington's Disease Network (2009) **Physiotherapy Guidance Document** 

**VISIT WEBSITE** 



Veenhuizen, R.B., Kootstra, B., Vink, W. et al. Coordinated multidisciplinary care for ambulatory Huntington's disease patients. Evaluation of 18 months of implementation.





Huntington's Disease Association

**VISIT WEBSITE** 

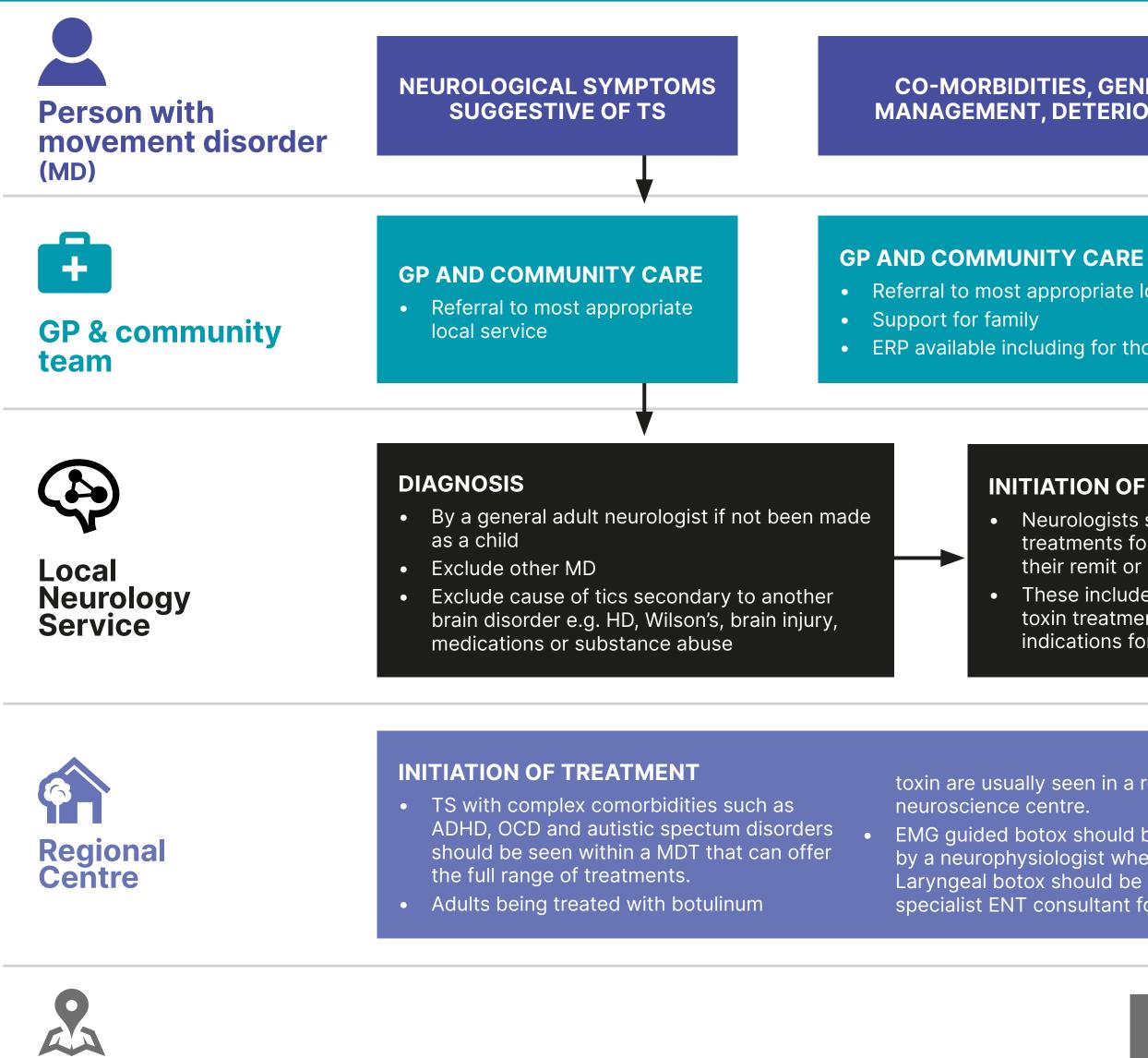
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# **Tourette Syndrome Health Care Pathway**



**Supra-regional service** 

ADHD Attention Deficit Disorder, DBS deep brain stimulation, EMG single lead electromyographic, ENT Ear Nose and Throat, Exposure Response Prevention, HD Huntington's disease, HRT Habit Reversal Therapy, MDT multi-disciplinary team OCD Obsessive Compulsive Disorder, SSRI Selective serotonin reuptake inhibitors, TS Tourette Syndrome,

### **CO-MORBIDITIES, GENERAL WELL-BEING, SYMPTOM** MANAGEMENT, DETERIORATION OR SYMPTOM CHANGE

- Referral to most appropriate local service
- ERP available including for those living with comorbid OCD
- Clonidine or psychostimulants for ADHD, clonidine or lowdose antipsychotic medication for tics and SSRIs for OCD
- Psychological therapy: CBIT, HRT and ERP.
- Medication prescribing and monitoring.

### **INITIATION OF TREATMENT**

- Neurologists should be aware of the evidence-based treatments for tics and how to refer onwards if this is not within their remit or not available in their hospital.
- These include antipsychotic medication, the role of botulinum • toxin treatment, habit reversal therapy and where it is offered; indications for DBS if available and where to refer.

### SYMPTOM MANAGEMENT AND DIAGNOSTIC REVIEW

• Medication prescribing and monitoring

#### toxin are usually seen in a regional neuroscience centre.

EMG guided botox should be available by a neurophysiologist when indicated. Laryngeal botox should be available by a specialist ENT consultant for vocal tics.

#### SYMPTOM MANAGEMENT AND DIAGNOSTIC REVIEW

- Botulinum toxin treatment. Psychological therapy: CBIT, HRT and ERP
- Management of combined TS, ADHD and/or OCD. Management in the context of autism.

#### **INITIATION OF TREATMENT**

• DBS require highly specialised MDT assessment and follow-up.





## Guidance and support to be considered alongside the Tourettes Syndrome appendices

**FND** Guide information on Functional Tics

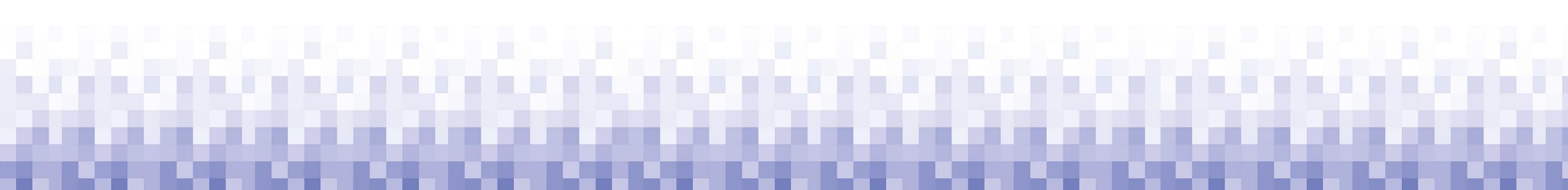
**VISIT WEBSITE** 

Tourettes Action www.tourettesaction.org.uk

**VISIT WEBSITE** 

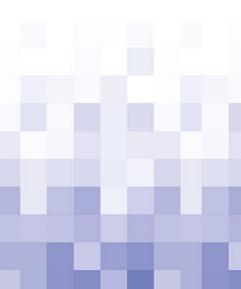
**Functional Tics** isobel Heyman a What are tics



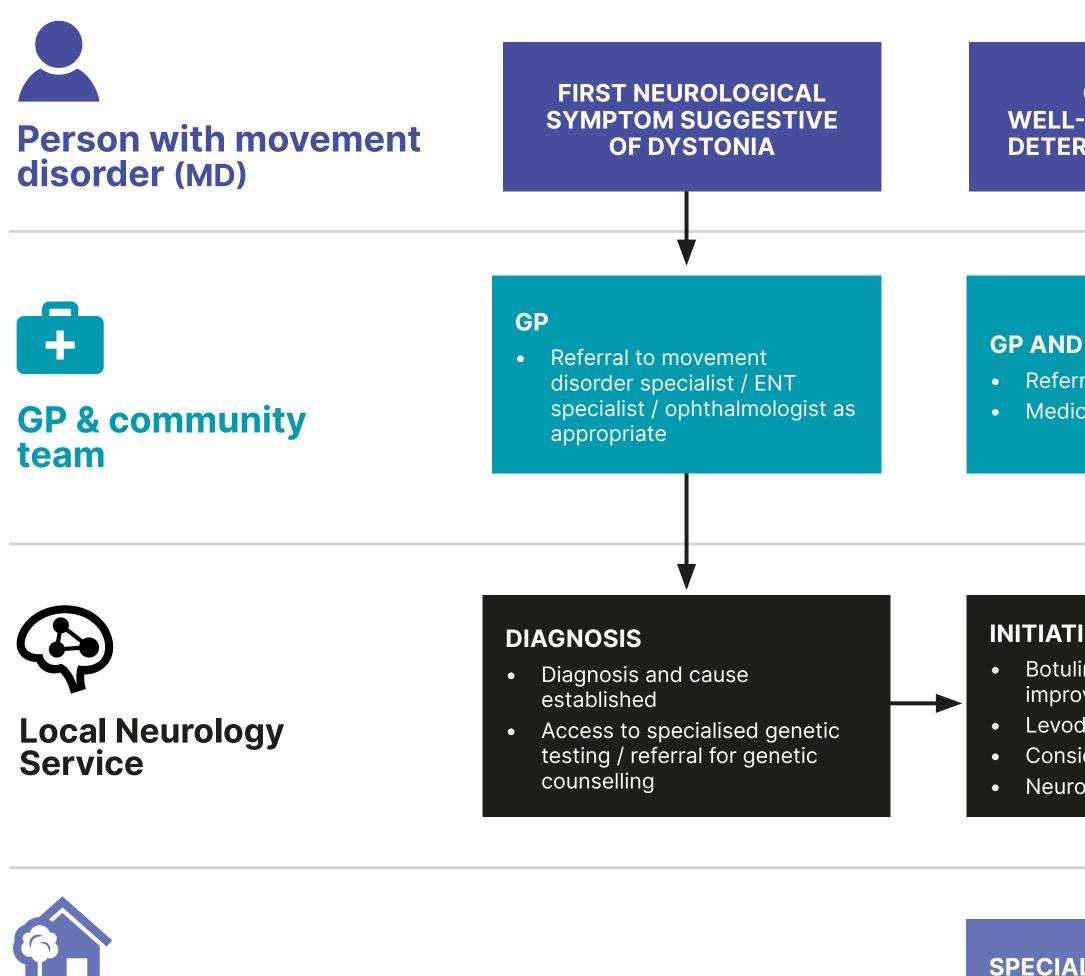








# **Dystonia Health Care Pathway**



Regional Centre

**CO-MORBIDITIES**, GENERAL WELL-BEING, SYMPTOM MANAGEMENT, DETERIORATION OR SYMPTOM CHANGE

#### **GP AND COMMUNITY CARE**

• Referral to most appropriate local service • Medication prescribing and monitoring

#### **INITIATION OF TREATMENT**

• Botulinum toxin treatment; targeting may be improved with EMG or ultrasound assistance

- Levodopa trial in early onset dystonia
- Consider oral medication
- Neurophysiotherapy

#### SYMPTOM MANAGEMENT **AND DIAGNOSTIC REVIEW**

#### **Referral to most appropriate services which** may include

- Occupational therapy
- Podiatry
- Psychological therapies
- Pain management
- Opthamology
- Speech and language therapy particularly where speech and/or swallowing is affected
- Dietician
- Social Services
- Employment / Occupational health / Benefits Advice

#### SPECIALIST INTERVENTION

• Consider treatment of severe dystonia with DBS or intrathecal baclofen



shared decision making, Information, education, advice, access to research opportunities upported S elf- management

# **Guidance and support to be considered alongside the dystonia appendices**

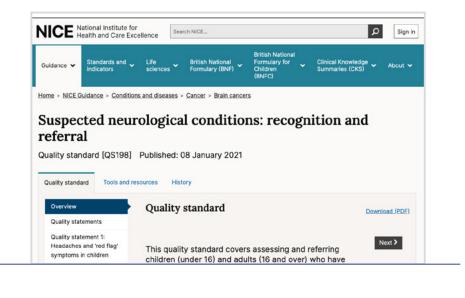
Dystonia UK: A Guide to Best Practice for health and social care professionals.

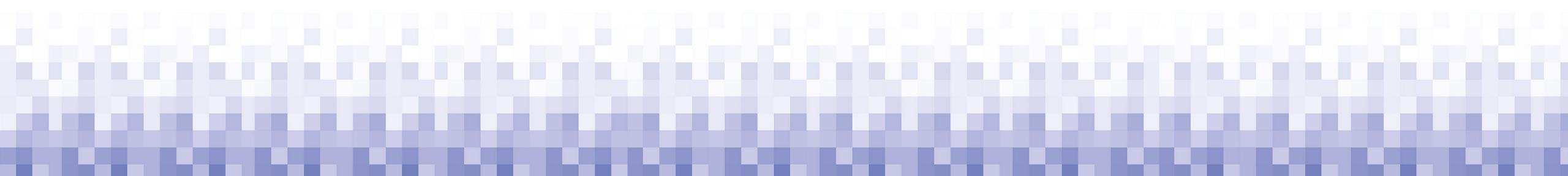
**VIEW PDF ONLINE** 



Suspected neurological conditions: recognition and referral [QS198] 2021 Quality statement 3: Suspected dystonia in adults

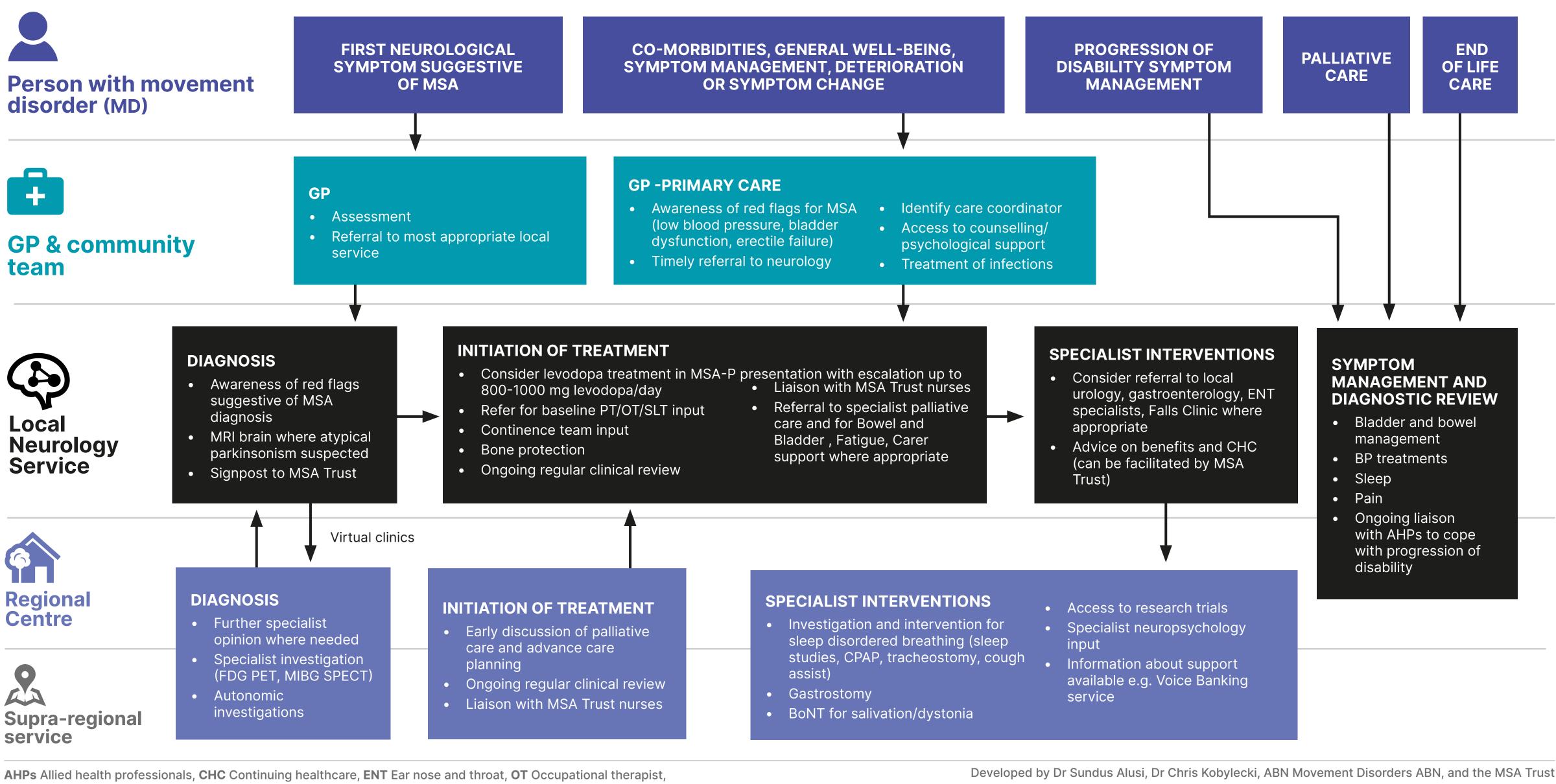
### VISIT WEBSITE







# Multiple System Atrophy (MSA) health care pathway



PT Physiotherapist, SLT Speech and language therapist, CPAP continuous positive airway pressure, MSA multiple system atrophy, BoNT Botulinum toxin,

The MSA Trust recommends that all people with MSA should be reviewed at least 6 monthly by their specialist or local centre and that many people with MSA may require more frequent review.







self-

management,

# Guidance and support to be considered alongside the MSA appendices

The Movement Disorder Society Criteria for the Diagnosis of Multiple System Atrophy 2022

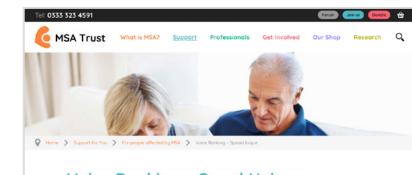
**VISIT WEBSITE** 

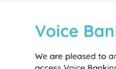
The MSA Trust : www.msatrust.org.uk

**VISIT WEBSITE** 

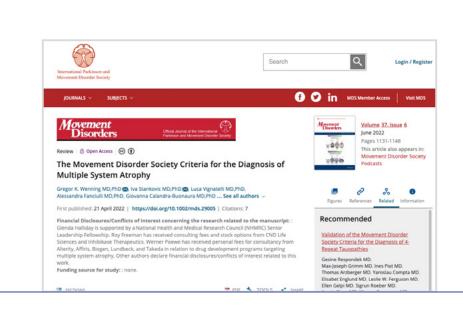
Voice Banking: https://www.msatrust.org. uk/support-for-you/for-people-affectedby-msa/speakunique/

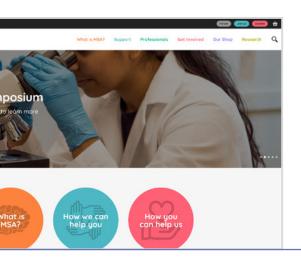
**VISIT WEBSITE** 





MSA Trust





Voice Banking - SpeakUnique

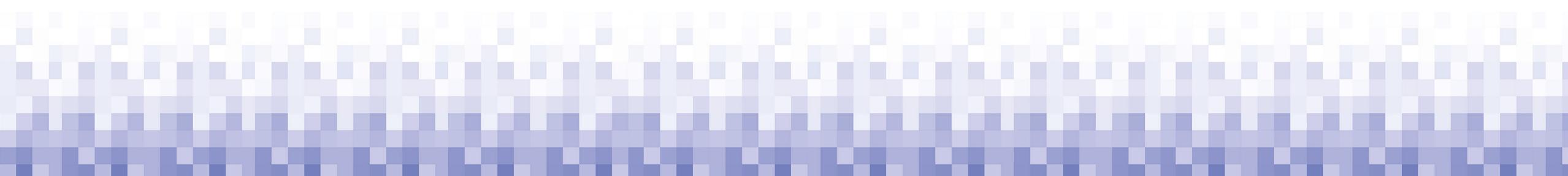
We are pleased to announce that we now offer funding for our members to access Voice Banking through a company called SpeakUnique. This includes options for 'Voice Build', 'Voice Repair' and 'Voice Design'.



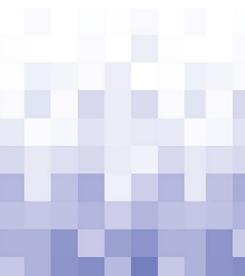


## **Movement Disorders pathway clinical working group membership**

Name	Profession	Organisation
Professor Oliver Bandmann (Pathway lead)	Professor of Movement Disorders & Honorary Consultant Neurologist	University of Sheffield/Sheffield Teaching Hospitals Foundation Trust
Professor Camille Carroll	Professor of Clinical Neuroscience and Honorary Consultant Neurologist	University Hospitals Plymouth NHS Trust
Professor Donald Grosset	Senior Research Fellow and Honorary Professor	University of Glasgow
Professor Anette Schrag	Professor of Clinical Neurosciences	University College London Hospitals NHS Foundation Trust







## Members of the Association of British Neurologists (ABN) Movement Disorders Advisory Group (AAG), current and previous:

Name	Profession	Organisation
Dr Sundus Alusi	Consultant Neurologist	The Walton Centre NHS Foundation Trust
Dr Andrea Cavanna	Consultant in Behavioural Neurology	Birmingham and Solihull Mental Health NHS Foundation Trust
Dr Ralph Gregory	Consultant Neurologist	University Hospitals Dorset NHS Foundation Trust
Dr Christopher Kobylecki	Consultant Neurologist	Northern Care Alliance NHS Foundation Trust
Dr Uma Nath	Consultant Neurologist	City Hospitals Sunderland NHS Foundation Trust
Dr Dominic Paviour	Consultant Neurologist	St George's Hospital NHS Foundation Trust
<b>Professor Michael Samuel</b>	Consultant Neurologist	King's College Hospital NHS Foundation Trust
Dr Sam Shribman	Consultant Neurologist	University College London Hospitals NHS Foundation Trust
Professor Kailash Bhatia	Professor of Clinical Neurology	University College London Hospitals NHS Foundation Trust
<b>Professor Mark Edwards</b>	Consultant Neurologist and Professor of Neurology	St George's Hospital NHS Foundation Trust
<b>Professor Tom Foltynie</b>	Consultant Neurologist and Professor of Neurology	University College London Hospitals NHS Foundation Trust
Professor Paola Piccini	Professor of Neurology and Honorary Consultant Neurologist	Imperial College London
Dr Tabish Saifee	Consultant Neurologist	University College London Hospitals NHS Foundation Trust

**Patient organisations** 





Dystonia





PARKINSON'S<sup>UK</sup> CHANGE ATTITUDES. FIND A CURE. JOIN US.







# National Neurosciences Advisory Group NNAG



National Neurosciences Advisory Group c/o The Neurological Alliance (England) www.nnag.org.uk

The Neurological Alliance is a coalition working together to improve treatment, care and support for people affected by neurological conditions. Together we campaign to ensure people affected by neurological conditions can access high quality, joined up care and support to meet their individual needs, at every stage of their life.

www.neural.org.uk

### Email: info@neural.org.uk

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